

## Disclaimer

The following report(s) provides findings from an FDA-initiated query using Sentinel. While Sentinel queries may be undertaken to assess potential medical product safety risks, they may also be initiated for various other reasons. Some examples include determining a rate or count of an identified health outcome of interest, examining medical product use, exploring the feasibility of future, more detailed analyses within Sentinel, and seeking to better understand Sentinel capabilities.

Data obtained through Sentinel are intended to complement other types of evidence such as preclinical studies, clinical trials, postmarket studies, and adverse event reports, all of which are used by FDA to inform regulatory decisions regarding medical product safety. The information contained in this report is provided as part of FDA's commitment to place knowledge acquired from Sentinel in the public domain as soon as possible. Any public health actions taken by FDA regarding products involved in Sentinel queries will continue to be communicated through existing channels.

FDA wants to emphasize that the fact that FDA has initiated a query involving a medical product and is reporting findings related to that query does not mean that FDA is suggesting health care practitioners should change their prescribing practices for the medical product or that patients taking the medical product should stop using it. Patients who have questions about the use of an identified medical product should contact their health care practitioners.

The following report contains a description of the request, request specifications, and results from the modular

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## Overview for Request: cder\_mpl1p\_wp066

**Request ID:** cder\_mpl1p\_wp066\_nsdv\_v01

**Request Description:** In this report, we estimated rates of valsartan utilization and patient follow-up time, by N-nitrosodimethylamine (NDMA) contamination categories. We additionally summarized the cumulative exposed duration and cumulative exposed dose for valsartan products by NDMA contamination categories in the Sentinel Distributed Database (SDD).

**Sentinel Routine Querying Module:** Cohort Identification and Descriptive Analysis (CIDA) module, version 11.3.0, with custom programming

**Data Source:** We distributed this query to six Sentinel Data Partners on June 23, 2023. This report only presents data from one Data Partner, Medicaid. The study period included data from May 1, 2012 through December 31, 2018. Please see Appendix A for the of dates of available data for this Data Partner.

**Study Design:** We identified individuals with prevalent and new use of NDMA-contaminated and non-contaminated valsartan, among a cohort who were 18+ years of age with no prior evidence of cancer. We present counts of patients and treatment episodes overall and further stratified by year-month and year-month by age group. We additionally described available follow-up time and reasons for censoring per cohort, and estimated cumulative treatment episode duration, cumulative filled treatment dose, and cumulative dose stratified by episode duration. This was a Type 2 and Type 5 analysis in the Query Request Package (QRP) documentation.

**Exposure of Interest:** We defined the exposure of interest, valsartan, from outpatient dispensing data using National Drug Codes (NDCs). We defined new valsartan use as no evidence of any valsartan product in the 365 days prior to the qualifying exposure (index); we had no washout requirement for our definition of prevalent valsartan use. Each qualifying dispensing of valsartan was identified per patient; cohort re-entry was allowed. Please see Appendix B for a list of generic and brand names of medical products used to define exposures in this request.

**NDMA Contamination Evaluation:** Valsartan exposure was classified as NDMA contaminated and non-contaminated.

Contaminated valsartan products were defined using a list of Abbreviated New Drug Application (ANDA) numbers that had NDMA contaminant detected, which then mapped to corresponding NDCs for valsartan. Products with no NDMA were classified as non-contaminated. The manufacturing process that introduced the NDMA contamination was resolved as of January 1, 2019. Therefore, from January 1, 2019 forward all NDCs that were previously classified as contaminated products were now treated as non-contaminated valsartan products for any new dispensings on or after that date.

**Cohort Eligibility Criteria:** We required members to be enrolled in health plans with medical and drug coverage in the 365 days prior to their index date in order to be included in the cohort; a gap in coverage of up to 45 days was allowed and treated as continuous enrollment. The following age groups were included in the cohort: 18-44, 45-64, 65-74, 75-84, and 85+ years.

**Exclusion Criteria:** We excluded any index exposure episodes with evidence of a cancer diagnosis or cancer related treatment (chemotherapy, radiation therapy, or cancer-specific surgery) in the 365 days prior to exposure. Please see Appendices C and D for a list of the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), International Classification of Diseases, Tenth Revision, Procedure Coding System (ICD-10-PCS), Current Procedural Terminology (CPT), and Health Care Procedure Coding System (HCPCS) codes used to define the exclusion criteria in this request.

**Follow-up Time:** We created exposure episodes based on the number of days of valsartan supplied per dispensing in the outpatient pharmacy dispensing data. We bridged together episodes less than 30 days apart and added 30 days to the end of each episode. Follow-up began on the day of the index dispensing and continued until the first occurrence of any censoring reason. Based on the NDMA contamination category, we created sensitivity analysis cohorts that evaluated the following combinations of censoring reasons:

## Overview for Request: cder\_mpl1p\_wp066

### **Follow-up Time, continued:**

#### Any valsartan:

1) a) disenrollment; b) death; c) the end of the data provided by each Data Partner; d) the end of the query period; e) end of exposure episode; f) switch to another anti-hypertensive agent.

#### Contaminated valsartan:

1) a) disenrollment; b) death; c) the end of the data provided by each Data Partner; d) the end of the query period; e) end of exposure episode; f) switch to another anti-hypertensive agent; g) switch to non-contaminated valsartan; h) switch to unclassified valsartan.

2) a) disenrollment; b) death; c) the end of the data provided by each Data Partner; d) the end of the query period

3) a) disenrollment; b) death; c) the end of the data provided by each Data Partner; d) the end of the query period; e) switch to non-contaminated valsartan; f) switch to unclassified valsartan.

#### Non-contaminated valsartan:

1) a) disenrollment; b) death; c) the end of the data provided by each Data Partner; d) the end of the query period; e) end of exposure episode; f) switch to another anti-hypertensive agent; g) switch to contaminated valsartan; h) switch to unclassified valsartan.

2) a) disenrollment; b) death; c) the end of the data provided by each Data Partner; d) the end of the query period

3) a) disenrollment; b) death; c) the end of the data provided by each Data Partner; d) the end of the query period; e) switch to contaminated valsartan; f) switch to unclassified valsartan.

Please see Appendix E for a list of generic and brand names of medical products used to define censoring criteria in this request.

**Cumulative Dose Evaluation:** Cumulative dose was calculated after dispensings were bridged into treatment episodes by multiplying the drug strength by the amount dispensed in each dispensing, and summing over all dispensings identified by the relevant NDC codes within that episode. Cumulative dose categories were determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months, to correspond to our episode duration categories of interest.

**Please see Appendices F-H for the specifications defining parameters in this request and a design diagram of cohort entry requirements.**

**Limitations:** Algorithms used to define exposures and exclusion criteria are imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with this limitation in mind.

**Notes:** Please contact the Sentinel Operations Center ([info@sentinelssystem.org](mailto:info@sentinelssystem.org)) for questions and to provide comments/suggestions for future enhancements to this document. For more information on Sentinel's routine querying modules, please refer to the documentation (<https://dev.sentinelssystem.org/projects/SENTINEL/repos/sentinel-routine-querying-tool-documentation/browse>).

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**Glossary of Terms for Analyses Using  
Cohort Identification and Descriptive Analysis (CIDA) Tool\***

**Amount Supplied** - number of units (pills, tablets, vials) dispensed. Net amount per National Drug Code (NDC) per dispensing.

**Blackout Period** - number of days at the beginning of a treatment episode that events are to be ignored. If an event occurs during the blackout period, the episode is excluded.

**Care Setting** - type of medical encounter or facility where the exposure, event, or condition code was recorded. Possible care settings include: Inpatient Hospital Stay (IP), Non-Acute Institutional Stay (IS), Emergency Department (ED), Ambulatory Visit (AV), and Other Ambulatory Visit (OA). For laboratory results, possible care settings include: Emergency Department (E), Home (H), Inpatient (I), Outpatient (O), or Unknown or Missing (U). The Care Setting, along with the Principal Diagnosis Indicator (PDX), forms the Care Setting/PDX parameter.

**Ambulatory Visit (AV)** - includes visits at outpatient clinics, same-day surgeries, urgent care visits, and other same-day ambulatory hospital encounters, but excludes emergency department encounters.

**Emergency Department (ED)** - includes ED encounters that become inpatient stays (in which case inpatient stays would be a separate encounter). Excludes urgent care visits.

**Inpatient Hospital Stay (IP)** - includes all inpatient stays, same-day hospital discharges, hospital transfers, and acute hospital care where the discharge is after the admission date.

**Non-Acute Institutional Stay (IS)** - includes hospice, skilled nursing facility (SNF), rehab center, nursing home, residential, overnight non-hospital dialysis and other non-hospital stays.

**Other Ambulatory Visit (OA)** - includes other non overnight AV encounters such as hospice visits, home health visits, skilled nursing facility visits, other non-hospital visits, as well as telemedicine, telephone and email consultations.

**Cohort Definition (drug/exposure)** - indicates how the cohort will be defined: 01: Cohort includes only the first valid treatment episode during the query period; 02: Cohort includes all valid treatment episodes during the query period; 03: Cohort includes all valid treatment episodes during the query period until an event occurs.

**Days Supplied** - number of days supplied for all dispensings in qualifying treatment episodes.

**Eligible Members** - number of members eligible for an incident treatment episode (defined by the drug/exposure and event washout periods) with drug and medical coverage during the query period.

**Enrollment Gap** - number of days allowed between two consecutive enrollment periods without breaking a "continuously enrolled" sequence.

**Episodes** - treatment episodes; length of episode is determined by days supplied in one dispensing or consecutive dispensings bridged by the episode gap.

**Episode Gap** - number of days allowed between two (or more) consecutive exposures (dispensings/procedures) to be considered the same treatment episode.

**Event Deduplication** - specifies how events are counted by the Modular Program (MP) algorithm: 0: Counts all occurrences of a health outcome of interest (HOI) during an exposure episode; 1: de-duplicates occurrences of the same HOI code and code type on the same day; 2: de-duplicates occurrences of the same HOI group on the same day (e.g., de-duplicates at the group level).

**Exposure Episode Length** - number of days after exposure initiation that is considered "exposed time."

**Exposure Extension Period** - number of days post treatment period in which the outcomes/events are counted for a treatment episode. Extensions are added after any episode gaps have been bridged.

**Lookback Period** - number of days wherein a member is required to have evidence of pre-existing condition (diagnosis/procedure/drug dispensing).

**Maximum Episode Duration** - truncates exposure episodes after a requester-specified number of exposed days. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Member-Years** - sum of all days of enrollment with medical and drug coverage in the query period preceded by an exposure washout period all divided by 365.25.

**Glossary of Terms for Analyses Using**  
**Cohort Identification and Descriptive Analysis (CIDA) Tool\***

**Minimum Days Supplied** - specifies a minimum number of days in length of the days supplied for the episode to be considered.

**Minimum Episode Duration** - specifies a minimum number of days in length of the episode for it to be considered. Applied after any gaps are bridged and extension days added to the length of the exposure episode.

**Monitoring Period** - used to define time periods of interest for both sequential analysis and simple cohort characterization requests.

**Principal Diagnosis (PDX)** - diagnosis or condition established to be chiefly responsible for admission of the patient to the hospital. 'P' = principal diagnosis, 'S' = secondary diagnosis, 'X' = unspecified diagnosis, '.' = blank. Along with the Care Setting values, forms the Caresetting/PDX parameter.

**Query Period** - period in which the modular program looks for exposures and outcomes of interest.

**Treatment Episode Truncation Indicator** - indicates whether the exposure episode will be truncated at the occurrence of a requester-specified code.

**Washout Period (drug/exposure)** - number of days a user is required to have no evidence of prior exposure (drug dispensing/procedure) and continuous drug and medical coverage prior to an incident treatment episode.

**Washout Period (event/outcome)** - number of days a user is required to have no evidence of a prior event (procedure/diagnosis) and continuous drug and medical coverage prior to an incident treatment episode.

**Years at Risk** - number of days supplied plus any episode gaps and exposure extension periods all divided by 365.25.

all terms may not be used in this report\*

**Table 1. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

	Number of Exposure		Number of Patients per 10,000		
	Number of Patients	Episodes	Number of Eligible Members <sup>1</sup>	Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<b>Prevalent Use - All Censoring Options</b>					
<i>Any valsartan product</i>	67,150	97,755	31,280,473	21.47	35,815,356.5
<i>Contaminated valsartan</i>	50,385	69,786	31,280,473	16.11	35,815,356.5
<i>Non-contaminated valsartan</i>	39,736	55,128	31,280,473	12.70	35,815,356.5
<b>New Use - All Censoring Options</b>					
<i>Any valsartan product</i>	41,917	42,106	31,206,336	13.43	35,683,561.1
<i>Contaminated valsartan</i>	21,976	22,027	31,206,336	7.04	35,683,561.1
<i>Non-contaminated valsartan</i>	17,715	17,782	31,206,336	5.68	35,683,561.1
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>					
<i>Contaminated valsartan</i>	50,385	50,458	31,280,473	16.11	35,815,356.5
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>					
<i>Contaminated valsartan</i>	21,976	21,976	31,206,336	7.04	35,683,561.1
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>					
<i>Contaminated valsartan</i>	50,385	54,619	31,280,473	16.11	35,815,356.5
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>					
<i>Contaminated valsartan</i>	21,976	21,977	31,206,336	7.04	35,683,561.1
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>					
<i>Non-contaminated valsartan</i>	39,736	43,077	31,280,473	12.70	35,815,356.5
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>					
<i>Non-contaminated valsartan</i>	17,715	17,718	31,206,336	5.68	35,683,561.1

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.



**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<b>Prevalent Use - All Censoring Options</b>					
<i>Any valsartan product</i>					
<b>2012</b>					
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2013</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2014</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
December	0	0	0	NaN	0.0
<b>2015</b>					
January	472	472	2,267,979	2.08	190,022.9
February	532	532	2,357,531	2.26	178,629.5
March	501	501	2,459,640	2.04	206,104.5
April	453	453	2,515,189	1.80	204,029.2
May	474	474	2,538,937	1.87	212,755.4
June	529	529	2,553,467	2.07	207,161.3
July	481	481	2,577,661	1.87	216,019.1
August	459	459	2,601,232	1.76	218,027.0
September	453	453	2,616,280	1.73	212,216.1
October	466	466	2,632,038	1.77	219,943.1
November	461	461	2,636,255	1.75	213,603.6
December	502	502	2,667,478	1.88	223,279.2
<b>2016</b>					
January	931	931	4,052,031	2.30	337,980.7
February	864	864	4,243,855	2.04	321,376.9
March	885	885	4,292,409	2.06	346,523.8
April	801	801	4,290,992	1.87	337,527.1
May	860	860	4,308,497	2.00	350,162.7
June	815	815	4,344,375	1.88	341,043.0
July	828	828	4,381,229	1.89	355,661.5
August	882	882	4,414,713	2.00	358,629.2
September	895	895	4,438,312	2.02	349,512.8
October	921	921	4,480,447	2.06	364,170.5
November	939	939	4,533,498	2.07	355,389.0
December	940	940	14,899,816	0.63	399,682.7
<b>2017</b>					
January	3,673	3,673	14,316,619	2.57	1,168,283.9
February	3,319	3,319	14,010,775	2.37	1,062,107.7
March	3,723	3,723	14,037,850	2.65	1,176,594.8
April	3,421	3,421	14,033,061	2.44	1,138,666.4
May	3,698	3,698	14,034,998	2.63	1,176,499.8
June	3,557	3,557	14,031,265	2.54	1,138,513.1
July	3,225	3,225	14,175,472	2.28	1,188,560.5
August	3,496	3,496	14,242,181	2.45	1,193,278.6

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
September	3,318	3,318	14,221,938	2.33	1,153,725.5
October	3,806	3,806	14,241,966	2.67	1,193,598.7
November	3,570	3,570	14,260,125	2.50	1,157,161.2
December	3,372	3,372	14,354,800	2.35	1,203,029.0
<b>2018</b>					
January	4,170	4,170	15,439,334	2.70	1,294,421.4
February	3,908	3,908	15,387,403	2.54	1,166,653.5
March	4,253	4,253	15,462,496	2.75	1,296,198.4
April	4,229	4,229	15,396,462	2.75	1,249,839.8
May	4,323	4,323	15,394,310	2.81	1,290,771.8
June	4,061	4,061	15,356,557	2.64	1,246,472.4
July	3,009	3,009	15,321,918	1.96	1,285,259.7
August	1,900	1,900	15,319,793	1.24	1,284,284.5
September	2,018	2,018	15,261,912	1.32	1,238,699.9
October	2,537	2,537	15,243,863	1.66	1,278,034.5
November	2,606	2,606	15,238,680	1.71	1,237,341.5
December	2,219	2,219	15,232,922	1.46	1,277,908.9
<b>Contaminated valsartan</b>					
<b>2012</b>					
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2013</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2014</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	170	170	2,267,979	0.75	190,022.9
February	254	254	2,357,531	1.08	178,629.5
March	233	233	2,459,640	0.95	206,104.5
April	194	194	2,515,189	0.77	204,029.2
May	304	304	2,538,937	1.20	212,755.4
June	293	293	2,553,467	1.15	207,161.3
July	308	308	2,577,661	1.19	216,019.1
August	237	237	2,601,232	0.91	218,027.0
September	213	213	2,616,280	0.81	212,216.1
October	244	244	2,632,038	0.93	219,943.1
November	240	240	2,636,255	0.91	213,603.6
December	321	321	2,667,478	1.20	223,279.2
<b>2016</b>					
January	542	542	4,052,031	1.34	337,980.7
February	539	539	4,243,855	1.27	321,376.9
March	537	537	4,292,409	1.25	346,523.8
April	608	608	4,290,992	1.42	337,527.1
May	759	759	4,308,497	1.76	350,162.7

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
June	615	615	4,344,375	1.42	341,043.0
July	599	599	4,381,229	1.37	355,661.5
August	674	674	4,414,713	1.53	358,629.2
September	668	668	4,438,312	1.51	349,512.8
October	644	644	4,480,447	1.44	364,170.5
November	602	602	4,533,498	1.33	355,389.0
December	605	605	14,899,816	0.41	399,682.7
<b>2017</b>					
January	2,862	2,862	14,316,619	2.00	1,168,283.9
February	2,583	2,583	14,010,775	1.84	1,062,107.7
March	2,724	2,724	14,037,850	1.94	1,176,594.8
April	2,460	2,460	14,033,061	1.75	1,138,666.4
May	2,703	2,703	14,034,998	1.93	1,176,499.8
June	2,796	2,796	14,031,265	1.99	1,138,513.1
July	3,084	3,084	14,175,472	2.18	1,188,560.5
August	3,136	3,136	14,242,181	2.20	1,193,278.6
September	2,746	2,746	14,221,938	1.93	1,153,725.5
October	2,906	2,906	14,241,966	2.04	1,193,598.7
November	2,800	2,800	14,260,125	1.96	1,157,161.2
December	2,556	2,556	14,354,800	1.78	1,203,029.0
<b>2018</b>					
January	3,055	3,055	15,439,334	1.98	1,294,421.4
February	2,914	2,914	15,387,403	1.89	1,166,653.5
March	3,121	3,121	15,462,496	2.02	1,296,198.4
April	3,045	3,045	15,396,462	1.98	1,249,839.8
May	3,256	3,256	15,394,310	2.12	1,290,771.8
June	3,241	3,241	15,356,557	2.11	1,246,472.4
July	1,984	1,984	15,321,918	1.29	1,285,259.7
August	801	801	15,319,793	0.52	1,284,284.5
September	991	991	15,261,912	0.65	1,238,699.9
October	1,281	1,281	15,243,863	0.84	1,278,034.5
November	1,315	1,315	15,238,680	0.86	1,237,341.5
December	1,023	1,023	15,232,922	0.67	1,277,908.9
<i>Non-contaminated valsartan</i>					
<b>2012</b>					
May	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2013</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2014</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	388	388	2,267,979	1.71	190,022.9
February	381	381	2,357,531	1.62	178,629.5

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
March	370	370	2,459,640	1.50	206,104.5
April	398	398	2,515,189	1.58	204,029.2
May	391	391	2,538,937	1.54	212,755.4
June	455	455	2,553,467	1.78	207,161.3
July	378	378	2,577,661	1.47	216,019.1
August	368	368	2,601,232	1.41	218,027.0
September	353	353	2,616,280	1.35	212,216.1
October	382	382	2,632,038	1.45	219,943.1
November	413	413	2,636,255	1.57	213,603.6
December	437	437	2,667,478	1.64	223,279.2
<b>2016</b>					
January	723	723	4,052,031	1.78	337,980.7
February	655	655	4,243,855	1.54	321,376.9
March	668	668	4,292,409	1.56	346,523.8
April	571	571	4,290,992	1.33	337,527.1
May	580	580	4,308,497	1.35	350,162.7
June	596	596	4,344,375	1.37	341,043.0
July	563	563	4,381,229	1.29	355,661.5
August	553	553	4,414,713	1.25	358,629.2
September	516	516	4,438,312	1.16	349,512.8
October	519	519	4,480,447	1.16	364,170.5
November	557	557	4,533,498	1.23	355,389.0
December	562	562	14,899,816	0.38	399,682.7
<b>2017</b>					
January	1,788	1,788	14,316,619	1.25	1,168,283.9
February	1,575	1,575	14,010,775	1.12	1,062,107.7
March	1,745	1,745	14,037,850	1.24	1,176,594.8
April	1,608	1,608	14,033,061	1.15	1,138,666.4
May	1,849	1,849	14,034,998	1.32	1,176,499.8
June	1,749	1,749	14,031,265	1.25	1,138,513.1
July	1,519	1,519	14,175,472	1.07	1,188,560.5
August	1,604	1,604	14,242,181	1.13	1,193,278.6
September	1,642	1,642	14,221,938	1.15	1,153,725.5
October	1,973	1,973	14,241,966	1.39	1,193,598.7
November	1,757	1,757	14,260,125	1.23	1,157,161.2
December	1,650	1,650	14,354,800	1.15	1,203,029.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<b>2018</b>					
January	1,946	1,946	15,439,334	1.26	1,294,421.4
February	1,794	1,794	15,387,403	1.17	1,166,653.5
March	1,923	1,923	15,462,496	1.24	1,296,198.4
April	1,952	1,952	15,396,462	1.27	1,249,839.8
May	1,984	1,984	15,394,310	1.29	1,290,771.8
June	1,715	1,715	15,356,557	1.12	1,246,472.4
July	2,221	2,221	15,321,918	1.45	1,285,259.7
August	2,144	2,144	15,319,793	1.40	1,284,284.5
September	1,722	1,722	15,261,912	1.13	1,238,699.9
October	1,825	1,825	15,243,863	1.20	1,278,034.5
November	1,745	1,745	15,238,680	1.15	1,237,341.5
December	1,921	1,921	15,232,922	1.26	1,277,908.9
<b>New Use - All Censoring Options</b>					
<i>Any valsartan product</i>					
<b>2012</b>					
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2013</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0



**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
December 2014	0	0	0	NaN	0.0
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
2015					
January	174	174	2,261,199	0.77	189,449.7
February	197	197	2,350,582	0.84	178,092.9
March	188	188	2,452,640	0.77	205,506.9
April	164	164	2,508,069	0.65	203,443.6
May	176	176	2,531,798	0.70	212,146.8
June	192	192	2,546,282	0.75	206,567.9
July	177	177	2,570,516	0.69	215,407.4
August	168	168	2,594,117	0.65	217,418.9
September	196	196	2,609,238	0.75	211,629.9
October	184	184	2,624,995	0.70	219,340.8
November	178	178	2,629,242	0.68	213,023.3
December	205	205	2,660,451	0.77	222,678.3
2016					
January	379	379	4,040,404	0.94	336,993.8
February	353	353	4,231,857	0.83	320,438.6
March	368	368	4,280,327	0.86	345,513.2
April	348	348	4,278,871	0.81	336,541.9
May	341	341	4,296,361	0.79	349,143.0
June	314	314	4,332,160	0.72	340,053.9
July	336	336	4,368,894	0.77	354,632.1
August	392	392	4,402,270	0.89	357,587.3

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
September	361	361	4,425,679	0.82	348,494.4
October	343	343	4,467,634	0.77	363,104.1
November	388	388	4,520,536	0.86	354,341.3
December	390	390	14,850,562	0.26	398,483.3
<b>2017</b>					
January	1,661	1,661	14,268,069	1.16	1,164,232.3
February	1,476	1,476	13,962,118	1.06	1,058,358.0
March	1,693	1,693	13,988,337	1.21	1,172,368.2
April	1,628	1,628	13,982,860	1.16	1,134,515.6
May	1,699	1,699	13,984,115	1.21	1,172,148.5
June	1,578	1,578	13,979,498	1.13	1,134,245.0
July	1,394	1,394	14,122,745	0.99	1,184,063.5
August	1,542	1,542	14,188,668	1.09	1,188,715.8
September	1,422	1,422	14,167,736	1.00	1,149,260.2
October	1,670	1,670	14,187,144	1.18	1,188,923.8
November	1,580	1,580	14,204,324	1.11	1,152,563.9
December	1,494	1,494	14,298,193	1.04	1,198,203.9
<b>2018</b>					
January	1,848	1,848	15,382,554	1.20	1,289,583.1
February	1,787	1,787	15,329,718	1.17	1,162,208.6
March	2,028	2,028	15,403,785	1.32	1,291,184.3
April	2,033	2,033	15,337,009	1.33	1,244,922.8
May	2,054	2,054	15,334,054	1.34	1,285,622.8
June	1,817	1,817	15,295,382	1.19	1,241,430.9
July	1,174	1,174	15,260,195	0.77	1,280,017.1
August	651	651	15,258,220	0.43	1,279,081.6
September	586	586	15,201,014	0.39	1,233,725.6
October	852	852	15,183,466	0.56	1,272,927.3
November	1,037	1,037	15,178,573	0.68	1,232,404.2
December	890	890	15,172,984	0.59	1,272,820.6
<b>Contaminated valsartan</b>					
<b>2012</b>					
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2013</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2014</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	30	30	2,261,199	0.13	189,449.7
February	52	52	2,350,582	0.22	178,092.9
March	48	48	2,452,640	0.20	205,506.9
April	39	39	2,508,069	0.16	203,443.6
May	50	50	2,531,798	0.20	212,146.8

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
June	53	53	2,546,282	0.21	206,567.9
July	61	61	2,570,516	0.24	215,407.4
August	46	46	2,594,117	0.18	217,418.9
September	44	44	2,609,238	0.17	211,629.9
October	58	58	2,624,995	0.22	219,340.8
November	50	50	2,629,242	0.19	213,023.3
December	77	77	2,660,451	0.29	222,678.3
<b>2016</b>					
January	118	118	4,040,404	0.29	336,993.8
February	115	115	4,231,857	0.27	320,438.6
March	133	133	4,280,327	0.31	345,513.2
April	120	120	4,278,871	0.28	336,541.9
May	137	137	4,296,361	0.32	349,143.0
June	129	129	4,332,160	0.30	340,053.9
July	138	138	4,368,894	0.32	354,632.1
August	171	171	4,402,270	0.39	357,587.3
September	175	175	4,425,679	0.40	348,494.4
October	160	160	4,467,634	0.36	363,104.1
November	185	185	4,520,536	0.41	354,341.3
December	183	183	14,850,562	0.12	398,483.3
<b>2017</b>					
January	955	955	14,268,069	0.67	1,164,232.3
February	862	862	13,962,118	0.62	1,058,358.0
March	950	950	13,988,337	0.68	1,172,368.2
April	917	917	13,982,860	0.66	1,134,515.6
May	947	947	13,984,115	0.68	1,172,148.5
June	860	860	13,979,498	0.62	1,134,245.0
July	842	842	14,122,745	0.60	1,184,063.5
August	919	919	14,188,668	0.65	1,188,715.8
September	871	871	14,167,736	0.61	1,149,260.2
October	1,010	1,010	14,187,144	0.71	1,188,923.8
November	966	966	14,204,324	0.68	1,152,563.9
December	905	905	14,298,193	0.63	1,198,203.9
<b>2018</b>					
January	1,096	1,096	15,382,554	0.71	1,289,583.1
February	1,090	1,090	15,329,718	0.71	1,162,208.6

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
March	1,240	1,240	15,403,785	0.80	1,291,184.3
April	1,206	1,206	15,337,009	0.79	1,244,922.8
May	1,213	1,213	15,334,054	0.79	1,285,622.8
June	1,114	1,114	15,295,382	0.73	1,241,430.9
July	561	561	15,260,195	0.37	1,280,017.1
August	131	131	15,258,220	0.09	1,279,081.6
September	130	130	15,201,014	0.09	1,233,725.6
October	243	243	15,183,466	0.16	1,272,927.3
November	364	364	15,178,573	0.24	1,232,404.2
December	263	263	15,172,984	0.17	1,272,820.6
<i>Non-contaminated valsartan</i>					
<i>2012</i>					
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<i>2013</i>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<i>2014</i>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	116	116	2,261,199	0.51	189,449.7
February	116	116	2,350,582	0.49	178,092.9
March	107	107	2,452,640	0.44	205,506.9
April	107	107	2,508,069	0.43	203,443.6
May	107	107	2,531,798	0.42	212,146.8
June	118	118	2,546,282	0.46	206,567.9
July	101	101	2,570,516	0.39	215,407.4
August	99	99	2,594,117	0.38	217,418.9
September	133	133	2,609,238	0.51	211,629.9
October	119	119	2,624,995	0.45	219,340.8
November	116	116	2,629,242	0.44	213,023.3
December	119	119	2,660,451	0.45	222,678.3
<b>2016</b>					
January	246	246	4,040,404	0.61	336,993.8
February	227	227	4,231,857	0.54	320,438.6
March	223	223	4,280,327	0.52	345,513.2
April	216	216	4,278,871	0.50	336,541.9
May	186	186	4,296,361	0.43	349,143.0
June	175	175	4,332,160	0.40	340,053.9
July	184	184	4,368,894	0.42	354,632.1
August	206	206	4,402,270	0.47	357,587.3
September	173	173	4,425,679	0.39	348,494.4
October	172	172	4,467,634	0.38	363,104.1
November	195	195	4,520,536	0.43	354,341.3
December	189	189	14,850,562	0.13	398,483.3

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<b>2017</b>					
January	620	620	14,268,069	0.43	1,164,232.3
February	558	558	13,962,118	0.40	1,058,358.0
March	663	663	13,988,337	0.47	1,172,368.2
April	632	632	13,982,860	0.45	1,134,515.6
May	681	681	13,984,115	0.49	1,172,148.5
June	624	624	13,979,498	0.45	1,134,245.0
July	482	482	14,122,745	0.34	1,184,063.5
August	543	543	14,188,668	0.38	1,188,715.8
September	493	493	14,167,736	0.35	1,149,260.2
October	580	580	14,187,144	0.41	1,188,923.8
November	521	521	14,204,324	0.37	1,152,563.9
December	515	515	14,298,193	0.36	1,198,203.9
<b>2018</b>					
January	649	649	15,382,554	0.42	1,289,583.1
February	586	586	15,329,718	0.38	1,162,208.6
March	677	677	15,403,785	0.44	1,291,184.3
April	712	712	15,337,009	0.46	1,244,922.8
May	733	733	15,334,054	0.48	1,285,622.8
June	594	594	15,295,382	0.39	1,241,430.9
July	538	538	15,260,195	0.35	1,280,017.1
August	487	487	15,258,220	0.32	1,279,081.6
September	428	428	15,201,014	0.28	1,233,725.6
October	558	558	15,183,466	0.37	1,272,927.3
November	599	599	15,178,573	0.39	1,232,404.2
December	559	559	15,172,984	0.37	1,272,820.6
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>					
<i>Contaminated valsartan</i>					
<b>2012</b>					
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
December	0	0	0	NaN	0.0
<i>2013</i>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<i>2014</i>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<i>2015</i>					
January	170	170	2,267,979	0.75	190,022.9
February	254	254	2,357,531	1.08	178,629.5
March	228	228	2,459,640	0.93	206,104.5
April	178	178	2,515,189	0.71	204,029.2
May	273	273	2,538,937	1.08	212,755.4
June	238	238	2,553,467	0.93	207,161.3
July	249	249	2,577,661	0.97	216,019.1
August	184	184	2,601,232	0.71	218,027.0



**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
September	158	158	2,616,280	0.60	212,216.1
October	172	172	2,632,038	0.65	219,943.1
November	176	176	2,636,255	0.67	213,603.6
December	239	239	2,667,478	0.90	223,279.2
<b>2016</b>					
January	477	477	4,052,031	1.18	337,980.7
February	470	470	4,243,855	1.11	321,376.9
March	461	461	4,292,409	1.07	346,523.8
April	499	499	4,290,992	1.16	337,527.1
May	602	602	4,308,497	1.40	350,162.7
June	468	468	4,344,375	1.08	341,043.0
July	458	458	4,381,229	1.05	355,661.5
August	501	501	4,414,713	1.13	358,629.2
September	452	452	4,438,312	1.02	349,512.8
October	430	430	4,480,447	0.96	364,170.5
November	414	414	4,533,498	0.91	355,389.0
December	412	412	14,899,816	0.28	399,682.7
<b>2017</b>					
January	2,568	2,568	14,316,619	1.79	1,168,283.9
February	2,335	2,335	14,010,775	1.67	1,062,107.7
March	2,413	2,413	14,037,850	1.72	1,176,594.8
April	2,046	2,046	14,033,061	1.46	1,138,666.4
May	2,134	2,134	14,034,998	1.52	1,176,499.8
June	2,163	2,163	14,031,265	1.54	1,138,513.1
July	2,420	2,420	14,175,472	1.71	1,188,560.5
August	2,337	2,337	14,242,181	1.64	1,193,278.6
September	1,973	1,973	14,221,938	1.39	1,153,725.5
October	1,970	1,970	14,241,966	1.38	1,193,598.7
November	1,876	1,876	14,260,125	1.32	1,157,161.2
December	1,660	1,660	14,354,800	1.16	1,203,029.0
<b>2018</b>					
January	2,085	2,085	15,439,334	1.35	1,294,421.4
February	2,019	2,019	15,387,403	1.31	1,166,653.5
March	2,096	2,096	15,462,496	1.36	1,296,198.4
April	2,030	2,030	15,396,462	1.32	1,249,839.8
May	2,131	2,131	15,394,310	1.38	1,290,771.8

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
June	2,016	2,016	15,356,557	1.31	1,246,472.4
July	1,179	1,179	15,321,918	0.77	1,285,259.7
August	395	395	15,319,793	0.26	1,284,284.5
September	483	483	15,261,912	0.32	1,238,699.9
October	650	650	15,243,863	0.43	1,278,034.5
November	744	744	15,238,680	0.49	1,237,341.5
December	572	572	15,232,922	0.38	1,277,908.9

**New Use - Censoring on Query/Data End Date, Disenrollment, or Death**

*Contaminated valsartan*

**2012**

May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0

**2013**

January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0

**2014**

January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	30	30	2,261,199	0.13	189,449.7
February	52	52	2,350,582	0.22	178,092.9
March	48	48	2,452,640	0.20	205,506.9
April	39	39	2,508,069	0.16	203,443.6
May	50	50	2,531,798	0.20	212,146.8
June	53	53	2,546,282	0.21	206,567.9
July	61	61	2,570,516	0.24	215,407.4
August	46	46	2,594,117	0.18	217,418.9
September	44	44	2,609,238	0.17	211,629.9
October	58	58	2,624,995	0.22	219,340.8
November	50	50	2,629,242	0.19	213,023.3
December	77	77	2,660,451	0.29	222,678.3
<b>2016</b>					
January	118	118	4,040,404	0.29	336,993.8
February	115	115	4,231,857	0.27	320,438.6
March	133	133	4,280,327	0.31	345,513.2
April	120	120	4,278,871	0.28	336,541.9
May	137	137	4,296,361	0.32	349,143.0
June	129	129	4,332,160	0.30	340,053.9
July	138	138	4,368,894	0.32	354,632.1
August	171	171	4,402,270	0.39	357,587.3
September	175	175	4,425,679	0.40	348,494.4
October	160	160	4,467,634	0.36	363,104.1
November	185	185	4,520,536	0.41	354,341.3
December	183	183	14,850,562	0.12	398,483.3
<b>2017</b>					
January	955	955	14,268,069	0.67	1,164,232.3

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
February	860	860	13,962,118	0.62	1,058,358.0
March	949	949	13,988,337	0.68	1,172,368.2
April	917	917	13,982,860	0.66	1,134,515.6
May	946	946	13,984,115	0.68	1,172,148.5
June	859	859	13,979,498	0.61	1,134,245.0
July	842	842	14,122,745	0.60	1,184,063.5
August	919	919	14,188,668	0.65	1,188,715.8
September	869	869	14,167,736	0.61	1,149,260.2
October	1,007	1,007	14,187,144	0.71	1,188,923.8
November	963	963	14,204,324	0.68	1,152,563.9
December	904	904	14,298,193	0.63	1,198,203.9
<b>2018</b>					
January	1,095	1,095	15,382,554	0.71	1,289,583.1
February	1,090	1,090	15,329,718	0.71	1,162,208.6
March	1,236	1,236	15,403,785	0.80	1,291,184.3
April	1,202	1,202	15,337,009	0.78	1,244,922.8
May	1,208	1,208	15,334,054	0.79	1,285,622.8
June	1,109	1,109	15,295,382	0.73	1,241,430.9
July	559	559	15,260,195	0.37	1,280,017.1
August	130	130	15,258,220	0.09	1,279,081.6
September	127	127	15,201,014	0.08	1,233,725.6
October	237	237	15,183,466	0.16	1,272,927.3
November	362	362	15,178,573	0.24	1,232,404.2
December	259	259	15,172,984	0.17	1,272,820.6
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>					

*Contaminated valsartan*

**2012**

May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0

**2013**

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2014</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	170	170	2,267,979	0.75	190,022.9
February	254	254	2,357,531	1.08	178,629.5
March	228	228	2,459,640	0.93	206,104.5
April	183	183	2,515,189	0.73	204,029.2
May	283	283	2,538,937	1.11	212,755.4
June	253	253	2,553,467	0.99	207,161.3
July	263	263	2,577,661	1.02	216,019.1
August	201	201	2,601,232	0.77	218,027.0
September	172	172	2,616,280	0.66	212,216.1
October	187	187	2,632,038	0.71	219,943.1

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
November	196	196	2,636,255	0.74	213,603.6
December	269	269	2,667,478	1.01	223,279.2
<b>2016</b>					
January	504	504	4,052,031	1.24	337,980.7
February	501	501	4,243,855	1.18	321,376.9
March	492	492	4,292,409	1.15	346,523.8
April	537	537	4,290,992	1.25	337,527.1
May	670	670	4,308,497	1.56	350,162.7
June	520	520	4,344,375	1.20	341,043.0
July	500	500	4,381,229	1.14	355,661.5
August	555	555	4,414,713	1.26	358,629.2
September	512	512	4,438,312	1.15	349,512.8
October	488	488	4,480,447	1.09	364,170.5
November	462	462	4,533,498	1.02	355,389.0
December	456	456	14,899,816	0.31	399,682.7
<b>2017</b>					
January	2,630	2,630	14,316,619	1.84	1,168,283.9
February	2,394	2,394	14,010,775	1.71	1,062,107.7
March	2,462	2,462	14,037,850	1.75	1,176,594.8
April	2,104	2,104	14,033,061	1.50	1,138,666.4
May	2,206	2,206	14,034,998	1.57	1,176,499.8
June	2,274	2,274	14,031,265	1.62	1,138,513.1
July	2,538	2,538	14,175,472	1.79	1,188,560.5
August	2,469	2,469	14,242,181	1.73	1,193,278.6
September	2,094	2,094	14,221,938	1.47	1,153,725.5
October	2,144	2,144	14,241,966	1.51	1,193,598.7
November	2,035	2,035	14,260,125	1.43	1,157,161.2
December	1,805	1,805	14,354,800	1.26	1,203,029.0
<b>2018</b>					
January	2,250	2,250	15,439,334	1.46	1,294,421.4
February	2,174	2,174	15,387,403	1.41	1,166,653.5
March	2,278	2,278	15,462,496	1.47	1,296,198.4
April	2,210	2,210	15,396,462	1.44	1,249,839.8
May	2,356	2,356	15,394,310	1.53	1,290,771.8
June	2,272	2,272	15,356,557	1.48	1,246,472.4
July	1,362	1,362	15,321,918	0.89	1,285,259.7

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
August	516	516	15,319,793	0.34	1,284,284.5
September	643	643	15,261,912	0.42	1,238,699.9
October	860	860	15,243,863	0.56	1,278,034.5
November	938	938	15,238,680	0.62	1,237,341.5
December	749	749	15,232,922	0.49	1,277,908.9

**New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan**

*Contaminated valsartan*

**2012**

May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0

**2013**

January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0

**2014**

January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	30	30	2,261,199	0.13	189,449.7
February	52	52	2,350,582	0.22	178,092.9
March	48	48	2,452,640	0.20	205,506.9
April	39	39	2,508,069	0.16	203,443.6
May	50	50	2,531,798	0.20	212,146.8
June	53	53	2,546,282	0.21	206,567.9
July	61	61	2,570,516	0.24	215,407.4
August	46	46	2,594,117	0.18	217,418.9
September	44	44	2,609,238	0.17	211,629.9
October	58	58	2,624,995	0.22	219,340.8
November	50	50	2,629,242	0.19	213,023.3
December	77	77	2,660,451	0.29	222,678.3
<b>2016</b>					
January	118	118	4,040,404	0.29	336,993.8
February	115	115	4,231,857	0.27	320,438.6
March	133	133	4,280,327	0.31	345,513.2
April	120	120	4,278,871	0.28	336,541.9
May	137	137	4,296,361	0.32	349,143.0
June	129	129	4,332,160	0.30	340,053.9
July	138	138	4,368,894	0.32	354,632.1
August	171	171	4,402,270	0.39	357,587.3
September	175	175	4,425,679	0.40	348,494.4
October	160	160	4,467,634	0.36	363,104.1
November	185	185	4,520,536	0.41	354,341.3
December	183	183	14,850,562	0.12	398,483.3
<b>2017</b>					
January	955	955	14,268,069	0.67	1,164,232.3
February	860	860	13,962,118	0.62	1,058,358.0
March	949	949	13,988,337	0.68	1,172,368.2



**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
April	917	917	13,982,860	0.66	1,134,515.6
May	946	946	13,984,115	0.68	1,172,148.5
June	859	859	13,979,498	0.61	1,134,245.0
July	842	842	14,122,745	0.60	1,184,063.5
August	919	919	14,188,668	0.65	1,188,715.8
September	869	869	14,167,736	0.61	1,149,260.2
October	1,007	1,007	14,187,144	0.71	1,188,923.8
November	963	963	14,204,324	0.68	1,152,563.9
December	904	904	14,298,193	0.63	1,198,203.9
<b>2018</b>					
January	1,095	1,095	15,382,554	0.71	1,289,583.1
February	1,090	1,090	15,329,718	0.71	1,162,208.6
March	1,236	1,236	15,403,785	0.80	1,291,184.3
April	1,202	1,202	15,337,009	0.78	1,244,922.8
May	1,208	1,208	15,334,054	0.79	1,285,622.8
June	1,109	1,109	15,295,382	0.73	1,241,430.9
July	559	559	15,260,195	0.37	1,280,017.1
August	130	130	15,258,220	0.09	1,279,081.6
September	127	127	15,201,014	0.08	1,233,725.6
October	238	238	15,183,466	0.16	1,272,927.3
November	362	362	15,178,573	0.24	1,232,404.2
December	259	259	15,172,984	0.17	1,272,820.6
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>					
<i>Non-contaminated valsartan</i>					
<b>2012</b>					
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2013</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2014</b>					
January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	388	388	2,267,979	1.71	190,022.9
February	381	381	2,357,531	1.62	178,629.5
March	353	353	2,459,640	1.44	206,104.5
April	357	357	2,515,189	1.42	204,029.2
May	328	328	2,538,937	1.29	212,755.4
June	384	384	2,553,467	1.50	207,161.3
July	310	310	2,577,661	1.20	216,019.1
August	279	279	2,601,232	1.07	218,027.0
September	271	271	2,616,280	1.04	212,216.1
October	292	292	2,632,038	1.11	219,943.1
November	317	317	2,636,255	1.20	213,603.6
December	338	338	2,667,478	1.27	223,279.2

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<b>2016</b>					
January	617	617	4,052,031	1.52	337,980.7
February	562	562	4,243,855	1.32	321,376.9
March	565	565	4,292,409	1.32	346,523.8
April	472	472	4,290,992	1.10	337,527.1
May	439	439	4,308,497	1.02	350,162.7
June	451	451	4,344,375	1.04	341,043.0
July	416	416	4,381,229	0.95	355,661.5
August	415	415	4,414,713	0.94	358,629.2
September	361	361	4,438,312	0.81	349,512.8
October	361	361	4,480,447	0.81	364,170.5
November	389	389	4,533,498	0.86	355,389.0
December	406	406	14,899,816	0.27	399,682.7
<b>2017</b>					
January	1,574	1,574	14,316,619	1.10	1,168,283.9
February	1,388	1,388	14,010,775	0.99	1,062,107.7
March	1,537	1,537	14,037,850	1.09	1,176,594.8
April	1,376	1,376	14,033,061	0.98	1,138,666.4
May	1,538	1,538	14,034,998	1.10	1,176,499.8
June	1,408	1,408	14,031,265	1.00	1,138,513.1
July	1,171	1,171	14,175,472	0.83	1,188,560.5
August	1,247	1,247	14,242,181	0.88	1,193,278.6
September	1,286	1,286	14,221,938	0.90	1,153,725.5
October	1,510	1,510	14,241,966	1.06	1,193,598.7
November	1,355	1,355	14,260,125	0.95	1,157,161.2
December	1,261	1,261	14,354,800	0.88	1,203,029.0
<b>2018</b>					
January	1,506	1,506	15,439,334	0.98	1,294,421.4
February	1,374	1,374	15,387,403	0.89	1,166,653.5
March	1,463	1,463	15,462,496	0.95	1,296,198.4
April	1,502	1,502	15,396,462	0.98	1,249,839.8
May	1,460	1,460	15,394,310	0.95	1,290,771.8
June	1,226	1,226	15,356,557	0.80	1,246,472.4
July	1,667	1,667	15,321,918	1.09	1,285,259.7
August	1,620	1,620	15,319,793	1.06	1,284,284.5
September	1,268	1,268	15,261,912	0.83	1,238,699.9

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
October	1,274	1,274	15,243,863	0.84	1,278,034.5
November	1,206	1,206	15,238,680	0.79	1,237,341.5
December	1,408	1,408	15,232,922	0.92	1,277,908.9

**New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan**

*Non-contaminated valsartan*

**2012**

May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0

**2013**

January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0

**2014**

January	0	0	0	NaN	0.0
February	0	0	0	NaN	0.0
March	0	0	0	NaN	0.0
April	0	0	0	NaN	0.0
May	0	0	0	NaN	0.0
June	0	0	0	NaN	0.0
July	0	0	0	NaN	0.0
August	0	0	0	NaN	0.0

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
September	0	0	0	NaN	0.0
October	0	0	0	NaN	0.0
November	0	0	0	NaN	0.0
December	0	0	0	NaN	0.0
<b>2015</b>					
January	116	116	2,261,199	0.51	189,449.7
February	116	116	2,350,582	0.49	178,092.9
March	107	107	2,452,640	0.44	205,506.9
April	107	107	2,508,069	0.43	203,443.6
May	107	107	2,531,798	0.42	212,146.8
June	118	118	2,546,282	0.46	206,567.9
July	101	101	2,570,516	0.39	215,407.4
August	99	99	2,594,117	0.38	217,418.9
September	133	133	2,609,238	0.51	211,629.9
October	119	119	2,624,995	0.45	219,340.8
November	116	116	2,629,242	0.44	213,023.3
December	119	119	2,660,451	0.45	222,678.3
<b>2016</b>					
January	246	246	4,040,404	0.61	336,993.8
February	227	227	4,231,857	0.54	320,438.6
March	222	222	4,280,327	0.52	345,513.2
April	216	216	4,278,871	0.50	336,541.9
May	186	186	4,296,361	0.43	349,143.0
June	174	174	4,332,160	0.40	340,053.9
July	182	182	4,368,894	0.42	354,632.1
August	206	206	4,402,270	0.47	357,587.3
September	172	172	4,425,679	0.39	348,494.4
October	172	172	4,467,634	0.38	363,104.1
November	195	195	4,520,536	0.43	354,341.3
December	189	189	14,850,562	0.13	398,483.3
<b>2017</b>					
January	620	620	14,268,069	0.43	1,164,232.3
February	558	558	13,962,118	0.40	1,058,358.0
March	663	663	13,988,337	0.47	1,172,368.2
April	631	631	13,982,860	0.45	1,134,515.6
May	680	680	13,984,115	0.49	1,172,148.5

**Table 2. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year and Month**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
June	622	622	13,979,498	0.44	1,134,245.0
July	482	482	14,122,745	0.34	1,184,063.5
August	541	541	14,188,668	0.38	1,188,715.8
September	490	490	14,167,736	0.35	1,149,260.2
October	579	579	14,187,144	0.41	1,188,923.8
November	517	517	14,204,324	0.36	1,152,563.9
December	513	513	14,298,193	0.36	1,198,203.9
<b>2018</b>					
January	646	646	15,382,554	0.42	1,289,583.1
February	585	585	15,329,718	0.38	1,162,208.6
March	674	674	15,403,785	0.44	1,291,184.3
April	710	710	15,337,009	0.46	1,244,922.8
May	730	730	15,334,054	0.48	1,285,622.8
June	591	591	15,295,382	0.39	1,241,430.9
July	533	533	15,260,195	0.35	1,280,017.1
August	485	485	15,258,220	0.32	1,279,081.6
September	423	423	15,201,014	0.28	1,233,725.6
October	547	547	15,183,466	0.36	1,272,927.3
November	596	596	15,178,573	0.39	1,232,404.2
December	557	557	15,172,984	0.37	1,272,820.6

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

NaN: Not a Number

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<b>Prevalent Use - All Censoring Options</b>					
<i>Any valsartan product</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	101	101	1,654,977	0.61	138,415.8
45-64 years	344	344	572,190	6.01	47,910.2
65-74 years	*****	*****	22,490	*****	1,873.6
75-84 years	*****	*****	15,423	*****	1,288.4
≥ 85 years	*****	*****	6,395	*****	534.8
<i>2015, February</i>					
18-44 years	124	124	1,715,831	0.72	129,818.8
45-64 years	375	375	600,652	6.24	45,470.7
65-74 years	16	16	22,653	7.06	1,706.4
75-84 years	*****	*****	15,333	*****	1,157.9
≥ 85 years	*****	*****	6,303	*****	475.6
<i>2015, March</i>					
18-44 years	117	117	1,783,334	0.66	149,190.3
45-64 years	345	345	635,659	5.43	53,221.5
65-74 years	20	20	22,750	8.79	1,897.4
75-84 years	*****	*****	15,262	*****	1,273.5
≥ 85 years	*****	*****	6,242	*****	521.8
<i>2015, April</i>					
18-44 years	103	103	1,819,745	0.57	147,396.2
45-64 years	316	316	654,147	4.83	53,019.5
65-74 years	18	18	23,085	7.80	1,860.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	15,405	*****	1,243.1
≥ 85 years	*****	*****	6,297	*****	510.0
<i>2015, May</i>					
18-44 years	108	108	1,836,991	0.59	153,704.6
45-64 years	336	336	660,560	5.09	55,289.6
65-74 years	13	13	23,374	5.56	1,940.7
75-84 years	*****	*****	15,526	*****	1,292.2
≥ 85 years	*****	*****	6,327	*****	528.3
<i>2015, June</i>					
18-44 years	130	130	1,847,796	0.70	149,692.6
45-64 years	366	366	664,101	5.51	53,806.6
65-74 years	15	15	23,586	6.36	1,895.0
75-84 years	18	18	15,536	11.59	1,252.7
≥ 85 years	0	0	6,370	0.00	514.4
<i>2015, July</i>					
18-44 years	117	117	1,866,541	0.63	156,158.2
45-64 years	326	326	669,516	4.87	56,033.9
65-74 years	18	18	23,929	7.52	1,986.9
75-84 years	*****	*****	15,614	*****	1,302.5
≥ 85 years	*****	*****	6,437	*****	537.5
<i>2015, August</i>					
18-44 years	90	90	1,883,625	0.48	157,612.8
45-64 years	326	326	675,574	4.83	56,551.8
65-74 years	22	22	24,173	9.10	2,008.4
75-84 years	*****	*****	15,686	*****	1,309.6
≥ 85 years	*****	*****	6,511	*****	544.5
<i>2015, September</i>					
18-44 years	118	118	1,893,252	0.62	153,328.1
45-64 years	304	304	680,529	4.47	55,113.3
65-74 years	16	16	24,407	6.56	1,961.8
75-84 years	15	15	15,846	9.47	1,280.5
≥ 85 years	0	0	6,576	0.00	532.4
<i>2015, October</i>					
18-44 years	117	117	1,903,077	0.61	158,762.0
45-64 years	314	314	685,951	4.58	57,251.1
65-74 years	16	16	24,602	6.50	2,043.1

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	16,007	*****	1,333.6
≥ 85 years	*****	*****	6,628	*****	553.4
<i>2015, November</i>					
18-44 years	100	100	1,901,970	0.53	153,863.9
45-64 years	323	323	690,973	4.67	55,907.8
65-74 years	16	16	24,892	6.43	2,001.1
75-84 years	*****	*****	16,016	*****	1,294.0
≥ 85 years	*****	*****	6,625	*****	536.8
<i>2015, December</i>					
18-44 years	115	115	1,920,531	0.60	160,480.1
45-64 years	347	347	703,644	4.93	58,810.1
65-74 years	20	20	25,191	7.94	2,092.5
75-84 years	*****	*****	16,091	*****	1,342.6
≥ 85 years	*****	*****	6,622	*****	553.8
<i>2016, January</i>					
18-44 years	244	244	2,948,549	0.83	245,572.6
45-64 years	654	654	1,055,939	6.19	87,932.7
65-74 years	13	13	31,406	4.14	2,599.7
75-84 years	*****	*****	15,585	*****	1,301.2
≥ 85 years	*****	*****	6,875	*****	574.5
<i>2016, February</i>					
18-44 years	232	232	3,089,038	0.75	233,415.7
45-64 years	597	597	1,104,572	5.40	83,715.9
65-74 years	22	22	32,832	6.70	2,479.6
75-84 years	*****	*****	16,119	*****	1,224.4
≥ 85 years	*****	*****	7,134	*****	541.2
<i>2016, March</i>					
18-44 years	224	224	3,125,697	0.72	251,607.0
45-64 years	621	621	1,116,241	5.56	90,329.1
65-74 years	19	19	33,261	5.71	2,679.6
75-84 years	*****	*****	16,261	*****	1,322.5
≥ 85 years	*****	*****	7,159	*****	585.6
<i>2016, April</i>					
18-44 years	184	184	3,124,400	0.59	245,097.3
45-64 years	585	585	1,115,738	5.24	87,974.3
65-74 years	20	20	33,185	6.03	2,598.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	12	12	16,348	7.34	1,287.2
≥ 85 years	0	0	7,203	0.00	569.9
<i>2016, May</i>					
18-44 years	216	216	3,138,283	0.69	254,362.6
45-64 years	600	600	1,119,425	5.36	91,205.5
65-74 years	*****	*****	32,967	*****	2,658.5
75-84 years	22	22	16,542	13.30	1,342.8
≥ 85 years	*****	*****	7,264	*****	593.2
<i>2016, June</i>					
18-44 years	217	217	3,165,062	0.69	247,767.8
45-64 years	551	551	1,127,887	4.89	88,780.9
65-74 years	25	25	33,386	7.49	2,602.9
75-84 years	*****	*****	16,685	*****	1,312.4
≥ 85 years	*****	*****	7,316	*****	579.0
<i>2016, July</i>					
18-44 years	210	210	3,194,015	0.66	258,411.7
45-64 years	569	569	1,135,504	5.01	92,538.4
65-74 years	29	29	33,844	8.57	2,734.1
75-84 years	*****	*****	16,893	*****	1,374.6
≥ 85 years	*****	*****	7,341	*****	602.6
<i>2016, August</i>					
18-44 years	237	237	3,218,925	0.74	260,748.3
45-64 years	600	600	1,143,756	5.25	93,139.4
65-74 years	30	30	34,192	8.77	2,753.3
75-84 years	*****	*****	17,022	*****	1,384.3
≥ 85 years	*****	*****	7,402	*****	603.8
<i>2016, September</i>					
18-44 years	201	201	3,235,220	0.62	254,059.0
45-64 years	653	653	1,150,330	5.68	90,794.5
65-74 years	22	22	34,793	6.32	2,717.0
75-84 years	*****	*****	17,219	*****	1,354.1
≥ 85 years	*****	*****	7,426	*****	588.2
<i>2016, October</i>					
18-44 years	232	232	3,263,303	0.71	264,672.9
45-64 years	643	643	1,163,363	5.53	94,602.7
65-74 years	31	31	35,482	8.74	2,862.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	17,442	*****	1,420.0
≥ 85 years	*****	*****	7,468	*****	612.1
<i>2016, November</i>					
18-44 years	237	237	3,299,148	0.72	258,066.8
45-64 years	662	662	1,179,215	5.61	92,516.0
65-74 years	23	23	36,198	6.35	2,823.0
75-84 years	*****	*****	17,601	*****	1,385.0
≥ 85 years	*****	*****	7,537	*****	598.2
<i>2016, December</i>					
18-44 years	227	227	10,397,468	0.22	288,878.6
45-64 years	678	678	4,278,158	1.58	105,307.0
65-74 years	22	22	141,150	1.56	3,261.0
75-84 years	*****	*****	66,683	*****	1,574.5
≥ 85 years	*****	*****	22,844	*****	661.6
<i>2017, January</i>					
18-44 years	831	831	9,974,417	0.83	811,667.3
45-64 years	2,604	2,604	4,147,391	6.28	338,998.2
65-74 years	131	131	133,242	9.83	10,832.0
75-84 years	89	89	62,699	14.19	5,143.5
≥ 85 years	18	18	20,027	8.99	1,642.9
<i>2017, February</i>					
18-44 years	769	769	9,746,950	0.79	738,190.8
45-64 years	2,336	2,336	4,071,029	5.74	307,909.9
65-74 years	124	124	131,110	9.46	9,839.4
75-84 years	70	70	61,958	11.30	4,675.4
≥ 85 years	20	20	19,756	10.12	1,492.3
<i>2017, March</i>					
18-44 years	825	825	9,775,650	0.84	818,582.4
45-64 years	2,638	2,638	4,078,866	6.47	341,043.0
65-74 years	145	145	123,902	11.70	10,285.7
75-84 years	94	94	60,410	15.56	5,045.6
≥ 85 years	21	21	19,597	10.72	1,638.1
<i>2017, April</i>					
18-44 years	747	747	9,774,118	0.76	792,406.8
45-64 years	2,454	2,454	4,073,824	6.02	329,780.0
65-74 years	118	118	124,299	9.49	9,988.7



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	81	81	60,517	13.38	4,891.2
≥ 85 years	21	21	19,738	10.64	1,599.6
<i>2017, May</i>					
18-44 years	897	897	9,776,164	0.92	818,769.5
45-64 years	2,557	2,557	4,073,653	6.28	340,639.6
65-74 years	145	145	124,739	11.62	10,356.7
75-84 years	73	73	60,837	12.00	5,077.3
≥ 85 years	26	26	19,822	13.12	1,656.7
<i>2017, June</i>					
18-44 years	833	833	9,775,399	0.85	792,450.3
45-64 years	2,485	2,485	4,069,450	6.11	329,466.1
65-74 years	149	149	124,960	11.92	10,045.1
75-84 years	69	69	61,140	11.29	4,939.0
≥ 85 years	21	21	19,936	10.53	1,612.6
<i>2017, July</i>					
18-44 years	742	742	9,881,471	0.75	827,561.0
45-64 years	2,276	2,276	4,107,767	5.54	343,753.6
65-74 years	115	115	125,682	9.15	10,434.6
75-84 years	77	77	61,411	12.54	5,128.8
≥ 85 years	15	15	20,093	7.47	1,682.4
<i>2017, August</i>					
18-44 years	806	806	9,916,601	0.81	829,976.4
45-64 years	2,459	2,459	4,134,900	5.95	345,634.2
65-74 years	139	139	129,082	10.77	10,708.3
75-84 years	72	72	62,889	11.45	5,246.6
≥ 85 years	20	20	20,489	9.76	1,713.1
<i>2017, September</i>					
18-44 years	748	748	9,898,953	0.76	802,185.8
45-64 years	2,365	2,365	4,131,047	5.72	334,369.5
65-74 years	113	113	129,526	8.72	10,405.8
75-84 years	76	76	63,152	12.03	5,104.0
≥ 85 years	16	16	20,504	7.80	1,660.4
<i>2017, October</i>					
18-44 years	883	883	9,911,285	0.89	829,860.1
45-64 years	2,689	2,689	4,137,101	6.50	345,893.9
65-74 years	140	140	130,408	10.74	10,808.3

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	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	74	74	63,632	11.63	5,306.2
≥ 85 years	20	20	20,718	9.65	1,730.2
<i>2017, November</i>					
18-44 years	839	839	9,916,260	0.85	803,875.9
45-64 years	2,518	2,518	4,148,595	6.07	335,906.7
65-74 years	118	118	131,133	9.00	10,539.5
75-84 years	72	72	63,771	11.29	5,154.6
≥ 85 years	23	23	20,796	11.06	1,684.5
<i>2017, December</i>					
18-44 years	800	800	9,981,525	0.80	835,565.5
45-64 years	2,358	2,358	4,177,388	5.64	349,379.9
65-74 years	126	126	132,408	9.52	10,979.8
75-84 years	71	71	64,228	11.05	5,355.1
≥ 85 years	17	17	20,927	8.12	1,748.7
<i>2018, January</i>					
18-44 years	991	991	10,629,491	0.93	890,254.8
45-64 years	2,949	2,949	4,584,557	6.43	383,476.7
65-74 years	133	133	145,694	9.13	12,104.1
75-84 years	81	81	73,574	11.01	6,140.4
≥ 85 years	16	16	29,186	5.48	2,445.4
<i>2018, February</i>					
18-44 years	921	921	10,592,202	0.87	802,354.4
45-64 years	2,781	2,781	4,567,886	6.09	345,626.0
65-74 years	112	112	145,489	7.70	10,936.8
75-84 years	80	80	73,309	10.91	5,538.2
≥ 85 years	14	14	29,010	4.83	2,198.1
<i>2018, March</i>					
18-44 years	946	946	10,647,327	0.89	891,791.2
45-64 years	3,036	3,036	4,588,376	6.62	383,628.1
65-74 years	143	143	147,131	9.72	12,223.7
75-84 years	102	102	73,347	13.91	6,122.4
≥ 85 years	26	26	29,029	8.96	2,433.0
<i>2018, April</i>					
18-44 years	1,024	1,024	10,600,102	0.97	859,837.1
45-64 years	2,931	2,931	4,572,016	6.41	370,233.6
65-74 years	161	161	143,988	11.18	11,581.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	91	91	72,304	12.59	5,850.3
≥ 85 years	22	22	28,814	7.64	2,337.3
<i>2018, May</i>					
18-44 years	1,040	1,040	10,602,523	0.98	888,274.2
45-64 years	3,000	3,000	4,568,170	6.57	382,042.4
65-74 years	155	155	144,274	10.74	11,987.7
75-84 years	94	94	72,411	12.98	6,047.8
≥ 85 years	34	34	28,870	11.78	2,419.8
<i>2018, June</i>					
18-44 years	941	941	10,576,090	0.89	857,711.3
45-64 years	2,870	2,870	4,556,623	6.30	368,956.2
65-74 years	136	136	144,354	9.42	11,607.2
75-84 years	84	84	72,289	11.62	5,849.0
≥ 85 years	30	30	28,986	10.35	2,348.7
<i>2018, July</i>					
18-44 years	681	681	10,556,205	0.65	884,568.7
45-64 years	2,152	2,152	4,543,255	4.74	380,261.9
65-74 years	99	99	144,230	6.86	11,971.9
75-84 years	64	64	72,111	8.88	6,026.8
≥ 85 years	13	13	28,992	4.48	2,430.4
<i>2018, August</i>					
18-44 years	438	438	10,555,889	0.41	884,046.2
45-64 years	1,362	1,362	4,541,982	3.00	379,834.1
65-74 years	61	61	144,245	4.23	11,963.3
75-84 years	*****	*****	71,987	*****	6,012.1
≥ 85 years	*****	*****	28,981	*****	2,428.7
<i>2018, September</i>					
18-44 years	421	421	10,512,173	0.40	852,409.1
45-64 years	1,469	1,469	4,527,238	3.24	366,571.9
65-74 years	74	74	143,978	5.14	11,569.2
75-84 years	43	43	71,650	6.00	5,799.8
≥ 85 years	11	11	28,939	3.80	2,350.0
<i>2018, October</i>					
18-44 years	559	559	10,495,199	0.53	879,184.4
45-64 years	1,826	1,826	4,525,830	4.03	378,432.7
65-74 years	83	83	144,498	5.74	11,985.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	71,777	*****	5,992.1
≥ 85 years	*****	*****	29,096	*****	2,439.5
<i>2018, November</i>					
18-44 years	558	558	10,487,414	0.53	850,749.9
45-64 years	1,889	1,889	4,528,205	4.17	366,882.2
65-74 years	88	88	144,011	6.11	11,575.6
75-84 years	57	57	71,429	7.98	5,781.3
≥ 85 years	14	14	28,990	4.83	2,352.5
<i>2018, December</i>					
18-44 years	520	520	10,479,199	0.50	878,124.6
45-64 years	1,580	1,580	4,532,079	3.49	379,449.9
65-74 years	69	69	144,144	4.79	11,961.9
75-84 years	38	38	71,191	5.34	5,948.9
≥ 85 years	12	12	28,921	4.15	2,423.6
<i>Contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	32	32	1,654,977	0.19	138,415.8
45-64 years	125	125	572,190	2.18	47,910.2
65-74 years	*****	*****	22,490	*****	1,873.6
75-84 years	*****	*****	15,423	*****	1,288.4
≥ 85 years	0	0	6,395	0.00	534.8
<i>2015, February</i>					
18-44 years	58	58	1,715,831	0.34	129,818.8
45-64 years	174	174	600,652	2.90	45,470.7

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	*****	*****	22,653	*****	1,706.4
75-84 years	*****	*****	15,333	*****	1,157.9
≥ 85 years	*****	*****	6,303	*****	475.6
<i>2015, March</i>					
18-44 years	39	39	1,783,334	0.22	149,190.3
45-64 years	175	175	635,659	2.75	53,221.5
65-74 years	*****	*****	22,750	*****	1,897.4
75-84 years	*****	*****	15,262	*****	1,273.5
≥ 85 years	*****	*****	6,242	*****	521.8
<i>2015, April</i>					
18-44 years	51	51	1,819,745	0.28	147,396.2
45-64 years	132	132	654,147	2.02	53,019.5
65-74 years	*****	*****	23,085	*****	1,860.3
75-84 years	*****	*****	15,405	*****	1,243.1
≥ 85 years	*****	*****	6,297	*****	510.0
<i>2015, May</i>					
18-44 years	54	54	1,836,991	0.29	153,704.6
45-64 years	221	221	660,560	3.35	55,289.6
65-74 years	*****	*****	23,374	*****	1,940.7
75-84 years	14	14	15,526	9.02	1,292.2
≥ 85 years	*****	*****	6,327	*****	528.3
<i>2015, June</i>					
18-44 years	65	65	1,847,796	0.35	149,692.6
45-64 years	217	217	664,101	3.27	53,806.6
65-74 years	*****	*****	23,586	*****	1,895.0
75-84 years	*****	*****	15,536	*****	1,252.7
≥ 85 years	0	0	6,370	0.00	514.4
<i>2015, July</i>					
18-44 years	71	71	1,866,541	0.38	156,158.2
45-64 years	212	212	669,516	3.17	56,033.9
65-74 years	14	14	23,929	5.85	1,986.9
75-84 years	*****	*****	15,614	*****	1,302.5
≥ 85 years	*****	*****	6,437	*****	537.5
<i>2015, August</i>					
18-44 years	43	43	1,883,625	0.23	157,612.8
45-64 years	172	172	675,574	2.55	56,551.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	*****	*****	24,173	*****	2,008.4
75-84 years	*****	*****	15,686	*****	1,309.6
≥ 85 years	*****	*****	6,511	*****	544.5
<i>2015, September</i>					
18-44 years	46	46	1,893,252	0.24	153,328.1
45-64 years	144	144	680,529	2.12	55,113.3
65-74 years	12	12	24,407	4.92	1,961.8
75-84 years	11	11	15,846	6.94	1,280.5
≥ 85 years	0	0	6,576	0.00	532.4
<i>2015, October</i>					
18-44 years	57	57	1,903,077	0.30	158,762.0
45-64 years	163	163	685,951	2.38	57,251.1
65-74 years	*****	*****	24,602	*****	2,043.1
75-84 years	*****	*****	16,007	*****	1,333.6
≥ 85 years	0	0	6,628	0.00	553.4
<i>2015, November</i>					
18-44 years	47	47	1,901,970	0.25	153,863.9
45-64 years	162	162	690,973	2.34	55,907.8
65-74 years	14	14	24,892	5.62	2,001.1
75-84 years	*****	*****	16,016	*****	1,294.0
≥ 85 years	*****	*****	6,625	*****	536.8
<i>2015, December</i>					
18-44 years	66	66	1,920,531	0.34	160,480.1
45-64 years	222	222	703,644	3.16	58,810.1
65-74 years	15	15	25,191	5.95	2,092.5
75-84 years	*****	*****	16,091	*****	1,342.6
≥ 85 years	*****	*****	6,622	*****	553.8
<i>2016, January</i>					
18-44 years	119	119	2,948,549	0.40	245,572.6
45-64 years	386	386	1,055,939	3.66	87,932.7
65-74 years	20	20	31,406	6.37	2,599.7
75-84 years	*****	*****	15,585	*****	1,301.2
≥ 85 years	*****	*****	6,875	*****	574.5
<i>2016, February</i>					
18-44 years	115	115	3,089,038	0.37	233,415.7
45-64 years	376	376	1,104,572	3.40	83,715.9

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	*****	*****	32,832	*****	2,479.6
75-84 years	26	26	16,119	16.13	1,224.4
≥ 85 years	*****	*****	7,134	*****	541.2
<i>2016, March</i>					
18-44 years	114	114	3,125,697	0.36	251,607.0
45-64 years	376	376	1,116,241	3.37	90,329.1
65-74 years	22	22	33,261	6.61	2,679.6
75-84 years	*****	*****	16,261	*****	1,322.5
≥ 85 years	*****	*****	7,159	*****	585.6
<i>2016, April</i>					
18-44 years	139	139	3,124,400	0.44	245,097.3
45-64 years	426	426	1,115,738	3.82	87,974.3
65-74 years	22	22	33,185	6.63	2,598.5
75-84 years	*****	*****	16,348	*****	1,287.2
≥ 85 years	*****	*****	7,203	*****	569.9
<i>2016, May</i>					
18-44 years	166	166	3,138,283	0.53	254,362.6
45-64 years	533	533	1,119,425	4.76	91,205.5
65-74 years	33	33	32,967	10.01	2,658.5
75-84 years	*****	*****	16,542	*****	1,342.8
≥ 85 years	*****	*****	7,264	*****	593.2
<i>2016, June</i>					
18-44 years	138	138	3,165,062	0.44	247,767.8
45-64 years	428	428	1,127,887	3.79	88,780.9
65-74 years	24	24	33,386	7.19	2,602.9
75-84 years	*****	*****	16,685	*****	1,312.4
≥ 85 years	*****	*****	7,316	*****	579.0
<i>2016, July</i>					
18-44 years	143	143	3,194,015	0.45	258,411.7
45-64 years	412	412	1,135,504	3.63	92,538.4
65-74 years	26	26	33,844	7.68	2,734.1
75-84 years	*****	*****	16,893	*****	1,374.6
≥ 85 years	*****	*****	7,341	*****	602.6
<i>2016, August</i>					
18-44 years	167	167	3,218,925	0.52	260,748.3
45-64 years	456	456	1,143,756	3.99	93,139.4

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	29	29	34,192	8.48	2,753.3
75-84 years	*****	*****	17,022	*****	1,384.3
≥ 85 years	*****	*****	7,402	*****	603.8
<i>2016, September</i>					
18-44 years	155	155	3,235,220	0.48	254,059.0
45-64 years	466	466	1,150,330	4.05	90,794.5
65-74 years	26	26	34,793	7.47	2,717.0
75-84 years	*****	*****	17,219	*****	1,354.1
≥ 85 years	*****	*****	7,426	*****	588.2
<i>2016, October</i>					
18-44 years	153	153	3,263,303	0.47	264,672.9
45-64 years	446	446	1,163,363	3.83	94,602.7
65-74 years	29	29	35,482	8.17	2,862.8
75-84 years	*****	*****	17,442	*****	1,420.0
≥ 85 years	*****	*****	7,468	*****	612.1
<i>2016, November</i>					
18-44 years	147	147	3,299,148	0.45	258,066.8
45-64 years	424	424	1,179,215	3.60	92,516.0
65-74 years	19	19	36,198	5.25	2,823.0
75-84 years	*****	*****	17,601	*****	1,385.0
≥ 85 years	*****	*****	7,537	*****	598.2
<i>2016, December</i>					
18-44 years	135	135	10,397,468	0.13	288,878.6
45-64 years	433	433	4,278,158	1.01	105,307.0
65-74 years	22	22	141,150	1.56	3,261.0
75-84 years	*****	*****	66,683	*****	1,574.5
≥ 85 years	*****	*****	22,844	*****	661.6
<i>2017, January</i>					
18-44 years	603	603	9,974,417	0.60	811,667.3
45-64 years	2,045	2,045	4,147,391	4.93	338,998.2
65-74 years	124	124	133,242	9.31	10,832.0
75-84 years	73	73	62,699	11.64	5,143.5
≥ 85 years	17	17	20,027	8.49	1,642.9
<i>2017, February</i>					
18-44 years	572	572	9,746,950	0.59	738,190.8
45-64 years	1,848	1,848	4,071,029	4.54	307,909.9

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	95	95	131,110	7.25	9,839.4
75-84 years	51	51	61,958	8.23	4,675.4
≥ 85 years	17	17	19,756	8.60	1,492.3
<i>2017, March</i>					
18-44 years	555	555	9,775,650	0.57	818,582.4
45-64 years	1,979	1,979	4,078,866	4.85	341,043.0
65-74 years	109	109	123,902	8.80	10,285.7
75-84 years	69	69	60,410	11.42	5,045.6
≥ 85 years	12	12	19,597	6.12	1,638.1
<i>2017, April</i>					
18-44 years	503	503	9,774,118	0.51	792,406.8
45-64 years	1,791	1,791	4,073,824	4.40	329,780.0
65-74 years	88	88	124,299	7.08	9,988.7
75-84 years	63	63	60,517	10.41	4,891.2
≥ 85 years	15	15	19,738	7.60	1,599.6
<i>2017, May</i>					
18-44 years	621	621	9,776,164	0.64	818,769.5
45-64 years	1,877	1,877	4,073,653	4.61	340,639.6
65-74 years	116	116	124,739	9.30	10,356.7
75-84 years	63	63	60,837	10.36	5,077.3
≥ 85 years	26	26	19,822	13.12	1,656.7
<i>2017, June</i>					
18-44 years	606	606	9,775,399	0.62	792,450.3
45-64 years	1,974	1,974	4,069,450	4.85	329,466.1
65-74 years	127	127	124,960	10.16	10,045.1
75-84 years	68	68	61,140	11.12	4,939.0
≥ 85 years	21	21	19,936	10.53	1,612.6
<i>2017, July</i>					
18-44 years	606	606	9,881,471	0.61	827,561.0
45-64 years	2,221	2,221	4,107,767	5.41	343,753.6
65-74 years	149	149	125,682	11.86	10,434.6
75-84 years	88	88	61,411	14.33	5,128.8
≥ 85 years	20	20	20,093	9.95	1,682.4
<i>2017, August</i>					
18-44 years	611	611	9,916,601	0.62	829,976.4
45-64 years	2,276	2,276	4,134,900	5.50	345,634.2

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	153	153	129,082	11.85	10,708.3
75-84 years	76	76	62,889	12.08	5,246.6
≥ 85 years	20	20	20,489	9.76	1,713.1
<i>2017, September</i>					
18-44 years	559	559	9,898,953	0.56	802,185.8
45-64 years	1,976	1,976	4,131,047	4.78	334,369.5
65-74 years	111	111	129,526	8.57	10,405.8
75-84 years	84	84	63,152	13.30	5,104.0
≥ 85 years	16	16	20,504	7.80	1,660.4
<i>2017, October</i>					
18-44 years	604	604	9,911,285	0.61	829,860.1
45-64 years	2,088	2,088	4,137,101	5.05	345,893.9
65-74 years	120	120	130,408	9.20	10,808.3
75-84 years	71	71	63,632	11.16	5,306.2
≥ 85 years	23	23	20,718	11.10	1,730.2
<i>2017, November</i>					
18-44 years	610	610	9,916,260	0.62	803,875.9
45-64 years	1,986	1,986	4,148,595	4.79	335,906.7
65-74 years	107	107	131,133	8.16	10,539.5
75-84 years	69	69	63,771	10.82	5,154.6
≥ 85 years	28	28	20,796	13.46	1,684.5
<i>2017, December</i>					
18-44 years	575	575	9,981,525	0.58	835,565.5
45-64 years	1,802	1,802	4,177,388	4.31	349,379.9
65-74 years	108	108	132,408	8.16	10,979.8
75-84 years	*****	*****	64,228	*****	5,355.1
≥ 85 years	*****	*****	20,927	*****	1,748.7
<i>2018, January</i>					
18-44 years	647	647	10,629,491	0.61	890,254.8
45-64 years	2,219	2,219	4,584,557	4.84	383,476.7
65-74 years	105	105	145,694	7.21	12,104.1
75-84 years	68	68	73,574	9.24	6,140.4
≥ 85 years	16	16	29,186	5.48	2,445.4
<i>2018, February</i>					
18-44 years	602	602	10,592,202	0.57	802,354.4
45-64 years	2,110	2,110	4,567,886	4.62	345,626.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	105	105	145,489	7.22	10,936.8
75-84 years	81	81	73,309	11.05	5,538.2
≥ 85 years	16	16	29,010	5.52	2,198.1
<i>2018, March</i>					
18-44 years	654	654	10,647,327	0.61	891,791.2
45-64 years	2,251	2,251	4,588,376	4.91	383,628.1
65-74 years	118	118	147,131	8.02	12,223.7
75-84 years	79	79	73,347	10.77	6,122.4
≥ 85 years	19	19	29,029	6.55	2,433.0
<i>2018, April</i>					
18-44 years	654	654	10,600,102	0.62	859,837.1
45-64 years	2,155	2,155	4,572,016	4.71	370,233.6
65-74 years	140	140	143,988	9.72	11,581.5
75-84 years	78	78	72,304	10.79	5,850.3
≥ 85 years	18	18	28,814	6.25	2,337.3
<i>2018, May</i>					
18-44 years	685	685	10,602,523	0.65	888,274.2
45-64 years	2,327	2,327	4,568,170	5.09	382,042.4
65-74 years	139	139	144,274	9.63	11,987.7
75-84 years	85	85	72,411	11.74	6,047.8
≥ 85 years	20	20	28,870	6.93	2,419.8
<i>2018, June</i>					
18-44 years	670	670	10,576,090	0.63	857,711.3
45-64 years	2,335	2,335	4,556,623	5.12	368,956.2
65-74 years	123	123	144,354	8.52	11,607.2
75-84 years	82	82	72,289	11.34	5,849.0
≥ 85 years	31	31	28,986	10.69	2,348.7
<i>2018, July</i>					
18-44 years	396	396	10,556,205	0.38	884,568.7
45-64 years	1,435	1,435	4,543,255	3.16	380,261.9
65-74 years	87	87	144,230	6.03	11,971.9
75-84 years	54	54	72,111	7.49	6,026.8
≥ 85 years	12	12	28,992	4.14	2,430.4
<i>2018, August</i>					
18-44 years	152	152	10,555,889	0.14	884,046.2
45-64 years	595	595	4,541,982	1.31	379,834.1



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
65-74 years	29	29	144,245	2.01	11,963.3
75-84 years	*****	*****	71,987	*****	6,012.1
≥ 85 years	*****	*****	28,981	*****	2,428.7
<i>2018, September</i>					
18-44 years	152	152	10,512,173	0.14	852,409.1
45-64 years	765	765	4,527,238	1.69	366,571.9
65-74 years	43	43	143,978	2.99	11,569.2
75-84 years	*****	*****	71,650	*****	5,799.8
≥ 85 years	*****	*****	28,939	*****	2,350.0
<i>2018, October</i>					
18-44 years	230	230	10,495,199	0.22	879,184.4
45-64 years	954	954	4,525,830	2.11	378,432.7
65-74 years	57	57	144,498	3.94	11,985.8
75-84 years	*****	*****	71,777	*****	5,992.1
≥ 85 years	*****	*****	29,096	*****	2,439.5
<i>2018, November</i>					
18-44 years	237	237	10,487,414	0.23	850,749.9
45-64 years	971	971	4,528,205	2.14	366,882.2
65-74 years	55	55	144,011	3.82	11,575.6
75-84 years	39	39	71,429	5.46	5,781.3
≥ 85 years	13	13	28,990	4.48	2,352.5
<i>2018, December</i>					
18-44 years	190	190	10,479,199	0.18	878,124.6
45-64 years	745	745	4,532,079	1.64	379,449.9
65-74 years	43	43	144,144	2.98	11,961.9
75-84 years	34	34	71,191	4.78	5,948.9
≥ 85 years	11	11	28,921	3.80	2,423.6
<i>Non-contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	77	77	1,654,977	0.47	138,415.8
45-64 years	289	289	572,190	5.05	47,910.2
65-74 years	*****	*****	22,490	*****	1,873.6
75-84 years	*****	*****	15,423	*****	1,288.4
≥ 85 years	*****	*****	6,395	*****	534.8
<i>2015, February</i>					
18-44 years	79	79	1,715,831	0.46	129,818.8
45-64 years	277	277	600,652	4.61	45,470.7
65-74 years	*****	*****	22,653	*****	1,706.4
75-84 years	*****	*****	15,333	*****	1,157.9
≥ 85 years	*****	*****	6,303	*****	475.6
<i>2015, March</i>					
18-44 years	93	93	1,783,334	0.52	149,190.3
45-64 years	248	248	635,659	3.90	53,221.5
65-74 years	13	13	22,750	5.71	1,897.4
75-84 years	*****	*****	15,262	*****	1,273.5
≥ 85 years	*****	*****	6,242	*****	521.8
<i>2015, April</i>					
18-44 years	81	81	1,819,745	0.45	147,396.2
45-64 years	283	283	654,147	4.33	53,019.5
65-74 years	16	16	23,085	6.93	1,860.3
75-84 years	*****	*****	15,405	*****	1,243.1
≥ 85 years	*****	*****	6,297	*****	510.0
<i>2015, May</i>					
18-44 years	87	87	1,836,991	0.47	153,704.6
45-64 years	283	283	660,560	4.28	55,289.6
65-74 years	*****	*****	23,374	*****	1,940.7
75-84 years	*****	*****	15,526	*****	1,292.2
≥ 85 years	*****	*****	6,327	*****	528.3
<i>2015, June</i>					
18-44 years	93	93	1,847,796	0.50	149,692.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	330	330	664,101	4.97	53,806.6
65-74 years	12	12	23,586	5.09	1,895.0
75-84 years	20	20	15,536	12.87	1,252.7
≥ 85 years	0	0	6,370	0.00	514.4
<i>2015, July</i>					
18-44 years	92	92	1,866,541	0.49	156,158.2
45-64 years	253	253	669,516	3.78	56,033.9
65-74 years	*****	*****	23,929	*****	1,986.9
75-84 years	17	17	15,614	10.89	1,302.5
≥ 85 years	*****	*****	6,437	*****	537.5
<i>2015, August</i>					
18-44 years	75	75	1,883,625	0.40	157,612.8
45-64 years	259	259	675,574	3.83	56,551.8
65-74 years	*****	*****	24,173	*****	2,008.4
75-84 years	15	15	15,686	9.56	1,309.6
≥ 85 years	*****	*****	6,511	*****	544.5
<i>2015, September</i>					
18-44 years	93	93	1,893,252	0.49	153,328.1
45-64 years	234	234	680,529	3.44	55,113.3
65-74 years	*****	*****	24,407	*****	1,961.8
75-84 years	*****	*****	15,846	*****	1,280.5
≥ 85 years	0	0	6,576	0.00	532.4
<i>2015, October</i>					
18-44 years	82	82	1,903,077	0.43	158,762.0
45-64 years	270	270	685,951	3.94	57,251.1
65-74 years	13	13	24,602	5.28	2,043.1
75-84 years	*****	*****	16,007	*****	1,333.6
≥ 85 years	*****	*****	6,628	*****	553.4
<i>2015, November</i>					
18-44 years	75	75	1,901,970	0.39	153,863.9
45-64 years	297	297	690,973	4.30	55,907.8
65-74 years	*****	*****	24,892	*****	2,001.1
75-84 years	19	19	16,016	11.86	1,294.0
≥ 85 years	*****	*****	6,625	*****	536.8
<i>2015, December</i>					
18-44 years	86	86	1,920,531	0.45	160,480.1



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	314	314	703,644	4.46	58,810.1
65-74 years	*****	*****	25,191	*****	2,092.5
75-84 years	19	19	16,091	11.81	1,342.6
≥ 85 years	*****	*****	6,622	*****	553.8
<i>2016, January</i>					
18-44 years	179	179	2,948,549	0.61	245,572.6
45-64 years	519	519	1,055,939	4.92	87,932.7
65-74 years	*****	*****	31,406	*****	2,599.7
75-84 years	*****	*****	15,585	*****	1,301.2
≥ 85 years	*****	*****	6,875	*****	574.5
<i>2016, February</i>					
18-44 years	164	164	3,089,038	0.53	233,415.7
45-64 years	463	463	1,104,572	4.19	83,715.9
65-74 years	*****	*****	32,832	*****	2,479.6
75-84 years	*****	*****	16,119	*****	1,224.4
≥ 85 years	*****	*****	7,134	*****	541.2
<i>2016, March</i>					
18-44 years	162	162	3,125,697	0.52	251,607.0
45-64 years	474	474	1,116,241	4.25	90,329.1
65-74 years	17	17	33,261	5.11	2,679.6
75-84 years	*****	*****	16,261	*****	1,322.5
≥ 85 years	*****	*****	7,159	*****	585.6
<i>2016, April</i>					
18-44 years	115	115	3,124,400	0.37	245,097.3
45-64 years	423	423	1,115,738	3.79	87,974.3
65-74 years	18	18	33,185	5.42	2,598.5
75-84 years	15	15	16,348	9.18	1,287.2
≥ 85 years	0	0	7,203	0.00	569.9
<i>2016, May</i>					
18-44 years	129	129	3,138,283	0.41	254,362.6
45-64 years	413	413	1,119,425	3.69	91,205.5
65-74 years	*****	*****	32,967	*****	2,658.5
75-84 years	19	19	16,542	11.49	1,342.8
≥ 85 years	*****	*****	7,264	*****	593.2
<i>2016, June</i>					
18-44 years	147	147	3,165,062	0.46	247,767.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	414	414	1,127,887	3.67	88,780.9
65-74 years	20	20	33,386	5.99	2,602.9
75-84 years	*****	*****	16,685	*****	1,312.4
≥ 85 years	*****	*****	7,316	*****	579.0
<i>2016, July</i>					
18-44 years	133	133	3,194,015	0.42	258,411.7
45-64 years	400	400	1,135,504	3.52	92,538.4
65-74 years	*****	*****	33,844	*****	2,734.1
75-84 years	*****	*****	16,893	*****	1,374.6
≥ 85 years	*****	*****	7,341	*****	602.6
<i>2016, August</i>					
18-44 years	141	141	3,218,925	0.44	260,748.3
45-64 years	388	388	1,143,756	3.39	93,139.4
65-74 years	*****	*****	34,192	*****	2,753.3
75-84 years	*****	*****	17,022	*****	1,384.3
≥ 85 years	*****	*****	7,402	*****	603.8
<i>2016, September</i>					
18-44 years	93	93	3,235,220	0.29	254,059.0
45-64 years	402	402	1,150,330	3.49	90,794.5
65-74 years	*****	*****	34,793	*****	2,717.0
75-84 years	*****	*****	17,219	*****	1,354.1
≥ 85 years	0	0	7,426	0.00	588.2
<i>2016, October</i>					
18-44 years	115	115	3,263,303	0.35	264,672.9
45-64 years	384	384	1,163,363	3.30	94,602.7
65-74 years	*****	*****	35,482	*****	2,862.8
75-84 years	*****	*****	17,442	*****	1,420.0
≥ 85 years	*****	*****	7,468	*****	612.1
<i>2016, November</i>					
18-44 years	131	131	3,299,148	0.40	258,066.8
45-64 years	397	397	1,179,215	3.37	92,516.0
65-74 years	14	14	36,198	3.87	2,823.0
75-84 years	15	15	17,601	8.52	1,385.0
≥ 85 years	0	0	7,537	0.00	598.2
<i>2016, December</i>					
18-44 years	136	136	10,397,468	0.13	288,878.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	410	410	4,278,158	0.96	105,307.0
65-74 years	*****	*****	141,150	*****	3,261.0
75-84 years	*****	*****	66,683	*****	1,574.5
≥ 85 years	0	0	22,844	0.00	661.6
<i>2017, January</i>					
18-44 years	349	349	9,974,417	0.35	811,667.3
45-64 years	1,326	1,326	4,147,391	3.20	338,998.2
65-74 years	56	56	133,242	4.20	10,832.0
75-84 years	*****	*****	62,699	*****	5,143.5
≥ 85 years	*****	*****	20,027	*****	1,642.9
<i>2017, February</i>					
18-44 years	326	326	9,746,950	0.33	738,190.8
45-64 years	1,133	1,133	4,071,029	2.78	307,909.9
65-74 years	68	68	131,110	5.19	9,839.4
75-84 years	37	37	61,958	5.97	4,675.4
≥ 85 years	11	11	19,756	5.57	1,492.3
<i>2017, March</i>					
18-44 years	357	357	9,775,650	0.37	818,582.4
45-64 years	1,260	1,260	4,078,866	3.09	341,043.0
65-74 years	69	69	123,902	5.57	10,285.7
75-84 years	47	47	60,410	7.78	5,045.6
≥ 85 years	12	12	19,597	6.12	1,638.1
<i>2017, April</i>					
18-44 years	315	315	9,774,118	0.32	792,406.8
45-64 years	1,182	1,182	4,073,824	2.90	329,780.0
65-74 years	58	58	124,299	4.67	9,988.7
75-84 years	38	38	60,517	6.28	4,891.2
≥ 85 years	15	15	19,738	7.60	1,599.6
<i>2017, May</i>					
18-44 years	372	372	9,776,164	0.38	818,769.5
45-64 years	1,367	1,367	4,073,653	3.36	340,639.6
65-74 years	68	68	124,739	5.45	10,356.7
75-84 years	*****	*****	60,837	*****	5,077.3
≥ 85 years	*****	*****	19,822	*****	1,656.7
<i>2017, June</i>					
18-44 years	387	387	9,775,399	0.40	792,450.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	1,241	1,241	4,069,450	3.05	329,466.1
65-74 years	75	75	124,960	6.00	10,045.1
75-84 years	*****	*****	61,140	*****	4,939.0
≥ 85 years	*****	*****	19,936	*****	1,612.6
<i>2017, July</i>					
18-44 years	331	331	9,881,471	0.33	827,561.0
45-64 years	1,114	1,114	4,107,767	2.71	343,753.6
65-74 years	42	42	125,682	3.34	10,434.6
75-84 years	*****	*****	61,411	*****	5,128.8
≥ 85 years	*****	*****	20,093	*****	1,682.4
<i>2017, August</i>					
18-44 years	363	363	9,916,601	0.37	829,976.4
45-64 years	1,135	1,135	4,134,900	2.74	345,634.2
65-74 years	64	64	129,082	4.96	10,708.3
75-84 years	29	29	62,889	4.61	5,246.6
≥ 85 years	13	13	20,489	6.34	1,713.1
<i>2017, September</i>					
18-44 years	316	316	9,898,953	0.32	802,185.8
45-64 years	1,228	1,228	4,131,047	2.97	334,369.5
65-74 years	51	51	129,526	3.94	10,405.8
75-84 years	33	33	63,152	5.23	5,104.0
≥ 85 years	14	14	20,504	6.83	1,660.4
<i>2017, October</i>					
18-44 years	405	405	9,911,285	0.41	829,860.1
45-64 years	1,451	1,451	4,137,101	3.51	345,893.9
65-74 years	73	73	130,408	5.60	10,808.3
75-84 years	*****	*****	63,632	*****	5,306.2
≥ 85 years	*****	*****	20,718	*****	1,730.2
<i>2017, November</i>					
18-44 years	363	363	9,916,260	0.37	803,875.9
45-64 years	1,299	1,299	4,148,595	3.13	335,906.7
65-74 years	55	55	131,133	4.19	10,539.5
75-84 years	*****	*****	63,771	*****	5,154.6
≥ 85 years	*****	*****	20,796	*****	1,684.5
<i>2017, December</i>					
18-44 years	331	331	9,981,525	0.33	835,565.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	1,227	1,227	4,177,388	2.94	349,379.9
65-74 years	55	55	132,408	4.15	10,979.8
75-84 years	26	26	64,228	4.05	5,355.1
≥ 85 years	11	11	20,927	5.26	1,748.7
<i>2018, January</i>					
18-44 years	434	434	10,629,491	0.41	890,254.8
45-64 years	1,407	1,407	4,584,557	3.07	383,476.7
65-74 years	64	64	145,694	4.39	12,104.1
75-84 years	*****	*****	73,574	*****	6,140.4
≥ 85 years	*****	*****	29,186	*****	2,445.4
<i>2018, February</i>					
18-44 years	385	385	10,592,202	0.36	802,354.4
45-64 years	1,330	1,330	4,567,886	2.91	345,626.0
65-74 years	46	46	145,489	3.16	10,936.8
75-84 years	*****	*****	73,309	*****	5,538.2
≥ 85 years	*****	*****	29,010	*****	2,198.1
<i>2018, March</i>					
18-44 years	386	386	10,647,327	0.36	891,791.2
45-64 years	1,427	1,427	4,588,376	3.11	383,628.1
65-74 years	59	59	147,131	4.01	12,223.7
75-84 years	*****	*****	73,347	*****	6,122.4
≥ 85 years	*****	*****	29,029	*****	2,433.0
<i>2018, April</i>					
18-44 years	457	457	10,600,102	0.43	859,837.1
45-64 years	1,392	1,392	4,572,016	3.04	370,233.6
65-74 years	60	60	143,988	4.17	11,581.5
75-84 years	*****	*****	72,304	*****	5,850.3
≥ 85 years	*****	*****	28,814	*****	2,337.3
<i>2018, May</i>					
18-44 years	462	462	10,602,523	0.44	888,274.2
45-64 years	1,417	1,417	4,568,170	3.10	382,042.4
65-74 years	53	53	144,274	3.67	11,987.7
75-84 years	34	34	72,411	4.70	6,047.8
≥ 85 years	18	18	28,870	6.23	2,419.8
<i>2018, June</i>					
18-44 years	378	378	10,576,090	0.36	857,711.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

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45-64 years	1,255	1,255	4,556,623	2.75	368,956.2
65-74 years	47	47	144,354	3.26	11,607.2
75-84 years	*****	*****	72,289	*****	5,849.0
≥ 85 years	*****	*****	28,986	*****	2,348.7
<i>2018, July</i>					
18-44 years	435	435	10,556,205	0.41	884,568.7
45-64 years	1,645	1,645	4,543,255	3.62	380,261.9
65-74 years	76	76	144,230	5.27	11,971.9
75-84 years	50	50	72,111	6.93	6,026.8
≥ 85 years	15	15	28,992	5.17	2,430.4
<i>2018, August</i>					
18-44 years	433	433	10,555,889	0.41	884,046.2
45-64 years	1,599	1,599	4,541,982	3.52	379,834.1
65-74 years	70	70	144,245	4.85	11,963.3
75-84 years	30	30	71,987	4.17	6,012.1
≥ 85 years	12	12	28,981	4.14	2,428.7
<i>2018, September</i>					
18-44 years	351	351	10,512,173	0.33	852,409.1
45-64 years	1,253	1,253	4,527,238	2.77	366,571.9
65-74 years	70	70	143,978	4.86	11,569.2
75-84 years	*****	*****	71,650	*****	5,799.8
≥ 85 years	*****	*****	28,939	*****	2,350.0
<i>2018, October</i>					
18-44 years	397	397	10,495,199	0.38	879,184.4
45-64 years	1,336	1,336	4,525,830	2.95	378,432.7
65-74 years	54	54	144,498	3.74	11,985.8
75-84 years	*****	*****	71,777	*****	5,992.1
≥ 85 years	*****	*****	29,096	*****	2,439.5
<i>2018, November</i>					
18-44 years	359	359	10,487,414	0.34	850,749.9
45-64 years	1,299	1,299	4,528,205	2.87	366,882.2
65-74 years	49	49	144,011	3.40	11,575.6
75-84 years	*****	*****	71,429	*****	5,781.3
≥ 85 years	*****	*****	28,990	*****	2,352.5
<i>2018, December</i>					
18-44 years	425	425	10,479,199	0.41	878,124.6

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45-64 years	1,395	1,395	4,532,079	3.08	379,449.9
65-74 years	69	69	144,144	4.79	11,961.9
75-84 years	*****	*****	71,191	*****	5,948.9
≥ 85 years	*****	*****	28,921	*****	2,423.6
<b>New Use - All Censoring Options</b>					
<i>Any valsartan product</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	*****	*****	1,653,767	*****	138,312.6
45-64 years	119	119	567,254	2.10	47,494.9
65-74 years	*****	*****	22,159	*****	1,846.3
75-84 years	*****	*****	15,184	*****	1,268.4
≥ 85 years	0	0	6,308	0.00	527.5
<i>2015, February</i>					
18-44 years	*****	*****	1,714,588	*****	129,722.3
45-64 years	128	128	595,587	2.15	45,080.9
65-74 years	*****	*****	22,328	*****	1,681.3
75-84 years	*****	*****	15,086	*****	1,139.3
≥ 85 years	*****	*****	6,217	*****	469.1
<i>2015, March</i>					
18-44 years	50	50	1,782,050	0.28	149,080.3
45-64 years	124	124	630,570	1.97	52,788.6
65-74 years	*****	*****	22,430	*****	1,870.0
75-84 years	*****	*****	15,026	*****	1,253.1
≥ 85 years	*****	*****	6,160	*****	514.7

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2015, April</i>					
18-44 years	48	48	1,818,435	0.26	147,288.1
45-64 years	103	103	648,968	1.59	52,595.0
65-74 years	*****	*****	22,765	*****	1,834.1
75-84 years	*****	*****	15,161	*****	1,223.2
≥ 85 years	*****	*****	6,213	*****	503.2
<i>2015, May</i>					
18-44 years	*****	*****	1,835,669	*****	153,591.4
45-64 years	121	121	655,386	1.85	54,849.9
65-74 years	*****	*****	23,048	*****	1,913.4
75-84 years	*****	*****	15,275	*****	1,271.1
≥ 85 years	*****	*****	6,241	*****	521.1
<i>2015, June</i>					
18-44 years	54	54	1,846,462	0.29	149,581.9
45-64 years	124	124	658,900	1.88	53,378.3
65-74 years	*****	*****	23,264	*****	1,869.1
75-84 years	*****	*****	15,272	*****	1,231.0
≥ 85 years	0	0	6,287	0.00	507.7
<i>2015, July</i>					
18-44 years	59	59	1,865,188	0.32	156,042.0
45-64 years	103	103	664,374	1.55	55,595.4
65-74 years	*****	*****	23,603	*****	1,959.4
75-84 years	*****	*****	15,347	*****	1,280.0
≥ 85 years	*****	*****	6,356	*****	530.7
<i>2015, August</i>					
18-44 years	44	44	1,882,257	0.23	157,496.4
45-64 years	111	111	670,470	1.66	56,117.1
65-74 years	*****	*****	23,842	*****	1,980.4
75-84 years	*****	*****	15,421	*****	1,287.3
≥ 85 years	*****	*****	6,432	*****	537.7
<i>2015, September</i>					
18-44 years	61	61	1,891,909	0.32	153,215.7
45-64 years	118	118	675,492	1.75	54,695.3
65-74 years	*****	*****	24,076	*****	1,934.4
75-84 years	*****	*****	15,583	*****	1,258.5
≥ 85 years	0	0	6,496	0.00	525.9

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2015, October</i>					
18-44 years	50	50	1,901,720	0.26	158,645.7
45-64 years	122	122	680,922	1.79	56,822.1
65-74 years	*****	*****	24,274	*****	2,015.5
75-84 years	*****	*****	15,738	*****	1,310.8
≥ 85 years	0	0	6,548	0.00	546.6
<i>2015, November</i>					
18-44 years	45	45	1,900,620	0.24	153,751.6
45-64 years	120	120	685,975	1.75	55,495.9
65-74 years	*****	*****	24,558	*****	1,974.0
75-84 years	*****	*****	15,744	*****	1,271.7
≥ 85 years	*****	*****	6,542	*****	530.1
<i>2015, December</i>					
18-44 years	61	61	1,919,209	0.32	160,366.3
45-64 years	125	125	698,604	1.79	58,381.8
65-74 years	*****	*****	24,859	*****	2,064.1
75-84 years	*****	*****	15,818	*****	1,319.0
≥ 85 years	*****	*****	6,542	*****	547.2
<i>2016, January</i>					
18-44 years	120	120	2,946,310	0.41	245,381.1
45-64 years	247	247	1,047,361	2.36	87,209.2
65-74 years	*****	*****	30,933	*****	2,560.0
75-84 years	*****	*****	15,285	*****	1,275.8
≥ 85 years	*****	*****	6,795	*****	567.7
<i>2016, February</i>					
18-44 years	115	115	3,086,691	0.37	233,231.3
45-64 years	221	221	1,095,770	2.02	83,030.3
65-74 years	*****	*****	32,349	*****	2,441.6
75-84 years	*****	*****	15,811	*****	1,200.5
≥ 85 years	*****	*****	7,053	*****	534.9
<i>2016, March</i>					
18-44 years	107	107	3,123,311	0.34	251,408.5
45-64 years	243	243	1,107,376	2.19	89,589.2
65-74 years	*****	*****	32,768	*****	2,639.6
75-84 years	*****	*****	15,958	*****	1,297.2
≥ 85 years	*****	*****	7,077	*****	578.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2016, April</i>					
18-44 years	84	84	3,121,999	0.27	244,902.6
45-64 years	245	245	1,106,876	2.21	87,254.9
65-74 years	*****	*****	32,693	*****	2,558.6
75-84 years	*****	*****	16,052	*****	1,262.9
≥ 85 years	0	0	7,114	0.00	562.9
<i>2016, May</i>					
18-44 years	99	99	3,135,856	0.32	254,160.2
45-64 years	224	224	1,110,569	2.02	90,461.7
65-74 years	*****	*****	32,470	*****	2,617.6
75-84 years	*****	*****	16,241	*****	1,317.5
≥ 85 years	*****	*****	7,177	*****	586.1
<i>2016, June</i>					
18-44 years	95	95	3,162,610	0.30	247,569.9
45-64 years	206	206	1,118,979	1.84	88,061.5
65-74 years	*****	*****	32,886	*****	2,563.1
75-84 years	*****	*****	16,374	*****	1,287.7
≥ 85 years	*****	*****	7,225	*****	571.6
<i>2016, July</i>					
18-44 years	100	100	3,191,517	0.31	258,204.1
45-64 years	216	216	1,126,555	1.92	91,791.8
65-74 years	*****	*****	33,346	*****	2,693.1
75-84 years	*****	*****	16,571	*****	1,348.4
≥ 85 years	*****	*****	7,248	*****	594.8
<i>2016, August</i>					
18-44 years	114	114	3,216,387	0.35	260,535.8
45-64 years	265	265	1,134,751	2.34	92,386.5
65-74 years	*****	*****	33,689	*****	2,711.6
75-84 years	0	0	16,689	0.00	1,357.5
≥ 85 years	*****	*****	7,311	*****	595.9
<i>2016, September</i>					
18-44 years	83	83	3,232,623	0.26	253,851.3
45-64 years	260	260	1,141,209	2.28	90,058.8
65-74 years	*****	*****	34,267	*****	2,676.5
75-84 years	*****	*****	16,881	*****	1,327.0
≥ 85 years	*****	*****	7,334	*****	580.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2016, October</i>					
18-44 years	99	99	3,260,709	0.30	264,456.5
45-64 years	225	225	1,154,080	1.95	93,832.6
65-74 years	*****	*****	34,950	*****	2,818.5
75-84 years	*****	*****	17,102	*****	1,392.1
≥ 85 years	*****	*****	7,372	*****	604.3
<i>2016, November</i>					
18-44 years	107	107	3,296,522	0.32	257,854.5
45-64 years	263	263	1,169,846	2.25	91,759.4
65-74 years	*****	*****	35,635	*****	2,778.7
75-84 years	*****	*****	17,262	*****	1,358.2
≥ 85 years	0	0	7,440	0.00	590.5
<i>2016, December</i>					
18-44 years	116	116	10,388,583	0.11	288,638.6
45-64 years	259	259	4,241,591	0.61	104,439.2
65-74 years	*****	*****	138,993	*****	3,209.2
75-84 years	*****	*****	65,348	*****	1,543.3
≥ 85 years	*****	*****	22,498	*****	653.0
<i>2017, January</i>					
18-44 years	385	385	9,965,610	0.39	810,932.8
45-64 years	1,164	1,164	4,111,315	2.83	335,996.8
65-74 years	59	59	131,113	4.50	10,656.2
75-84 years	*****	*****	61,369	*****	5,032.3
≥ 85 years	*****	*****	19,681	*****	1,614.2
<i>2017, February</i>					
18-44 years	355	355	9,738,163	0.36	737,512.3
45-64 years	1,022	1,022	4,034,871	2.53	305,131.7
65-74 years	62	62	128,972	4.81	9,676.1
75-84 years	26	26	60,612	4.29	4,572.3
≥ 85 years	11	11	19,406	5.67	1,465.6
<i>2017, March</i>					
18-44 years	397	397	9,766,689	0.41	817,816.8
45-64 years	1,196	1,196	4,042,091	2.96	337,912.1
65-74 years	53	53	121,737	4.35	10,103.5
75-84 years	*****	*****	59,014	*****	4,927.2
≥ 85 years	*****	*****	19,247	*****	1,608.7



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2017, April</i>					
18-44 years	376	376	9,765,071	0.39	791,654.8
45-64 years	1,145	1,145	4,036,552	2.84	326,709.1
65-74 years	61	61	122,081	5.00	9,807.4
75-84 years	*****	*****	59,098	*****	4,774.0
≥ 85 years	*****	*****	19,376	*****	1,570.2
<i>2017, May</i>					
18-44 years	442	442	9,767,006	0.45	817,981.7
45-64 years	1,136	1,136	4,035,884	2.81	337,423.6
65-74 years	67	67	122,464	5.47	10,163.9
75-84 years	*****	*****	59,399	*****	4,954.9
≥ 85 years	*****	*****	19,441	*****	1,624.5
<i>2017, June</i>					
18-44 years	404	404	9,766,053	0.41	791,677.2
45-64 years	1,059	1,059	4,031,100	2.63	326,315.6
65-74 years	76	76	122,615	6.20	9,853.0
75-84 years	*****	*****	59,672	*****	4,818.6
≥ 85 years	*****	*****	19,546	*****	1,580.6
<i>2017, July</i>					
18-44 years	343	343	9,871,808	0.35	826,737.4
45-64 years	953	953	4,068,876	2.34	340,444.5
65-74 years	58	58	123,265	4.71	10,230.9
75-84 years	*****	*****	59,914	*****	5,002.4
≥ 85 years	*****	*****	19,690	*****	1,648.4
<i>2017, August</i>					
18-44 years	371	371	9,906,876	0.37	829,146.0
45-64 years	1,060	1,060	4,095,389	2.59	342,276.3
65-74 years	56	56	126,616	4.42	10,499.9
75-84 years	*****	*****	61,346	*****	5,115.5
≥ 85 years	*****	*****	20,068	*****	1,678.0
<i>2017, September</i>					
18-44 years	337	337	9,889,132	0.34	801,375.7
45-64 years	1,010	1,010	4,091,004	2.47	331,081.3
65-74 years	50	50	127,046	3.94	10,203.1
75-84 years	*****	*****	61,581	*****	4,975.1
≥ 85 years	*****	*****	20,072	*****	1,624.9

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	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2017, October</i>					
18-44 years	436	436	9,901,397	0.44	829,012.7
45-64 years	1,134	1,134	4,096,575	2.77	342,450.6
65-74 years	61	61	127,887	4.77	10,596.7
75-84 years	*****	*****	62,025	*****	5,170.7
≥ 85 years	*****	*****	20,283	*****	1,693.2
<i>2017, November</i>					
18-44 years	389	389	9,906,204	0.39	803,046.6
45-64 years	1,095	1,095	4,107,291	2.67	332,515.2
65-74 years	56	56	128,577	4.36	10,330.8
75-84 years	*****	*****	62,161	*****	5,022.7
≥ 85 years	*****	*****	20,357	*****	1,648.5
<i>2017, December</i>					
18-44 years	378	378	9,971,351	0.38	834,693.5
45-64 years	1,019	1,019	4,135,457	2.46	345,819.4
65-74 years	49	49	129,829	3.77	10,763.4
75-84 years	*****	*****	62,591	*****	5,216.3
≥ 85 years	*****	*****	20,481	*****	1,711.3
<i>2018, January</i>					
18-44 years	460	460	10,619,595	0.43	889,409.8
45-64 years	1,288	1,288	4,542,134	2.84	379,871.4
65-74 years	58	58	143,171	4.05	11,891.7
75-84 years	*****	*****	71,944	*****	6,002.4
≥ 85 years	*****	*****	28,737	*****	2,407.7
<i>2018, February</i>					
18-44 years	442	442	10,582,126	0.42	801,574.9
45-64 years	1,253	1,253	4,524,796	2.77	342,316.5
65-74 years	53	53	142,934	3.71	10,742.3
75-84 years	*****	*****	71,652	*****	5,411.4
≥ 85 years	*****	*****	28,559	*****	2,163.5
<i>2018, March</i>					
18-44 years	485	485	10,637,044	0.46	890,911.1
45-64 years	1,433	1,433	4,544,473	3.15	379,891.1
65-74 years	67	67	144,531	4.64	12,005.2
75-84 years	*****	*****	71,697	*****	5,982.4
≥ 85 years	*****	*****	28,570	*****	2,394.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2018, April</i>					
18-44 years	531	531	10,589,673	0.50	858,969.2
45-64 years	1,374	1,374	4,527,565	3.03	366,570.9
65-74 years	77	77	141,389	5.45	11,368.8
75-84 years	*****	*****	70,646	*****	5,714.3
≥ 85 years	*****	*****	28,352	*****	2,299.6
<i>2018, May</i>					
18-44 years	505	505	10,591,873	0.48	887,359.9
45-64 years	1,415	1,415	4,523,194	3.13	378,213.1
65-74 years	85	85	141,637	6.00	11,764.2
75-84 years	35	35	70,735	4.95	5,905.7
≥ 85 years	14	14	28,398	4.93	2,379.9
<i>2018, June</i>					
18-44 years	464	464	10,565,264	0.44	856,816.1
45-64 years	1,250	1,250	4,510,958	2.77	365,206.2
65-74 years	57	57	141,673	4.02	11,387.4
75-84 years	*****	*****	70,613	*****	5,711.8
≥ 85 years	*****	*****	28,505	*****	2,309.4
<i>2018, July</i>					
18-44 years	284	284	10,545,238	0.27	883,634.9
45-64 years	825	825	4,497,232	1.83	376,364.8
65-74 years	42	42	141,511	2.97	11,743.6
75-84 years	*****	*****	70,432	*****	5,884.7
≥ 85 years	*****	*****	28,500	*****	2,389.1
<i>2018, August</i>					
18-44 years	145	145	10,544,930	0.14	883,121.8
45-64 years	473	473	4,496,083	1.05	375,964.2
65-74 years	21	21	141,537	1.48	11,737.1
75-84 years	*****	*****	70,306	*****	5,871.1
≥ 85 years	*****	*****	28,480	*****	2,387.3
<i>2018, September</i>					
18-44 years	136	136	10,501,409	0.13	851,531.3
45-64 years	412	412	4,481,766	0.92	362,868.1
65-74 years	22	22	141,281	1.56	11,350.9
75-84 years	*****	*****	69,998	*****	5,665.6
≥ 85 years	*****	*****	28,446	*****	2,309.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2018, October</i>					
18-44 years	213	213	10,484,624	0.20	878,289.4
45-64 years	591	591	4,480,664	1.32	374,625.2
65-74 years	26	26	141,800	1.83	11,761.0
75-84 years	*****	*****	70,138	*****	5,853.5
≥ 85 years	*****	*****	28,604	*****	2,398.2
<i>2018, November</i>					
18-44 years	242	242	10,476,930	0.23	849,890.2
45-64 years	729	729	4,483,239	1.63	363,196.8
65-74 years	41	41	141,339	2.90	11,357.1
75-84 years	*****	*****	69,794	*****	5,648.0
≥ 85 years	*****	*****	28,490	*****	2,312.1
<i>2018, December</i>					
18-44 years	226	226	10,468,781	0.22	877,240.4
45-64 years	619	619	4,487,177	1.38	375,648.1
65-74 years	28	28	141,464	1.98	11,737.0
75-84 years	*****	*****	69,585	*****	5,813.0
≥ 85 years	*****	*****	28,427	*****	2,382.1
<i>Contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	*****	*****	1,653,767	*****	138,312.6
45-64 years	*****	*****	567,254	*****	47,494.9
65-74 years	*****	*****	22,159	*****	1,846.3
75-84 years	0	0	15,184	0.00	1,268.4

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	0	0	6,308	0.00	527.5
<i>2015, February</i>					
18-44 years	*****	*****	1,714,588	*****	129,722.3
45-64 years	30	30	595,587	0.50	45,080.9
65-74 years	*****	*****	22,328	*****	1,681.3
75-84 years	*****	*****	15,086	*****	1,139.3
≥ 85 years	*****	*****	6,217	*****	469.1
<i>2015, March</i>					
18-44 years	*****	*****	1,782,050	*****	149,080.3
45-64 years	35	35	630,570	0.56	52,788.6
65-74 years	*****	*****	22,430	*****	1,870.0
75-84 years	0	0	15,026	0.00	1,253.1
≥ 85 years	0	0	6,160	0.00	514.7
<i>2015, April</i>					
18-44 years	*****	*****	1,818,435	*****	147,288.1
45-64 years	25	25	648,968	0.39	52,595.0
65-74 years	*****	*****	22,765	*****	1,834.1
75-84 years	0	0	15,161	0.00	1,223.2
≥ 85 years	0	0	6,213	0.00	503.2
<i>2015, May</i>					
18-44 years	*****	*****	1,835,669	*****	153,591.4
45-64 years	37	37	655,386	0.56	54,849.9
65-74 years	0	0	23,048	0.00	1,913.4
75-84 years	*****	*****	15,275	*****	1,271.1
≥ 85 years	0	0	6,241	0.00	521.1
<i>2015, June</i>					
18-44 years	*****	*****	1,846,462	*****	149,581.9
45-64 years	33	33	658,900	0.50	53,378.3
65-74 years	*****	*****	23,264	*****	1,869.1
75-84 years	*****	*****	15,272	*****	1,231.0
≥ 85 years	0	0	6,287	0.00	507.7
<i>2015, July</i>					
18-44 years	*****	*****	1,865,188	*****	156,042.0
45-64 years	36	36	664,374	0.54	55,595.4
65-74 years	*****	*****	23,603	*****	1,959.4
75-84 years	*****	*****	15,347	*****	1,280.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	0	0	6,356	0.00	530.7
<i>2015, August</i>					
18-44 years	*****	*****	1,882,257	*****	157,496.4
45-64 years	30	30	670,470	0.45	56,117.1
65-74 years	0	0	23,842	0.00	1,980.4
75-84 years	0	0	15,421	0.00	1,287.3
≥ 85 years	*****	*****	6,432	*****	537.7
<i>2015, September</i>					
18-44 years	*****	*****	1,891,909	*****	153,215.7
45-64 years	30	30	675,492	0.44	54,695.3
65-74 years	*****	*****	24,076	*****	1,934.4
75-84 years	*****	*****	15,583	*****	1,258.5
≥ 85 years	0	0	6,496	0.00	525.9
<i>2015, October</i>					
18-44 years	*****	*****	1,901,720	*****	158,645.7
45-64 years	35	35	680,922	0.51	56,822.1
65-74 years	*****	*****	24,274	*****	2,015.5
75-84 years	*****	*****	15,738	*****	1,310.8
≥ 85 years	0	0	6,548	0.00	546.6
<i>2015, November</i>					
18-44 years	*****	*****	1,900,620	*****	153,751.6
45-64 years	32	32	685,975	0.47	55,495.9
65-74 years	*****	*****	24,558	*****	1,974.0
75-84 years	*****	*****	15,744	*****	1,271.7
≥ 85 years	0	0	6,542	0.00	530.1
<i>2015, December</i>					
18-44 years	*****	*****	1,919,209	*****	160,366.3
45-64 years	43	43	698,604	0.62	58,381.8
65-74 years	*****	*****	24,859	*****	2,064.1
75-84 years	*****	*****	15,818	*****	1,319.0
≥ 85 years	0	0	6,542	0.00	547.2
<i>2016, January</i>					
18-44 years	*****	*****	2,946,310	*****	245,381.1
45-64 years	71	71	1,047,361	0.68	87,209.2
65-74 years	*****	*****	30,933	*****	2,560.0
75-84 years	*****	*****	15,285	*****	1,275.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	*****	*****	6,795	*****	567.7
<i>2016, February</i>					
18-44 years	*****	*****	3,086,691	*****	233,231.3
45-64 years	73	73	1,095,770	0.67	83,030.3
65-74 years	*****	*****	32,349	*****	2,441.6
75-84 years	*****	*****	15,811	*****	1,200.5
≥ 85 years	*****	*****	7,053	*****	534.9
<i>2016, March</i>					
18-44 years	*****	*****	3,123,311	*****	251,408.5
45-64 years	89	89	1,107,376	0.80	89,589.2
65-74 years	*****	*****	32,768	*****	2,639.6
75-84 years	*****	*****	15,958	*****	1,297.2
≥ 85 years	*****	*****	7,077	*****	578.6
<i>2016, April</i>					
18-44 years	*****	*****	3,121,999	*****	244,902.6
45-64 years	82	82	1,106,876	0.74	87,254.9
65-74 years	*****	*****	32,693	*****	2,558.6
75-84 years	*****	*****	16,052	*****	1,262.9
≥ 85 years	0	0	7,114	0.00	562.9
<i>2016, May</i>					
18-44 years	*****	*****	3,135,856	*****	254,160.2
45-64 years	93	93	1,110,569	0.84	90,461.7
65-74 years	*****	*****	32,470	*****	2,617.6
75-84 years	*****	*****	16,241	*****	1,317.5
≥ 85 years	*****	*****	7,177	*****	586.1
<i>2016, June</i>					
18-44 years	*****	*****	3,162,610	*****	247,569.9
45-64 years	85	85	1,118,979	0.76	88,061.5
65-74 years	*****	*****	32,886	*****	2,563.1
75-84 years	*****	*****	16,374	*****	1,287.7
≥ 85 years	*****	*****	7,225	*****	571.6
<i>2016, July</i>					
18-44 years	41	41	3,191,517	0.13	258,204.1
45-64 years	86	86	1,126,555	0.76	91,791.8
65-74 years	*****	*****	33,346	*****	2,693.1
75-84 years	*****	*****	16,571	*****	1,348.4

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	*****	*****	7,248	*****	594.8
<i>2016, August</i>					
18-44 years	*****	*****	3,216,387	*****	260,535.8
45-64 years	111	111	1,134,751	0.98	92,386.5
65-74 years	*****	*****	33,689	*****	2,711.6
75-84 years	0	0	16,689	0.00	1,357.5
≥ 85 years	*****	*****	7,311	*****	595.9
<i>2016, September</i>					
18-44 years	*****	*****	3,232,623	*****	253,851.3
45-64 years	115	115	1,141,209	1.01	90,058.8
65-74 years	*****	*****	34,267	*****	2,676.5
75-84 years	*****	*****	16,881	*****	1,327.0
≥ 85 years	*****	*****	7,334	*****	580.8
<i>2016, October</i>					
18-44 years	50	50	3,260,709	0.15	264,456.5
45-64 years	98	98	1,154,080	0.85	93,832.6
65-74 years	*****	*****	34,950	*****	2,818.5
75-84 years	*****	*****	17,102	*****	1,392.1
≥ 85 years	*****	*****	7,372	*****	604.3
<i>2016, November</i>					
18-44 years	*****	*****	3,296,522	*****	257,854.5
45-64 years	121	121	1,169,846	1.03	91,759.4
65-74 years	*****	*****	35,635	*****	2,778.7
75-84 years	*****	*****	17,262	*****	1,358.2
≥ 85 years	0	0	7,440	0.00	590.5
<i>2016, December</i>					
18-44 years	*****	*****	10,388,583	*****	288,638.6
45-64 years	119	119	4,241,591	0.28	104,439.2
65-74 years	*****	*****	138,993	*****	3,209.2
75-84 years	*****	*****	65,348	*****	1,543.3
≥ 85 years	*****	*****	22,498	*****	653.0
<i>2017, January</i>					
18-44 years	215	215	9,965,610	0.22	810,932.8
45-64 years	666	666	4,111,315	1.62	335,996.8
65-74 years	39	39	131,113	2.97	10,656.2
75-84 years	*****	*****	61,369	*****	5,032.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	*****	*****	19,681	*****	1,614.2
<i>2017, February</i>					
18-44 years	210	210	9,738,163	0.22	737,512.3
45-64 years	591	591	4,034,871	1.46	305,131.7
65-74 years	39	39	128,972	3.02	9,676.1
75-84 years	*****	*****	60,612	*****	4,572.3
≥ 85 years	*****	*****	19,406	*****	1,465.6
<i>2017, March</i>					
18-44 years	221	221	9,766,689	0.23	817,816.8
45-64 years	669	669	4,042,091	1.66	337,912.1
65-74 years	30	30	121,737	2.46	10,103.5
75-84 years	*****	*****	59,014	*****	4,927.2
≥ 85 years	*****	*****	19,247	*****	1,608.7
<i>2017, April</i>					
18-44 years	217	217	9,765,071	0.22	791,654.8
45-64 years	640	640	4,036,552	1.59	326,709.1
65-74 years	33	33	122,081	2.70	9,807.4
75-84 years	*****	*****	59,098	*****	4,774.0
≥ 85 years	*****	*****	19,376	*****	1,570.2
<i>2017, May</i>					
18-44 years	263	263	9,767,006	0.27	817,981.7
45-64 years	617	617	4,035,884	1.53	337,423.6
65-74 years	37	37	122,464	3.02	10,163.9
75-84 years	*****	*****	59,399	*****	4,954.9
≥ 85 years	*****	*****	19,441	*****	1,624.5
<i>2017, June</i>					
18-44 years	224	224	9,766,053	0.23	791,677.2
45-64 years	575	575	4,031,100	1.43	326,315.6
65-74 years	38	38	122,615	3.10	9,853.0
75-84 years	*****	*****	59,672	*****	4,818.6
≥ 85 years	*****	*****	19,546	*****	1,580.6
<i>2017, July</i>					
18-44 years	207	207	9,871,808	0.21	826,737.4
45-64 years	570	570	4,068,876	1.40	340,444.5
65-74 years	42	42	123,265	3.41	10,230.9
75-84 years	*****	*****	59,914	*****	5,002.4

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	*****	*****	19,690	*****	1,648.4
<i>2017, August</i>					
18-44 years	217	217	9,906,876	0.22	829,146.0
45-64 years	632	632	4,095,389	1.54	342,276.3
65-74 years	38	38	126,616	3.00	10,499.9
75-84 years	*****	*****	61,346	*****	5,115.5
≥ 85 years	*****	*****	20,068	*****	1,678.0
<i>2017, September</i>					
18-44 years	217	217	9,889,132	0.22	801,375.7
45-64 years	604	604	4,091,004	1.48	331,081.3
65-74 years	31	31	127,046	2.44	10,203.1
75-84 years	*****	*****	61,581	*****	4,975.1
≥ 85 years	*****	*****	20,072	*****	1,624.9
<i>2017, October</i>					
18-44 years	259	259	9,901,397	0.26	829,012.7
45-64 years	687	687	4,096,575	1.68	342,450.6
65-74 years	38	38	127,887	2.97	10,596.7
75-84 years	*****	*****	62,025	*****	5,170.7
≥ 85 years	*****	*****	20,283	*****	1,693.2
<i>2017, November</i>					
18-44 years	258	258	9,906,204	0.26	803,046.6
45-64 years	644	644	4,107,291	1.57	332,515.2
65-74 years	39	39	128,577	3.03	10,330.8
75-84 years	*****	*****	62,161	*****	5,022.7
≥ 85 years	*****	*****	20,357	*****	1,648.5
<i>2017, December</i>					
18-44 years	234	234	9,971,351	0.23	834,693.5
45-64 years	604	604	4,135,457	1.46	345,819.4
65-74 years	33	33	129,829	2.54	10,763.4
75-84 years	*****	*****	62,591	*****	5,216.3
≥ 85 years	*****	*****	20,481	*****	1,711.3
<i>2018, January</i>					
18-44 years	269	269	10,619,595	0.25	889,409.8
45-64 years	767	767	4,542,134	1.69	379,871.4
65-74 years	36	36	143,171	2.51	11,891.7
75-84 years	*****	*****	71,944	*****	6,002.4

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	*****	*****	28,737	*****	2,407.7
<i>2018, February</i>					
18-44 years	263	263	10,582,126	0.25	801,574.9
45-64 years	763	763	4,524,796	1.69	342,316.5
65-74 years	36	36	142,934	2.52	10,742.3
75-84 years	*****	*****	71,652	*****	5,411.4
≥ 85 years	*****	*****	28,559	*****	2,163.5
<i>2018, March</i>					
18-44 years	311	311	10,637,044	0.29	890,911.1
45-64 years	849	849	4,544,473	1.87	379,891.1
65-74 years	48	48	144,531	3.32	12,005.2
75-84 years	*****	*****	71,697	*****	5,982.4
≥ 85 years	*****	*****	28,570	*****	2,394.5
<i>2018, April</i>					
18-44 years	312	312	10,589,673	0.29	858,969.2
45-64 years	803	803	4,527,565	1.77	366,570.9
65-74 years	52	52	141,389	3.68	11,368.8
75-84 years	*****	*****	70,646	*****	5,714.3
≥ 85 years	*****	*****	28,352	*****	2,299.6
<i>2018, May</i>					
18-44 years	288	288	10,591,873	0.27	887,359.9
45-64 years	832	832	4,523,194	1.84	378,213.1
65-74 years	62	62	141,637	4.38	11,764.2
75-84 years	*****	*****	70,735	*****	5,905.7
≥ 85 years	*****	*****	28,398	*****	2,379.9
<i>2018, June</i>					
18-44 years	280	280	10,565,264	0.27	856,816.1
45-64 years	761	761	4,510,958	1.69	365,206.2
65-74 years	41	41	141,673	2.89	11,387.4
75-84 years	*****	*****	70,613	*****	5,711.8
≥ 85 years	*****	*****	28,505	*****	2,309.4
<i>2018, July</i>					
18-44 years	138	138	10,545,238	0.13	883,634.9
45-64 years	382	382	4,497,232	0.85	376,364.8
65-74 years	25	25	141,511	1.77	11,743.6
75-84 years	*****	*****	70,432	*****	5,884.7



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
≥ 85 years	*****	*****	28,500	*****	2,389.1
<i>2018, August</i>					
18-44 years	*****	*****	10,544,930	*****	883,121.8
45-64 years	90	90	4,496,083	0.20	375,964.2
65-74 years	*****	*****	141,537	*****	11,737.1
75-84 years	*****	*****	70,306	*****	5,871.1
≥ 85 years	0	0	28,480	0.00	2,387.3
<i>2018, September</i>					
18-44 years	27	27	10,501,409	0.03	851,531.3
45-64 years	88	88	4,481,766	0.20	362,868.1
65-74 years	*****	*****	141,281	*****	11,350.9
75-84 years	*****	*****	69,998	*****	5,665.6
≥ 85 years	*****	*****	28,446	*****	2,309.6
<i>2018, October</i>					
18-44 years	64	64	10,484,624	0.06	878,289.4
45-64 years	162	162	4,480,664	0.36	374,625.2
65-74 years	*****	*****	141,800	*****	11,761.0
75-84 years	*****	*****	70,138	*****	5,853.5
≥ 85 years	*****	*****	28,604	*****	2,398.2
<i>2018, November</i>					
18-44 years	91	91	10,476,930	0.09	849,890.2
45-64 years	248	248	4,483,239	0.55	363,196.8
65-74 years	*****	*****	141,339	*****	11,357.1
75-84 years	*****	*****	69,794	*****	5,648.0
≥ 85 years	*****	*****	28,490	*****	2,312.1
<i>2018, December</i>					
18-44 years	62	62	10,468,781	0.06	877,240.4
45-64 years	183	183	4,487,177	0.41	375,648.1
65-74 years	*****	*****	141,464	*****	11,737.0
75-84 years	*****	*****	69,585	*****	5,813.0
≥ 85 years	*****	*****	28,427	*****	2,382.1
<i>Non-contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	*****	*****	1,653,767	*****	138,312.6
45-64 years	80	80	567,254	1.41	47,494.9
65-74 years	*****	*****	22,159	*****	1,846.3
75-84 years	*****	*****	15,184	*****	1,268.4
≥ 85 years	0	0	6,308	0.00	527.5
<i>2015, February</i>					
18-44 years	*****	*****	1,714,588	*****	129,722.3
45-64 years	78	78	595,587	1.31	45,080.9
65-74 years	*****	*****	22,328	*****	1,681.3
75-84 years	*****	*****	15,086	*****	1,139.3
≥ 85 years	*****	*****	6,217	*****	469.1
<i>2015, March</i>					
18-44 years	*****	*****	1,782,050	*****	149,080.3
45-64 years	67	67	630,570	1.06	52,788.6
65-74 years	*****	*****	22,430	*****	1,870.0
75-84 years	*****	*****	15,026	*****	1,253.1
≥ 85 years	*****	*****	6,160	*****	514.7
<i>2015, April</i>					
18-44 years	*****	*****	1,818,435	*****	147,288.1
45-64 years	69	69	648,968	1.06	52,595.0
65-74 years	*****	*****	22,765	*****	1,834.1
75-84 years	*****	*****	15,161	*****	1,223.2
≥ 85 years	*****	*****	6,213	*****	503.2
<i>2015, May</i>					
18-44 years	*****	*****	1,835,669	*****	153,591.4
45-64 years	75	75	655,386	1.14	54,849.9
65-74 years	*****	*****	23,048	*****	1,913.4

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	15,275	*****	1,271.1
≥ 85 years	*****	*****	6,241	*****	521.1
<i>2015, June</i>					
18-44 years	32	32	1,846,462	0.17	149,581.9
45-64 years	75	75	658,900	1.14	53,378.3
65-74 years	*****	*****	23,264	*****	1,869.1
75-84 years	*****	*****	15,272	*****	1,231.0
≥ 85 years	0	0	6,287	0.00	507.7
<i>2015, July</i>					
18-44 years	*****	*****	1,865,188	*****	156,042.0
45-64 years	58	58	664,374	0.87	55,595.4
65-74 years	*****	*****	23,603	*****	1,959.4
75-84 years	*****	*****	15,347	*****	1,280.0
≥ 85 years	0	0	6,356	0.00	530.7
<i>2015, August</i>					
18-44 years	26	26	1,882,257	0.14	157,496.4
45-64 years	62	62	670,470	0.92	56,117.1
65-74 years	*****	*****	23,842	*****	1,980.4
75-84 years	*****	*****	15,421	*****	1,287.3
≥ 85 years	*****	*****	6,432	*****	537.7
<i>2015, September</i>					
18-44 years	*****	*****	1,891,909	*****	153,215.7
45-64 years	77	77	675,492	1.14	54,695.3
65-74 years	*****	*****	24,076	*****	1,934.4
75-84 years	*****	*****	15,583	*****	1,258.5
≥ 85 years	0	0	6,496	0.00	525.9
<i>2015, October</i>					
18-44 years	*****	*****	1,901,720	*****	158,645.7
45-64 years	83	83	680,922	1.22	56,822.1
65-74 years	*****	*****	24,274	*****	2,015.5
75-84 years	*****	*****	15,738	*****	1,310.8
≥ 85 years	0	0	6,548	0.00	546.6
<i>2015, November</i>					
18-44 years	*****	*****	1,900,620	*****	153,751.6
45-64 years	83	83	685,975	1.21	55,495.9
65-74 years	*****	*****	24,558	*****	1,974.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	15,744	*****	1,271.7
≥ 85 years	*****	*****	6,542	*****	530.1
<i>2015, December</i>					
18-44 years	*****	*****	1,919,209	*****	160,366.3
45-64 years	77	77	698,604	1.10	58,381.8
65-74 years	*****	*****	24,859	*****	2,064.1
75-84 years	*****	*****	15,818	*****	1,319.0
≥ 85 years	*****	*****	6,542	*****	547.2
<i>2016, January</i>					
18-44 years	*****	*****	2,946,310	*****	245,381.1
45-64 years	167	167	1,047,361	1.59	87,209.2
65-74 years	*****	*****	30,933	*****	2,560.0
75-84 years	*****	*****	15,285	*****	1,275.8
≥ 85 years	0	0	6,795	0.00	567.7
<i>2016, February</i>					
18-44 years	*****	*****	3,086,691	*****	233,231.3
45-64 years	142	142	1,095,770	1.30	83,030.3
65-74 years	*****	*****	32,349	*****	2,441.6
75-84 years	*****	*****	15,811	*****	1,200.5
≥ 85 years	*****	*****	7,053	*****	534.9
<i>2016, March</i>					
18-44 years	65	65	3,123,311	0.21	251,408.5
45-64 years	147	147	1,107,376	1.33	89,589.2
65-74 years	*****	*****	32,768	*****	2,639.6
75-84 years	*****	*****	15,958	*****	1,297.2
≥ 85 years	*****	*****	7,077	*****	578.6
<i>2016, April</i>					
18-44 years	52	52	3,121,999	0.17	244,902.6
45-64 years	153	153	1,106,876	1.38	87,254.9
65-74 years	*****	*****	32,693	*****	2,558.6
75-84 years	*****	*****	16,052	*****	1,262.9
≥ 85 years	0	0	7,114	0.00	562.9
<i>2016, May</i>					
18-44 years	*****	*****	3,135,856	*****	254,160.2
45-64 years	119	119	1,110,569	1.07	90,461.7
65-74 years	*****	*****	32,470	*****	2,617.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	16,241	*****	1,317.5
≥ 85 years	0	0	7,177	0.00	586.1
<i>2016, June</i>					
18-44 years	*****	*****	3,162,610	*****	247,569.9
45-64 years	113	113	1,118,979	1.01	88,061.5
65-74 years	*****	*****	32,886	*****	2,563.1
75-84 years	*****	*****	16,374	*****	1,287.7
≥ 85 years	0	0	7,225	0.00	571.6
<i>2016, July</i>					
18-44 years	*****	*****	3,191,517	*****	258,204.1
45-64 years	123	123	1,126,555	1.09	91,791.8
65-74 years	*****	*****	33,346	*****	2,693.1
75-84 years	*****	*****	16,571	*****	1,348.4
≥ 85 years	*****	*****	7,248	*****	594.8
<i>2016, August</i>					
18-44 years	*****	*****	3,216,387	*****	260,535.8
45-64 years	144	144	1,134,751	1.27	92,386.5
65-74 years	*****	*****	33,689	*****	2,711.6
75-84 years	0	0	16,689	0.00	1,357.5
≥ 85 years	*****	*****	7,311	*****	595.9
<i>2016, September</i>					
18-44 years	*****	*****	3,232,623	*****	253,851.3
45-64 years	136	136	1,141,209	1.19	90,058.8
65-74 years	*****	*****	34,267	*****	2,676.5
75-84 years	*****	*****	16,881	*****	1,327.0
≥ 85 years	0	0	7,334	0.00	580.8
<i>2016, October</i>					
18-44 years	*****	*****	3,260,709	*****	264,456.5
45-64 years	121	121	1,154,080	1.05	93,832.6
65-74 years	*****	*****	34,950	*****	2,818.5
75-84 years	*****	*****	17,102	*****	1,392.1
≥ 85 years	0	0	7,372	0.00	604.3
<i>2016, November</i>					
18-44 years	*****	*****	3,296,522	*****	257,854.5
45-64 years	138	138	1,169,846	1.18	91,759.4
65-74 years	*****	*****	35,635	*****	2,778.7

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	17,262	*****	1,358.2
≥ 85 years	0	0	7,440	0.00	590.5
<i>2016, December</i>					
18-44 years	*****	*****	10,388,583	*****	288,638.6
45-64 years	129	129	4,241,591	0.30	104,439.2
65-74 years	*****	*****	138,993	*****	3,209.2
75-84 years	*****	*****	65,348	*****	1,543.3
≥ 85 years	0	0	22,498	0.00	653.0
<i>2017, January</i>					
18-44 years	150	150	9,965,610	0.15	810,932.8
45-64 years	435	435	4,111,315	1.06	335,996.8
65-74 years	18	18	131,113	1.37	10,656.2
75-84 years	*****	*****	61,369	*****	5,032.3
≥ 85 years	*****	*****	19,681	*****	1,614.2
<i>2017, February</i>					
18-44 years	126	126	9,738,163	0.13	737,512.3
45-64 years	395	395	4,034,871	0.98	305,131.7
65-74 years	22	22	128,972	1.71	9,676.1
75-84 years	*****	*****	60,612	*****	4,572.3
≥ 85 years	*****	*****	19,406	*****	1,465.6
<i>2017, March</i>					
18-44 years	152	152	9,766,689	0.16	817,816.8
45-64 years	475	475	4,042,091	1.18	337,912.1
65-74 years	20	20	121,737	1.64	10,103.5
75-84 years	*****	*****	59,014	*****	4,927.2
≥ 85 years	*****	*****	19,247	*****	1,608.7
<i>2017, April</i>					
18-44 years	141	141	9,765,071	0.14	791,654.8
45-64 years	451	451	4,036,552	1.12	326,709.1
65-74 years	25	25	122,081	2.05	9,807.4
75-84 years	*****	*****	59,098	*****	4,774.0
≥ 85 years	*****	*****	19,376	*****	1,570.2
<i>2017, May</i>					
18-44 years	158	158	9,767,006	0.16	817,981.7
45-64 years	476	476	4,035,884	1.18	337,423.6
65-74 years	26	26	122,464	2.12	10,163.9

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	59,399	*****	4,954.9
≥ 85 years	*****	*****	19,441	*****	1,624.5
<i>2017, June</i>					
18-44 years	159	159	9,766,053	0.16	791,677.2
45-64 years	417	417	4,031,100	1.03	326,315.6
65-74 years	33	33	122,615	2.69	9,853.0
75-84 years	*****	*****	59,672	*****	4,818.6
≥ 85 years	*****	*****	19,546	*****	1,580.6
<i>2017, July</i>					
18-44 years	120	120	9,871,808	0.12	826,737.4
45-64 years	336	336	4,068,876	0.83	340,444.5
65-74 years	13	13	123,265	1.05	10,230.9
75-84 years	*****	*****	59,914	*****	5,002.4
≥ 85 years	*****	*****	19,690	*****	1,648.4
<i>2017, August</i>					
18-44 years	139	139	9,906,876	0.14	829,146.0
45-64 years	369	369	4,095,389	0.90	342,276.3
65-74 years	15	15	126,616	1.18	10,499.9
75-84 years	*****	*****	61,346	*****	5,115.5
≥ 85 years	*****	*****	20,068	*****	1,678.0
<i>2017, September</i>					
18-44 years	109	109	9,889,132	0.11	801,375.7
45-64 years	362	362	4,091,004	0.88	331,081.3
65-74 years	*****	*****	127,046	*****	10,203.1
75-84 years	*****	*****	61,581	*****	4,975.1
≥ 85 years	*****	*****	20,072	*****	1,624.9
<i>2017, October</i>					
18-44 years	150	150	9,901,397	0.15	829,012.7
45-64 years	399	399	4,096,575	0.97	342,450.6
65-74 years	*****	*****	127,887	*****	10,596.7
75-84 years	*****	*****	62,025	*****	5,170.7
≥ 85 years	*****	*****	20,283	*****	1,693.2
<i>2017, November</i>					
18-44 years	105	105	9,906,204	0.11	803,046.6
45-64 years	392	392	4,107,291	0.95	332,515.2
65-74 years	*****	*****	128,577	*****	10,330.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	62,161	*****	5,022.7
≥ 85 years	0	0	20,357	0.00	1,648.5
<i>2017, December</i>					
18-44 years	123	123	9,971,351	0.12	834,693.5
45-64 years	367	367	4,135,457	0.89	345,819.4
65-74 years	14	14	129,829	1.08	10,763.4
75-84 years	*****	*****	62,591	*****	5,216.3
≥ 85 years	*****	*****	20,481	*****	1,711.3
<i>2018, January</i>					
18-44 years	161	161	10,619,595	0.15	889,409.8
45-64 years	457	457	4,542,134	1.01	379,871.4
65-74 years	16	16	143,171	1.12	11,891.7
75-84 years	*****	*****	71,944	*****	6,002.4
≥ 85 years	*****	*****	28,737	*****	2,407.7
<i>2018, February</i>					
18-44 years	145	145	10,582,126	0.14	801,574.9
45-64 years	418	418	4,524,796	0.92	342,316.5
65-74 years	*****	*****	142,934	*****	10,742.3
75-84 years	*****	*****	71,652	*****	5,411.4
≥ 85 years	*****	*****	28,559	*****	2,163.5
<i>2018, March</i>					
18-44 years	142	142	10,637,044	0.13	890,911.1
45-64 years	510	510	4,544,473	1.12	379,891.1
65-74 years	*****	*****	144,531	*****	12,005.2
75-84 years	*****	*****	71,697	*****	5,982.4
≥ 85 years	*****	*****	28,570	*****	2,394.5
<i>2018, April</i>					
18-44 years	186	186	10,589,673	0.18	858,969.2
45-64 years	494	494	4,527,565	1.09	366,570.9
65-74 years	21	21	141,389	1.49	11,368.8
75-84 years	*****	*****	70,646	*****	5,714.3
≥ 85 years	*****	*****	28,352	*****	2,299.6
<i>2018, May</i>					
18-44 years	180	180	10,591,873	0.17	887,359.9
45-64 years	521	521	4,523,194	1.15	378,213.1
65-74 years	19	19	141,637	1.34	11,764.2

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	70,735	*****	5,905.7
≥ 85 years	*****	*****	28,398	*****	2,379.9
<i>2018, June</i>					
18-44 years	155	155	10,565,264	0.15	856,816.1
45-64 years	415	415	4,510,958	0.92	365,206.2
65-74 years	*****	*****	141,673	*****	11,387.4
75-84 years	*****	*****	70,613	*****	5,711.8
≥ 85 years	*****	*****	28,505	*****	2,309.4
<i>2018, July</i>					
18-44 years	131	131	10,545,238	0.12	883,634.9
45-64 years	386	386	4,497,232	0.86	376,364.8
65-74 years	*****	*****	141,511	*****	11,743.6
75-84 years	*****	*****	70,432	*****	5,884.7
≥ 85 years	*****	*****	28,500	*****	2,389.1
<i>2018, August</i>					
18-44 years	110	110	10,544,930	0.10	883,121.8
45-64 years	357	357	4,496,083	0.79	375,964.2
65-74 years	*****	*****	141,537	*****	11,737.1
75-84 years	*****	*****	70,306	*****	5,871.1
≥ 85 years	*****	*****	28,480	*****	2,387.3
<i>2018, September</i>					
18-44 years	101	101	10,501,409	0.10	851,531.3
45-64 years	309	309	4,481,766	0.69	362,868.1
65-74 years	*****	*****	141,281	*****	11,350.9
75-84 years	*****	*****	69,998	*****	5,665.6
≥ 85 years	*****	*****	28,446	*****	2,309.6
<i>2018, October</i>					
18-44 years	137	137	10,484,624	0.13	878,289.4
45-64 years	396	396	4,480,664	0.88	374,625.2
65-74 years	*****	*****	141,800	*****	11,761.0
75-84 years	*****	*****	70,138	*****	5,853.5
≥ 85 years	*****	*****	28,604	*****	2,398.2
<i>2018, November</i>					
18-44 years	134	134	10,476,930	0.13	849,890.2
45-64 years	433	433	4,483,239	0.97	363,196.8
65-74 years	18	18	141,339	1.27	11,357.1

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	69,794	*****	5,648.0
≥ 85 years	*****	*****	28,490	*****	2,312.1
<i>2018, December</i>					
18-44 years	145	145	10,468,781	0.14	877,240.4
45-64 years	389	389	4,487,177	0.87	375,648.1
65-74 years	*****	*****	141,464	*****	11,737.0
75-84 years	*****	*****	69,585	*****	5,813.0
≥ 85 years	*****	*****	28,427	*****	2,382.1
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>					
<i>Contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	32	32	1,654,977	0.19	138,415.8
45-64 years	125	125	572,190	2.18	47,910.2
65-74 years	*****	*****	22,490	*****	1,873.6
75-84 years	*****	*****	15,423	*****	1,288.4
≥ 85 years	0	0	6,395	0.00	534.8
<i>2015, February</i>					
18-44 years	58	58	1,715,831	0.34	129,818.8
45-64 years	174	174	600,652	2.90	45,470.7
65-74 years	*****	*****	22,653	*****	1,706.4
75-84 years	*****	*****	15,333	*****	1,157.9
≥ 85 years	*****	*****	6,303	*****	475.6
<i>2015, March</i>					
18-44 years	38	38	1,783,334	0.21	149,190.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	171	171	635,659	2.69	53,221.5
65-74 years	*****	*****	22,750	*****	1,897.4
75-84 years	*****	*****	15,262	*****	1,273.5
≥ 85 years	*****	*****	6,242	*****	521.8
<i>2015, April</i>					
18-44 years	51	51	1,819,745	0.28	147,396.2
45-64 years	116	116	654,147	1.77	53,019.5
65-74 years	*****	*****	23,085	*****	1,860.3
75-84 years	*****	*****	15,405	*****	1,243.1
≥ 85 years	*****	*****	6,297	*****	510.0
<i>2015, May</i>					
18-44 years	48	48	1,836,991	0.26	153,704.6
45-64 years	199	199	660,560	3.01	55,289.6
65-74 years	*****	*****	23,374	*****	1,940.7
75-84 years	12	12	15,526	7.73	1,292.2
≥ 85 years	*****	*****	6,327	*****	528.3
<i>2015, June</i>					
18-44 years	*****	*****	1,847,796	*****	149,692.6
45-64 years	178	178	664,101	2.68	53,806.6
65-74 years	*****	*****	23,586	*****	1,895.0
75-84 years	*****	*****	15,536	*****	1,252.7
≥ 85 years	0	0	6,370	0.00	514.4
<i>2015, July</i>					
18-44 years	61	61	1,866,541	0.33	156,158.2
45-64 years	166	166	669,516	2.48	56,033.9
65-74 years	*****	*****	23,929	*****	1,986.9
75-84 years	*****	*****	15,614	*****	1,302.5
≥ 85 years	0	0	6,437	0.00	537.5
<i>2015, August</i>					
18-44 years	29	29	1,883,625	0.15	157,612.8
45-64 years	135	135	675,574	2.00	56,551.8
65-74 years	*****	*****	24,173	*****	2,008.4
75-84 years	*****	*****	15,686	*****	1,309.6
≥ 85 years	*****	*****	6,511	*****	544.5
<i>2015, September</i>					
18-44 years	31	31	1,893,252	0.16	153,328.1

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	109	109	680,529	1.60	55,113.3
65-74 years	*****	*****	24,407	*****	1,961.8
75-84 years	*****	*****	15,846	*****	1,280.5
≥ 85 years	0	0	6,576	0.00	532.4
<i>2015, October</i>					
18-44 years	40	40	1,903,077	0.21	158,762.0
45-64 years	114	114	685,951	1.66	57,251.1
65-74 years	*****	*****	24,602	*****	2,043.1
75-84 years	*****	*****	16,007	*****	1,333.6
≥ 85 years	0	0	6,628	0.00	553.4
<i>2015, November</i>					
18-44 years	34	34	1,901,970	0.18	153,863.9
45-64 years	116	116	690,973	1.68	55,907.8
65-74 years	12	12	24,892	4.82	2,001.1
75-84 years	14	14	16,016	8.74	1,294.0
≥ 85 years	0	0	6,625	0.00	536.8
<i>2015, December</i>					
18-44 years	50	50	1,920,531	0.26	160,480.1
45-64 years	166	166	703,644	2.36	58,810.1
65-74 years	*****	*****	25,191	*****	2,092.5
75-84 years	11	11	16,091	6.84	1,342.6
≥ 85 years	*****	*****	6,622	*****	553.8
<i>2016, January</i>					
18-44 years	110	110	2,948,549	0.37	245,572.6
45-64 years	335	335	1,055,939	3.17	87,932.7
65-74 years	17	17	31,406	5.41	2,599.7
75-84 years	*****	*****	15,585	*****	1,301.2
≥ 85 years	*****	*****	6,875	*****	574.5
<i>2016, February</i>					
18-44 years	103	103	3,089,038	0.33	233,415.7
45-64 years	325	325	1,104,572	2.94	83,715.9
65-74 years	*****	*****	32,832	*****	2,479.6
75-84 years	23	23	16,119	14.27	1,224.4
≥ 85 years	*****	*****	7,134	*****	541.2
<i>2016, March</i>					
18-44 years	99	99	3,125,697	0.32	251,607.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	322	322	1,116,241	2.88	90,329.1
65-74 years	*****	*****	33,261	*****	2,679.6
75-84 years	18	18	16,261	11.07	1,322.5
≥ 85 years	*****	*****	7,159	*****	585.6
<i>2016, April</i>					
18-44 years	120	120	3,124,400	0.38	245,097.3
45-64 years	338	338	1,115,738	3.03	87,974.3
65-74 years	22	22	33,185	6.63	2,598.5
75-84 years	*****	*****	16,348	*****	1,287.2
≥ 85 years	*****	*****	7,203	*****	569.9
<i>2016, May</i>					
18-44 years	134	134	3,138,283	0.43	254,362.6
45-64 years	419	419	1,119,425	3.74	91,205.5
65-74 years	27	27	32,967	8.19	2,658.5
75-84 years	*****	*****	16,542	*****	1,342.8
≥ 85 years	*****	*****	7,264	*****	593.2
<i>2016, June</i>					
18-44 years	100	100	3,165,062	0.32	247,767.8
45-64 years	335	335	1,127,887	2.97	88,780.9
65-74 years	*****	*****	33,386	*****	2,602.9
75-84 years	16	16	16,685	9.59	1,312.4
≥ 85 years	*****	*****	7,316	*****	579.0
<i>2016, July</i>					
18-44 years	108	108	3,194,015	0.34	258,411.7
45-64 years	315	315	1,135,504	2.77	92,538.4
65-74 years	22	22	33,844	6.50	2,734.1
75-84 years	*****	*****	16,893	*****	1,374.6
≥ 85 years	*****	*****	7,341	*****	602.6
<i>2016, August</i>					
18-44 years	129	129	3,218,925	0.40	260,748.3
45-64 years	336	336	1,143,756	2.94	93,139.4
65-74 years	19	19	34,192	5.56	2,753.3
75-84 years	*****	*****	17,022	*****	1,384.3
≥ 85 years	*****	*****	7,402	*****	603.8
<i>2016, September</i>					
18-44 years	105	105	3,235,220	0.32	254,059.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	316	316	1,150,330	2.75	90,794.5
65-74 years	20	20	34,793	5.75	2,717.0
75-84 years	*****	*****	17,219	*****	1,354.1
≥ 85 years	*****	*****	7,426	*****	588.2
<i>2016, October</i>					
18-44 years	100	100	3,263,303	0.31	264,672.9
45-64 years	299	299	1,163,363	2.57	94,602.7
65-74 years	*****	*****	35,482	*****	2,862.8
75-84 years	*****	*****	17,442	*****	1,420.0
≥ 85 years	*****	*****	7,468	*****	612.1
<i>2016, November</i>					
18-44 years	106	106	3,299,148	0.32	258,066.8
45-64 years	284	284	1,179,215	2.41	92,516.0
65-74 years	*****	*****	36,198	*****	2,823.0
75-84 years	*****	*****	17,601	*****	1,385.0
≥ 85 years	0	0	7,537	0.00	598.2
<i>2016, December</i>					
18-44 years	91	91	10,397,468	0.09	288,878.6
45-64 years	295	295	4,278,158	0.69	105,307.0
65-74 years	*****	*****	141,150	*****	3,261.0
75-84 years	*****	*****	66,683	*****	1,574.5
≥ 85 years	*****	*****	22,844	*****	661.6
<i>2017, January</i>					
18-44 years	541	541	9,974,417	0.54	811,667.3
45-64 years	1,839	1,839	4,147,391	4.43	338,998.2
65-74 years	109	109	133,242	8.18	10,832.0
75-84 years	64	64	62,699	10.21	5,143.5
≥ 85 years	15	15	20,027	7.49	1,642.9
<i>2017, February</i>					
18-44 years	507	507	9,746,950	0.52	738,190.8
45-64 years	1,688	1,688	4,071,029	4.15	307,909.9
65-74 years	86	86	131,110	6.56	9,839.4
75-84 years	39	39	61,958	6.29	4,675.4
≥ 85 years	15	15	19,756	7.59	1,492.3
<i>2017, March</i>					
18-44 years	489	489	9,775,650	0.50	818,582.4



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	1,758	1,758	4,078,866	4.31	341,043.0
65-74 years	95	95	123,902	7.67	10,285.7
75-84 years	60	60	60,410	9.93	5,045.6
≥ 85 years	11	11	19,597	5.61	1,638.1
<i>2017, April</i>					
18-44 years	406	406	9,774,118	0.42	792,406.8
45-64 years	1,502	1,502	4,073,824	3.69	329,780.0
65-74 years	73	73	124,299	5.87	9,988.7
75-84 years	51	51	60,517	8.43	4,891.2
≥ 85 years	14	14	19,738	7.09	1,599.6
<i>2017, May</i>					
18-44 years	488	488	9,776,164	0.50	818,769.5
45-64 years	1,471	1,471	4,073,653	3.61	340,639.6
65-74 years	101	101	124,739	8.10	10,356.7
75-84 years	53	53	60,837	8.71	5,077.3
≥ 85 years	21	21	19,822	10.59	1,656.7
<i>2017, June</i>					
18-44 years	455	455	9,775,399	0.47	792,450.3
45-64 years	1,536	1,536	4,069,450	3.77	329,466.1
65-74 years	106	106	124,960	8.48	10,045.1
75-84 years	50	50	61,140	8.18	4,939.0
≥ 85 years	16	16	19,936	8.03	1,612.6
<i>2017, July</i>					
18-44 years	458	458	9,881,471	0.46	827,561.0
45-64 years	1,743	1,743	4,107,767	4.24	343,753.6
65-74 years	129	129	125,682	10.26	10,434.6
75-84 years	72	72	61,411	11.72	5,128.8
≥ 85 years	18	18	20,093	8.96	1,682.4
<i>2017, August</i>					
18-44 years	454	454	9,916,601	0.46	829,976.4
45-64 years	1,678	1,678	4,134,900	4.06	345,634.2
65-74 years	120	120	129,082	9.30	10,708.3
75-84 years	70	70	62,889	11.13	5,246.6
≥ 85 years	15	15	20,489	7.32	1,713.1
<i>2017, September</i>					
18-44 years	387	387	9,898,953	0.39	802,185.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	1,425	1,425	4,131,047	3.45	334,369.5
65-74 years	87	87	129,526	6.72	10,405.8
75-84 years	62	62	63,152	9.82	5,104.0
≥ 85 years	12	12	20,504	5.85	1,660.4
<i>2017, October</i>					
18-44 years	400	400	9,911,285	0.40	829,860.1
45-64 years	1,419	1,419	4,137,101	3.43	345,893.9
65-74 years	82	82	130,408	6.29	10,808.3
75-84 years	51	51	63,632	8.01	5,306.2
≥ 85 years	18	18	20,718	8.69	1,730.2
<i>2017, November</i>					
18-44 years	410	410	9,916,260	0.41	803,875.9
45-64 years	1,322	1,322	4,148,595	3.19	335,906.7
65-74 years	78	78	131,133	5.95	10,539.5
75-84 years	49	49	63,771	7.68	5,154.6
≥ 85 years	17	17	20,796	8.17	1,684.5
<i>2017, December</i>					
18-44 years	365	365	9,981,525	0.37	835,565.5
45-64 years	1,163	1,163	4,177,388	2.78	349,379.9
65-74 years	75	75	132,408	5.66	10,979.8
75-84 years	*****	*****	64,228	*****	5,355.1
≥ 85 years	*****	*****	20,927	*****	1,748.7
<i>2018, January</i>					
18-44 years	445	445	10,629,491	0.42	890,254.8
45-64 years	1,505	1,505	4,584,557	3.28	383,476.7
65-74 years	77	77	145,694	5.29	12,104.1
75-84 years	47	47	73,574	6.39	6,140.4
≥ 85 years	11	11	29,186	3.77	2,445.4
<i>2018, February</i>					
18-44 years	422	422	10,592,202	0.40	802,354.4
45-64 years	1,455	1,455	4,567,886	3.19	345,626.0
65-74 years	73	73	145,489	5.02	10,936.8
75-84 years	*****	*****	73,309	*****	5,538.2
≥ 85 years	*****	*****	29,010	*****	2,198.1
<i>2018, March</i>					
18-44 years	456	456	10,647,327	0.43	891,791.2

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	1,491	1,491	4,588,376	3.25	383,628.1
65-74 years	88	88	147,131	5.98	12,223.7
75-84 years	*****	*****	73,347	*****	6,122.4
≥ 85 years	*****	*****	29,029	*****	2,433.0
<i>2018, April</i>					
18-44 years	435	435	10,600,102	0.41	859,837.1
45-64 years	1,428	1,428	4,572,016	3.12	370,233.6
65-74 years	94	94	143,988	6.53	11,581.5
75-84 years	56	56	72,304	7.75	5,850.3
≥ 85 years	17	17	28,814	5.90	2,337.3
<i>2018, May</i>					
18-44 years	444	444	10,602,523	0.42	888,274.2
45-64 years	1,513	1,513	4,568,170	3.31	382,042.4
65-74 years	104	104	144,274	7.21	11,987.7
75-84 years	57	57	72,411	7.87	6,047.8
≥ 85 years	13	13	28,870	4.50	2,419.8
<i>2018, June</i>					
18-44 years	445	445	10,576,090	0.42	857,711.3
45-64 years	1,422	1,422	4,556,623	3.12	368,956.2
65-74 years	81	81	144,354	5.61	11,607.2
75-84 years	53	53	72,289	7.33	5,849.0
≥ 85 years	15	15	28,986	5.17	2,348.7
<i>2018, July</i>					
18-44 years	231	231	10,556,205	0.22	884,568.7
45-64 years	852	852	4,543,255	1.88	380,261.9
65-74 years	54	54	144,230	3.74	11,971.9
75-84 years	*****	*****	72,111	*****	6,026.8
≥ 85 years	*****	*****	28,992	*****	2,430.4
<i>2018, August</i>					
18-44 years	77	77	10,555,889	0.07	884,046.2
45-64 years	287	287	4,541,982	0.63	379,834.1
65-74 years	*****	*****	144,245	*****	11,963.3
75-84 years	*****	*****	71,987	*****	6,012.1
≥ 85 years	*****	*****	28,981	*****	2,428.7
<i>2018, September</i>					
18-44 years	72	72	10,512,173	0.07	852,409.1

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	359	359	4,527,238	0.79	366,571.9
65-74 years	31	31	143,978	2.15	11,569.2
75-84 years	*****	*****	71,650	*****	5,799.8
≥ 85 years	*****	*****	28,939	*****	2,350.0
<i>2018, October</i>					
18-44 years	113	113	10,495,199	0.11	879,184.4
45-64 years	492	492	4,525,830	1.09	378,432.7
65-74 years	26	26	144,498	1.80	11,985.8
75-84 years	*****	*****	71,777	*****	5,992.1
≥ 85 years	*****	*****	29,096	*****	2,439.5
<i>2018, November</i>					
18-44 years	135	135	10,487,414	0.13	850,749.9
45-64 years	548	548	4,528,205	1.21	366,882.2
65-74 years	32	32	144,011	2.22	11,575.6
75-84 years	*****	*****	71,429	*****	5,781.3
≥ 85 years	*****	*****	28,990	*****	2,352.5
<i>2018, December</i>					
18-44 years	113	113	10,479,199	0.11	878,124.6
45-64 years	411	411	4,532,079	0.91	379,449.9
65-74 years	24	24	144,144	1.67	11,961.9
75-84 years	*****	*****	71,191	*****	5,948.9
≥ 85 years	*****	*****	28,921	*****	2,423.6
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>					
<i>Contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2015, January</i>					
18-44 years	*****	*****	1,653,767	*****	138,312.6
45-64 years	*****	*****	567,254	*****	47,494.9
65-74 years	*****	*****	22,159	*****	1,846.3
75-84 years	0	0	15,184	0.00	1,268.4
≥ 85 years	0	0	6,308	0.00	527.5
<i>2015, February</i>					
18-44 years	*****	*****	1,714,588	*****	129,722.3
45-64 years	30	30	595,587	0.50	45,080.9
65-74 years	*****	*****	22,328	*****	1,681.3
75-84 years	*****	*****	15,086	*****	1,139.3
≥ 85 years	*****	*****	6,217	*****	469.1
<i>2015, March</i>					
18-44 years	*****	*****	1,782,050	*****	149,080.3
45-64 years	35	35	630,570	0.56	52,788.6
65-74 years	*****	*****	22,430	*****	1,870.0
75-84 years	0	0	15,026	0.00	1,253.1
≥ 85 years	0	0	6,160	0.00	514.7
<i>2015, April</i>					
18-44 years	*****	*****	1,818,435	*****	147,288.1
45-64 years	25	25	648,968	0.39	52,595.0
65-74 years	*****	*****	22,765	*****	1,834.1
75-84 years	0	0	15,161	0.00	1,223.2
≥ 85 years	0	0	6,213	0.00	503.2
<i>2015, May</i>					
18-44 years	*****	*****	1,835,669	*****	153,591.4
45-64 years	37	37	655,386	0.56	54,849.9
65-74 years	0	0	23,048	0.00	1,913.4
75-84 years	*****	*****	15,275	*****	1,271.1
≥ 85 years	0	0	6,241	0.00	521.1
<i>2015, June</i>					
18-44 years	*****	*****	1,846,462	*****	149,581.9
45-64 years	33	33	658,900	0.50	53,378.3
65-74 years	*****	*****	23,264	*****	1,869.1
75-84 years	*****	*****	15,272	*****	1,231.0
≥ 85 years	0	0	6,287	0.00	507.7

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2015, July</i>					
18-44 years	*****	*****	1,865,188	*****	156,042.0
45-64 years	36	36	664,374	0.54	55,595.4
65-74 years	*****	*****	23,603	*****	1,959.4
75-84 years	*****	*****	15,347	*****	1,280.0
≥ 85 years	0	0	6,356	0.00	530.7
<i>2015, August</i>					
18-44 years	*****	*****	1,882,257	*****	157,496.4
45-64 years	30	30	670,470	0.45	56,117.1
65-74 years	0	0	23,842	0.00	1,980.4
75-84 years	0	0	15,421	0.00	1,287.3
≥ 85 years	*****	*****	6,432	*****	537.7
<i>2015, September</i>					
18-44 years	*****	*****	1,891,909	*****	153,215.7
45-64 years	30	30	675,492	0.44	54,695.3
65-74 years	*****	*****	24,076	*****	1,934.4
75-84 years	*****	*****	15,583	*****	1,258.5
≥ 85 years	0	0	6,496	0.00	525.9
<i>2015, October</i>					
18-44 years	*****	*****	1,901,720	*****	158,645.7
45-64 years	35	35	680,922	0.51	56,822.1
65-74 years	*****	*****	24,274	*****	2,015.5
75-84 years	*****	*****	15,738	*****	1,310.8
≥ 85 years	0	0	6,548	0.00	546.6
<i>2015, November</i>					
18-44 years	*****	*****	1,900,620	*****	153,751.6
45-64 years	32	32	685,975	0.47	55,495.9
65-74 years	*****	*****	24,558	*****	1,974.0
75-84 years	*****	*****	15,744	*****	1,271.7
≥ 85 years	0	0	6,542	0.00	530.1
<i>2015, December</i>					
18-44 years	*****	*****	1,919,209	*****	160,366.3
45-64 years	43	43	698,604	0.62	58,381.8
65-74 years	*****	*****	24,859	*****	2,064.1
75-84 years	*****	*****	15,818	*****	1,319.0
≥ 85 years	0	0	6,542	0.00	547.2

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2016, January</i>					
18-44 years	*****	*****	2,946,310	*****	245,381.1
45-64 years	71	71	1,047,361	0.68	87,209.2
65-74 years	*****	*****	30,933	*****	2,560.0
75-84 years	*****	*****	15,285	*****	1,275.8
≥ 85 years	*****	*****	6,795	*****	567.7
<i>2016, February</i>					
18-44 years	*****	*****	3,086,691	*****	233,231.3
45-64 years	73	73	1,095,770	0.67	83,030.3
65-74 years	*****	*****	32,349	*****	2,441.6
75-84 years	*****	*****	15,811	*****	1,200.5
≥ 85 years	*****	*****	7,053	*****	534.9
<i>2016, March</i>					
18-44 years	*****	*****	3,123,311	*****	251,408.5
45-64 years	89	89	1,107,376	0.80	89,589.2
65-74 years	*****	*****	32,768	*****	2,639.6
75-84 years	*****	*****	15,958	*****	1,297.2
≥ 85 years	*****	*****	7,077	*****	578.6
<i>2016, April</i>					
18-44 years	*****	*****	3,121,999	*****	244,902.6
45-64 years	82	82	1,106,876	0.74	87,254.9
65-74 years	*****	*****	32,693	*****	2,558.6
75-84 years	*****	*****	16,052	*****	1,262.9
≥ 85 years	0	0	7,114	0.00	562.9
<i>2016, May</i>					
18-44 years	*****	*****	3,135,856	*****	254,160.2
45-64 years	93	93	1,110,569	0.84	90,461.7
65-74 years	*****	*****	32,470	*****	2,617.6
75-84 years	*****	*****	16,241	*****	1,317.5
≥ 85 years	*****	*****	7,177	*****	586.1
<i>2016, June</i>					
18-44 years	*****	*****	3,162,610	*****	247,569.9
45-64 years	85	85	1,118,979	0.76	88,061.5
65-74 years	*****	*****	32,886	*****	2,563.1
75-84 years	*****	*****	16,374	*****	1,287.7
≥ 85 years	*****	*****	7,225	*****	571.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2016, July</i>					
18-44 years	41	41	3,191,517	0.13	258,204.1
45-64 years	86	86	1,126,555	0.76	91,791.8
65-74 years	*****	*****	33,346	*****	2,693.1
75-84 years	*****	*****	16,571	*****	1,348.4
≥ 85 years	*****	*****	7,248	*****	594.8
<i>2016, August</i>					
18-44 years	*****	*****	3,216,387	*****	260,535.8
45-64 years	111	111	1,134,751	0.98	92,386.5
65-74 years	*****	*****	33,689	*****	2,711.6
75-84 years	0	0	16,689	0.00	1,357.5
≥ 85 years	*****	*****	7,311	*****	595.9
<i>2016, September</i>					
18-44 years	*****	*****	3,232,623	*****	253,851.3
45-64 years	115	115	1,141,209	1.01	90,058.8
65-74 years	*****	*****	34,267	*****	2,676.5
75-84 years	*****	*****	16,881	*****	1,327.0
≥ 85 years	*****	*****	7,334	*****	580.8
<i>2016, October</i>					
18-44 years	50	50	3,260,709	0.15	264,456.5
45-64 years	98	98	1,154,080	0.85	93,832.6
65-74 years	*****	*****	34,950	*****	2,818.5
75-84 years	*****	*****	17,102	*****	1,392.1
≥ 85 years	*****	*****	7,372	*****	604.3
<i>2016, November</i>					
18-44 years	*****	*****	3,296,522	*****	257,854.5
45-64 years	121	121	1,169,846	1.03	91,759.4
65-74 years	*****	*****	35,635	*****	2,778.7
75-84 years	*****	*****	17,262	*****	1,358.2
≥ 85 years	0	0	7,440	0.00	590.5
<i>2016, December</i>					
18-44 years	*****	*****	10,388,583	*****	288,638.6
45-64 years	119	119	4,241,591	0.28	104,439.2
65-74 years	*****	*****	138,993	*****	3,209.2
75-84 years	*****	*****	65,348	*****	1,543.3
≥ 85 years	*****	*****	22,498	*****	653.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2017, January</i>					
18-44 years	215	215	9,965,610	0.22	810,932.8
45-64 years	666	666	4,111,315	1.62	335,996.8
65-74 years	39	39	131,113	2.97	10,656.2
75-84 years	*****	*****	61,369	*****	5,032.3
≥ 85 years	*****	*****	19,681	*****	1,614.2
<i>2017, February</i>					
18-44 years	209	209	9,738,163	0.21	737,512.3
45-64 years	590	590	4,034,871	1.46	305,131.7
65-74 years	39	39	128,972	3.02	9,676.1
75-84 years	*****	*****	60,612	*****	4,572.3
≥ 85 years	*****	*****	19,406	*****	1,465.6
<i>2017, March</i>					
18-44 years	220	220	9,766,689	0.23	817,816.8
45-64 years	669	669	4,042,091	1.66	337,912.1
65-74 years	30	30	121,737	2.46	10,103.5
75-84 years	*****	*****	59,014	*****	4,927.2
≥ 85 years	*****	*****	19,247	*****	1,608.7
<i>2017, April</i>					
18-44 years	217	217	9,765,071	0.22	791,654.8
45-64 years	640	640	4,036,552	1.59	326,709.1
65-74 years	33	33	122,081	2.70	9,807.4
75-84 years	*****	*****	59,098	*****	4,774.0
≥ 85 years	*****	*****	19,376	*****	1,570.2
<i>2017, May</i>					
18-44 years	263	263	9,767,006	0.27	817,981.7
45-64 years	616	616	4,035,884	1.53	337,423.6
65-74 years	37	37	122,464	3.02	10,163.9
75-84 years	*****	*****	59,399	*****	4,954.9
≥ 85 years	*****	*****	19,441	*****	1,624.5
<i>2017, June</i>					
18-44 years	224	224	9,766,053	0.23	791,677.2
45-64 years	574	574	4,031,100	1.42	326,315.6
65-74 years	38	38	122,615	3.10	9,853.0
75-84 years	*****	*****	59,672	*****	4,818.6
≥ 85 years	*****	*****	19,546	*****	1,580.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2017, July</i>					
18-44 years	207	207	9,871,808	0.21	826,737.4
45-64 years	570	570	4,068,876	1.40	340,444.5
65-74 years	42	42	123,265	3.41	10,230.9
75-84 years	*****	*****	59,914	*****	5,002.4
≥ 85 years	*****	*****	19,690	*****	1,648.4
<i>2017, August</i>					
18-44 years	217	217	9,906,876	0.22	829,146.0
45-64 years	632	632	4,095,389	1.54	342,276.3
65-74 years	38	38	126,616	3.00	10,499.9
75-84 years	*****	*****	61,346	*****	5,115.5
≥ 85 years	*****	*****	20,068	*****	1,678.0
<i>2017, September</i>					
18-44 years	216	216	9,889,132	0.22	801,375.7
45-64 years	603	603	4,091,004	1.47	331,081.3
65-74 years	31	31	127,046	2.44	10,203.1
75-84 years	*****	*****	61,581	*****	4,975.1
≥ 85 years	*****	*****	20,072	*****	1,624.9
<i>2017, October</i>					
18-44 years	258	258	9,901,397	0.26	829,012.7
45-64 years	685	685	4,096,575	1.67	342,450.6
65-74 years	38	38	127,887	2.97	10,596.7
75-84 years	*****	*****	62,025	*****	5,170.7
≥ 85 years	*****	*****	20,283	*****	1,693.2
<i>2017, November</i>					
18-44 years	257	257	9,906,204	0.26	803,046.6
45-64 years	642	642	4,107,291	1.56	332,515.2
65-74 years	39	39	128,577	3.03	10,330.8
75-84 years	*****	*****	62,161	*****	5,022.7
≥ 85 years	*****	*****	20,357	*****	1,648.5
<i>2017, December</i>					
18-44 years	233	233	9,971,351	0.23	834,693.5
45-64 years	604	604	4,135,457	1.46	345,819.4
65-74 years	33	33	129,829	2.54	10,763.4
75-84 years	*****	*****	62,591	*****	5,216.3
≥ 85 years	*****	*****	20,481	*****	1,711.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2018, January</i>					
18-44 years	269	269	10,619,595	0.25	889,409.8
45-64 years	766	766	4,542,134	1.69	379,871.4
65-74 years	36	36	143,171	2.51	11,891.7
75-84 years	*****	*****	71,944	*****	6,002.4
≥ 85 years	*****	*****	28,737	*****	2,407.7
<i>2018, February</i>					
18-44 years	263	263	10,582,126	0.25	801,574.9
45-64 years	763	763	4,524,796	1.69	342,316.5
65-74 years	36	36	142,934	2.52	10,742.3
75-84 years	*****	*****	71,652	*****	5,411.4
≥ 85 years	*****	*****	28,559	*****	2,163.5
<i>2018, March</i>					
18-44 years	308	308	10,637,044	0.29	890,911.1
45-64 years	848	848	4,544,473	1.87	379,891.1
65-74 years	48	48	144,531	3.32	12,005.2
75-84 years	*****	*****	71,697	*****	5,982.4
≥ 85 years	*****	*****	28,570	*****	2,394.5
<i>2018, April</i>					
18-44 years	311	311	10,589,673	0.29	858,969.2
45-64 years	800	800	4,527,565	1.77	366,570.9
65-74 years	52	52	141,389	3.68	11,368.8
75-84 years	*****	*****	70,646	*****	5,714.3
≥ 85 years	*****	*****	28,352	*****	2,299.6
<i>2018, May</i>					
18-44 years	287	287	10,591,873	0.27	887,359.9
45-64 years	828	828	4,523,194	1.83	378,213.1
65-74 years	62	62	141,637	4.38	11,764.2
75-84 years	*****	*****	70,735	*****	5,905.7
≥ 85 years	*****	*****	28,398	*****	2,379.9
<i>2018, June</i>					
18-44 years	279	279	10,565,264	0.26	856,816.1
45-64 years	757	757	4,510,958	1.68	365,206.2
65-74 years	41	41	141,673	2.89	11,387.4
75-84 years	*****	*****	70,613	*****	5,711.8
≥ 85 years	*****	*****	28,505	*****	2,309.4



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2018, July</i>					
18-44 years	138	138	10,545,238	0.13	883,634.9
45-64 years	380	380	4,497,232	0.84	376,364.8
65-74 years	25	25	141,511	1.77	11,743.6
75-84 years	*****	*****	70,432	*****	5,884.7
≥ 85 years	*****	*****	28,500	*****	2,389.1
<i>2018, August</i>					
18-44 years	*****	*****	10,544,930	*****	883,121.8
45-64 years	89	89	4,496,083	0.20	375,964.2
65-74 years	*****	*****	141,537	*****	11,737.1
75-84 years	*****	*****	70,306	*****	5,871.1
≥ 85 years	0	0	28,480	0.00	2,387.3
<i>2018, September</i>					
18-44 years	26	26	10,501,409	0.02	851,531.3
45-64 years	86	86	4,481,766	0.19	362,868.1
65-74 years	*****	*****	141,281	*****	11,350.9
75-84 years	*****	*****	69,998	*****	5,665.6
≥ 85 years	*****	*****	28,446	*****	2,309.6
<i>2018, October</i>					
18-44 years	62	62	10,484,624	0.06	878,289.4
45-64 years	158	158	4,480,664	0.35	374,625.2
65-74 years	*****	*****	141,800	*****	11,761.0
75-84 years	*****	*****	70,138	*****	5,853.5
≥ 85 years	*****	*****	28,604	*****	2,398.2
<i>2018, November</i>					
18-44 years	90	90	10,476,930	0.09	849,890.2
45-64 years	247	247	4,483,239	0.55	363,196.8
65-74 years	*****	*****	141,339	*****	11,357.1
75-84 years	*****	*****	69,794	*****	5,648.0
≥ 85 years	*****	*****	28,490	*****	2,312.1
<i>2018, December</i>					
18-44 years	62	62	10,468,781	0.06	877,240.4
45-64 years	180	180	4,487,177	0.40	375,648.1
65-74 years	*****	*****	141,464	*****	11,737.0
75-84 years	*****	*****	69,585	*****	5,813.0
≥ 85 years	*****	*****	28,427	*****	2,382.1

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>					
<i>Contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	32	32	1,654,977	0.19	138,415.8
45-64 years	125	125	572,190	2.18	47,910.2
65-74 years	*****	*****	22,490	*****	1,873.6
75-84 years	*****	*****	15,423	*****	1,288.4
≥ 85 years	0	0	6,395	0.00	534.8
<i>2015, February</i>					
18-44 years	58	58	1,715,831	0.34	129,818.8
45-64 years	174	174	600,652	2.90	45,470.7
65-74 years	*****	*****	22,653	*****	1,706.4
75-84 years	*****	*****	15,333	*****	1,157.9
≥ 85 years	*****	*****	6,303	*****	475.6
<i>2015, March</i>					
18-44 years	38	38	1,783,334	0.21	149,190.3
45-64 years	171	171	635,659	2.69	53,221.5
65-74 years	*****	*****	22,750	*****	1,897.4
75-84 years	*****	*****	15,262	*****	1,273.5
≥ 85 years	*****	*****	6,242	*****	521.8
<i>2015, April</i>					
18-44 years	51	51	1,819,745	0.28	147,396.2
45-64 years	121	121	654,147	1.85	53,019.5
65-74 years	*****	*****	23,085	*****	1,860.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	15,405	*****	1,243.1
≥ 85 years	*****	*****	6,297	*****	510.0
<i>2015, May</i>					
18-44 years	50	50	1,836,991	0.27	153,704.6
45-64 years	206	206	660,560	3.12	55,289.6
65-74 years	*****	*****	23,374	*****	1,940.7
75-84 years	12	12	15,526	7.73	1,292.2
≥ 85 years	*****	*****	6,327	*****	528.3
<i>2015, June</i>					
18-44 years	*****	*****	1,847,796	*****	149,692.6
45-64 years	189	189	664,101	2.85	53,806.6
65-74 years	*****	*****	23,586	*****	1,895.0
75-84 years	*****	*****	15,536	*****	1,252.7
≥ 85 years	0	0	6,370	0.00	514.4
<i>2015, July</i>					
18-44 years	64	64	1,866,541	0.34	156,158.2
45-64 years	177	177	669,516	2.64	56,033.9
65-74 years	*****	*****	23,929	*****	1,986.9
75-84 years	*****	*****	15,614	*****	1,302.5
≥ 85 years	0	0	6,437	0.00	537.5
<i>2015, August</i>					
18-44 years	34	34	1,883,625	0.18	157,612.8
45-64 years	147	147	675,574	2.18	56,551.8
65-74 years	*****	*****	24,173	*****	2,008.4
75-84 years	*****	*****	15,686	*****	1,309.6
≥ 85 years	*****	*****	6,511	*****	544.5
<i>2015, September</i>					
18-44 years	35	35	1,893,252	0.18	153,328.1
45-64 years	117	117	680,529	1.72	55,113.3
65-74 years	*****	*****	24,407	*****	1,961.8
75-84 years	*****	*****	15,846	*****	1,280.5
≥ 85 years	0	0	6,576	0.00	532.4
<i>2015, October</i>					
18-44 years	45	45	1,903,077	0.24	158,762.0
45-64 years	124	124	685,951	1.81	57,251.1
65-74 years	*****	*****	24,602	*****	2,043.1



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	16,007	*****	1,333.6
≥ 85 years	0	0	6,628	0.00	553.4
<i>2015, November</i>					
18-44 years	35	35	1,901,970	0.18	153,863.9
45-64 years	132	132	690,973	1.91	55,907.8
65-74 years	*****	*****	24,892	*****	2,001.1
75-84 years	15	15	16,016	9.37	1,294.0
≥ 85 years	*****	*****	6,625	*****	536.8
<i>2015, December</i>					
18-44 years	54	54	1,920,531	0.28	160,480.1
45-64 years	186	186	703,644	2.64	58,810.1
65-74 years	13	13	25,191	5.16	2,092.5
75-84 years	*****	*****	16,091	*****	1,342.6
≥ 85 years	*****	*****	6,622	*****	553.8
<i>2016, January</i>					
18-44 years	112	112	2,948,549	0.38	245,572.6
45-64 years	357	357	1,055,939	3.38	87,932.7
65-74 years	19	19	31,406	6.05	2,599.7
75-84 years	*****	*****	15,585	*****	1,301.2
≥ 85 years	*****	*****	6,875	*****	574.5
<i>2016, February</i>					
18-44 years	109	109	3,089,038	0.35	233,415.7
45-64 years	345	345	1,104,572	3.12	83,715.9
65-74 years	*****	*****	32,832	*****	2,479.6
75-84 years	26	26	16,119	16.13	1,224.4
≥ 85 years	*****	*****	7,134	*****	541.2
<i>2016, March</i>					
18-44 years	105	105	3,125,697	0.34	251,607.0
45-64 years	340	340	1,116,241	3.05	90,329.1
65-74 years	22	22	33,261	6.61	2,679.6
75-84 years	*****	*****	16,261	*****	1,322.5
≥ 85 years	*****	*****	7,159	*****	585.6
<i>2016, April</i>					
18-44 years	122	122	3,124,400	0.39	245,097.3
45-64 years	373	373	1,115,738	3.34	87,974.3
65-74 years	22	22	33,185	6.63	2,598.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	16,348	*****	1,287.2
≥ 85 years	*****	*****	7,203	*****	569.9
<i>2016, May</i>					
18-44 years	145	145	3,138,283	0.46	254,362.6
45-64 years	470	470	1,119,425	4.20	91,205.5
65-74 years	31	31	32,967	9.40	2,658.5
75-84 years	*****	*****	16,542	*****	1,342.8
≥ 85 years	*****	*****	7,264	*****	593.2
<i>2016, June</i>					
18-44 years	110	110	3,165,062	0.35	247,767.8
45-64 years	372	372	1,127,887	3.30	88,780.9
65-74 years	17	17	33,386	5.09	2,602.9
75-84 years	*****	*****	16,685	*****	1,312.4
≥ 85 years	*****	*****	7,316	*****	579.0
<i>2016, July</i>					
18-44 years	116	116	3,194,015	0.36	258,411.7
45-64 years	346	346	1,135,504	3.05	92,538.4
65-74 years	23	23	33,844	6.80	2,734.1
75-84 years	*****	*****	16,893	*****	1,374.6
≥ 85 years	*****	*****	7,341	*****	602.6
<i>2016, August</i>					
18-44 years	142	142	3,218,925	0.44	260,748.3
45-64 years	372	372	1,143,756	3.25	93,139.4
65-74 years	21	21	34,192	6.14	2,753.3
75-84 years	*****	*****	17,022	*****	1,384.3
≥ 85 years	*****	*****	7,402	*****	603.8
<i>2016, September</i>					
18-44 years	117	117	3,235,220	0.36	254,059.0
45-64 years	362	362	1,150,330	3.15	90,794.5
65-74 years	20	20	34,793	5.75	2,717.0
75-84 years	*****	*****	17,219	*****	1,354.1
≥ 85 years	*****	*****	7,426	*****	588.2
<i>2016, October</i>					
18-44 years	113	113	3,263,303	0.35	264,672.9
45-64 years	338	338	1,163,363	2.91	94,602.7
65-74 years	24	24	35,482	6.76	2,862.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	17,442	*****	1,420.0
≥ 85 years	*****	*****	7,468	*****	612.1
<i>2016, November</i>					
18-44 years	113	113	3,299,148	0.34	258,066.8
45-64 years	323	323	1,179,215	2.74	92,516.0
65-74 years	15	15	36,198	4.14	2,823.0
75-84 years	11	11	17,601	6.25	1,385.0
≥ 85 years	0	0	7,537	0.00	598.2
<i>2016, December</i>					
18-44 years	100	100	10,397,468	0.10	288,878.6
45-64 years	328	328	4,278,158	0.77	105,307.0
65-74 years	*****	*****	141,150	*****	3,261.0
75-84 years	*****	*****	66,683	*****	1,574.5
≥ 85 years	*****	*****	22,844	*****	661.6
<i>2017, January</i>					
18-44 years	548	548	9,974,417	0.55	811,667.3
45-64 years	1,889	1,889	4,147,391	4.55	338,998.2
65-74 years	113	113	133,242	8.48	10,832.0
75-84 years	65	65	62,699	10.37	5,143.5
≥ 85 years	15	15	20,027	7.49	1,642.9
<i>2017, February</i>					
18-44 years	523	523	9,746,950	0.54	738,190.8
45-64 years	1,724	1,724	4,071,029	4.23	307,909.9
65-74 years	90	90	131,110	6.86	9,839.4
75-84 years	42	42	61,958	6.78	4,675.4
≥ 85 years	15	15	19,756	7.59	1,492.3
<i>2017, March</i>					
18-44 years	496	496	9,775,650	0.51	818,582.4
45-64 years	1,799	1,799	4,078,866	4.41	341,043.0
65-74 years	96	96	123,902	7.75	10,285.7
75-84 years	60	60	60,410	9.93	5,045.6
≥ 85 years	11	11	19,597	5.61	1,638.1
<i>2017, April</i>					
18-44 years	413	413	9,774,118	0.42	792,406.8
45-64 years	1,545	1,545	4,073,824	3.79	329,780.0
65-74 years	78	78	124,299	6.28	9,988.7

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	54	54	60,517	8.92	4,891.2
≥ 85 years	14	14	19,738	7.09	1,599.6
<i>2017, May</i>					
18-44 years	504	504	9,776,164	0.52	818,769.5
45-64 years	1,522	1,522	4,073,653	3.74	340,639.6
65-74 years	103	103	124,739	8.26	10,356.7
75-84 years	56	56	60,837	9.20	5,077.3
≥ 85 years	21	21	19,822	10.59	1,656.7
<i>2017, June</i>					
18-44 years	475	475	9,775,399	0.49	792,450.3
45-64 years	1,617	1,617	4,069,450	3.97	329,466.1
65-74 years	111	111	124,960	8.88	10,045.1
75-84 years	55	55	61,140	9.00	4,939.0
≥ 85 years	16	16	19,936	8.03	1,612.6
<i>2017, July</i>					
18-44 years	475	475	9,881,471	0.48	827,561.0
45-64 years	1,836	1,836	4,107,767	4.47	343,753.6
65-74 years	132	132	125,682	10.50	10,434.6
75-84 years	77	77	61,411	12.54	5,128.8
≥ 85 years	18	18	20,093	8.96	1,682.4
<i>2017, August</i>					
18-44 years	476	476	9,916,601	0.48	829,976.4
45-64 years	1,778	1,778	4,134,900	4.30	345,634.2
65-74 years	127	127	129,082	9.84	10,708.3
75-84 years	70	70	62,889	11.13	5,246.6
≥ 85 years	18	18	20,489	8.79	1,713.1
<i>2017, September</i>					
18-44 years	411	411	9,898,953	0.42	802,185.8
45-64 years	1,514	1,514	4,131,047	3.66	334,369.5
65-74 years	91	91	129,526	7.03	10,405.8
75-84 years	66	66	63,152	10.45	5,104.0
≥ 85 years	12	12	20,504	5.85	1,660.4
<i>2017, October</i>					
18-44 years	441	441	9,911,285	0.44	829,860.1
45-64 years	1,537	1,537	4,137,101	3.72	345,893.9
65-74 years	90	90	130,408	6.90	10,808.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	56	56	63,632	8.80	5,306.2
≥ 85 years	20	20	20,718	9.65	1,730.2
<i>2017, November</i>					
18-44 years	435	435	9,916,260	0.44	803,875.9
45-64 years	1,440	1,440	4,148,595	3.47	335,906.7
65-74 years	85	85	131,133	6.48	10,539.5
75-84 years	55	55	63,771	8.62	5,154.6
≥ 85 years	20	20	20,796	9.62	1,684.5
<i>2017, December</i>					
18-44 years	387	387	9,981,525	0.39	835,565.5
45-64 years	1,281	1,281	4,177,388	3.07	349,379.9
65-74 years	76	76	132,408	5.74	10,979.8
75-84 years	*****	*****	64,228	*****	5,355.1
≥ 85 years	*****	*****	20,927	*****	1,748.7
<i>2018, January</i>					
18-44 years	467	467	10,629,491	0.44	890,254.8
45-64 years	1,635	1,635	4,584,557	3.57	383,476.7
65-74 years	82	82	145,694	5.63	12,104.1
75-84 years	52	52	73,574	7.07	6,140.4
≥ 85 years	14	14	29,186	4.80	2,445.4
<i>2018, February</i>					
18-44 years	447	447	10,592,202	0.42	802,354.4
45-64 years	1,570	1,570	4,567,886	3.44	345,626.0
65-74 years	80	80	145,489	5.50	10,936.8
75-84 years	65	65	73,309	8.87	5,538.2
≥ 85 years	12	12	29,010	4.14	2,198.1
<i>2018, March</i>					
18-44 years	472	472	10,647,327	0.44	891,791.2
45-64 years	1,649	1,649	4,588,376	3.59	383,628.1
65-74 years	92	92	147,131	6.25	12,223.7
75-84 years	*****	*****	73,347	*****	6,122.4
≥ 85 years	*****	*****	29,029	*****	2,433.0
<i>2018, April</i>					
18-44 years	465	465	10,600,102	0.44	859,837.1
45-64 years	1,560	1,560	4,572,016	3.41	370,233.6
65-74 years	106	106	143,988	7.36	11,581.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	62	62	72,304	8.57	5,850.3
≥ 85 years	17	17	28,814	5.90	2,337.3
<i>2018, May</i>					
18-44 years	476	476	10,602,523	0.45	888,274.2
45-64 years	1,694	1,694	4,568,170	3.71	382,042.4
65-74 years	111	111	144,274	7.69	11,987.7
75-84 years	61	61	72,411	8.42	6,047.8
≥ 85 years	14	14	28,870	4.85	2,419.8
<i>2018, June</i>					
18-44 years	480	480	10,576,090	0.45	857,711.3
45-64 years	1,625	1,625	4,556,623	3.57	368,956.2
65-74 years	91	91	144,354	6.30	11,607.2
75-84 years	59	59	72,289	8.16	5,849.0
≥ 85 years	17	17	28,986	5.86	2,348.7
<i>2018, July</i>					
18-44 years	259	259	10,556,205	0.25	884,568.7
45-64 years	993	993	4,543,255	2.19	380,261.9
65-74 years	62	62	144,230	4.30	11,971.9
75-84 years	*****	*****	72,111	*****	6,026.8
≥ 85 years	*****	*****	28,992	*****	2,430.4
<i>2018, August</i>					
18-44 years	90	90	10,555,889	0.09	884,046.2
45-64 years	389	389	4,541,982	0.86	379,834.1
65-74 years	25	25	144,245	1.73	11,963.3
75-84 years	*****	*****	71,987	*****	6,012.1
≥ 85 years	*****	*****	28,981	*****	2,428.7
<i>2018, September</i>					
18-44 years	97	97	10,512,173	0.09	852,409.1
45-64 years	491	491	4,527,238	1.08	366,571.9
65-74 years	33	33	143,978	2.29	11,569.2
75-84 years	*****	*****	71,650	*****	5,799.8
≥ 85 years	*****	*****	28,939	*****	2,350.0
<i>2018, October</i>					
18-44 years	143	143	10,495,199	0.14	879,184.4
45-64 years	658	658	4,525,830	1.45	378,432.7
65-74 years	36	36	144,498	2.49	11,985.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	71,777	*****	5,992.1
≥ 85 years	*****	*****	29,096	*****	2,439.5
<i>2018, November</i>					
18-44 years	165	165	10,487,414	0.16	850,749.9
45-64 years	693	693	4,528,205	1.53	366,882.2
65-74 years	42	42	144,011	2.92	11,575.6
75-84 years	*****	*****	71,429	*****	5,781.3
≥ 85 years	*****	*****	28,990	*****	2,352.5
<i>2018, December</i>					
18-44 years	140	140	10,479,199	0.13	878,124.6
45-64 years	537	537	4,532,079	1.18	379,449.9
65-74 years	37	37	144,144	2.57	11,961.9
75-84 years	*****	*****	71,191	*****	5,948.9
≥ 85 years	*****	*****	28,921	*****	2,423.6
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>					
<i>Contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	*****	*****	1,653,767	*****	138,312.6
45-64 years	*****	*****	567,254	*****	47,494.9
65-74 years	*****	*****	22,159	*****	1,846.3
75-84 years	0	0	15,184	0.00	1,268.4
≥ 85 years	0	0	6,308	0.00	527.5
<i>2015, February</i>					
18-44 years	*****	*****	1,714,588	*****	129,722.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	30	30	595,587	0.50	45,080.9
65-74 years	*****	*****	22,328	*****	1,681.3
75-84 years	*****	*****	15,086	*****	1,139.3
≥ 85 years	*****	*****	6,217	*****	469.1
<i>2015, March</i>					
18-44 years	*****	*****	1,782,050	*****	149,080.3
45-64 years	35	35	630,570	0.56	52,788.6
65-74 years	*****	*****	22,430	*****	1,870.0
75-84 years	0	0	15,026	0.00	1,253.1
≥ 85 years	0	0	6,160	0.00	514.7
<i>2015, April</i>					
18-44 years	*****	*****	1,818,435	*****	147,288.1
45-64 years	25	25	648,968	0.39	52,595.0
65-74 years	*****	*****	22,765	*****	1,834.1
75-84 years	0	0	15,161	0.00	1,223.2
≥ 85 years	0	0	6,213	0.00	503.2
<i>2015, May</i>					
18-44 years	*****	*****	1,835,669	*****	153,591.4
45-64 years	37	37	655,386	0.56	54,849.9
65-74 years	0	0	23,048	0.00	1,913.4
75-84 years	*****	*****	15,275	*****	1,271.1
≥ 85 years	0	0	6,241	0.00	521.1
<i>2015, June</i>					
18-44 years	*****	*****	1,846,462	*****	149,581.9
45-64 years	33	33	658,900	0.50	53,378.3
65-74 years	*****	*****	23,264	*****	1,869.1
75-84 years	*****	*****	15,272	*****	1,231.0
≥ 85 years	0	0	6,287	0.00	507.7
<i>2015, July</i>					
18-44 years	*****	*****	1,865,188	*****	156,042.0
45-64 years	36	36	664,374	0.54	55,595.4
65-74 years	*****	*****	23,603	*****	1,959.4
75-84 years	*****	*****	15,347	*****	1,280.0
≥ 85 years	0	0	6,356	0.00	530.7
<i>2015, August</i>					
18-44 years	*****	*****	1,882,257	*****	157,496.4

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	30	30	670,470	0.45	56,117.1
65-74 years	0	0	23,842	0.00	1,980.4
75-84 years	0	0	15,421	0.00	1,287.3
≥ 85 years	*****	*****	6,432	*****	537.7
<i>2015, September</i>					
18-44 years	*****	*****	1,891,909	*****	153,215.7
45-64 years	30	30	675,492	0.44	54,695.3
65-74 years	*****	*****	24,076	*****	1,934.4
75-84 years	*****	*****	15,583	*****	1,258.5
≥ 85 years	0	0	6,496	0.00	525.9
<i>2015, October</i>					
18-44 years	*****	*****	1,901,720	*****	158,645.7
45-64 years	35	35	680,922	0.51	56,822.1
65-74 years	*****	*****	24,274	*****	2,015.5
75-84 years	*****	*****	15,738	*****	1,310.8
≥ 85 years	0	0	6,548	0.00	546.6
<i>2015, November</i>					
18-44 years	*****	*****	1,900,620	*****	153,751.6
45-64 years	32	32	685,975	0.47	55,495.9
65-74 years	*****	*****	24,558	*****	1,974.0
75-84 years	*****	*****	15,744	*****	1,271.7
≥ 85 years	0	0	6,542	0.00	530.1
<i>2015, December</i>					
18-44 years	*****	*****	1,919,209	*****	160,366.3
45-64 years	43	43	698,604	0.62	58,381.8
65-74 years	*****	*****	24,859	*****	2,064.1
75-84 years	*****	*****	15,818	*****	1,319.0
≥ 85 years	0	0	6,542	0.00	547.2
<i>2016, January</i>					
18-44 years	*****	*****	2,946,310	*****	245,381.1
45-64 years	71	71	1,047,361	0.68	87,209.2
65-74 years	*****	*****	30,933	*****	2,560.0
75-84 years	*****	*****	15,285	*****	1,275.8
≥ 85 years	*****	*****	6,795	*****	567.7
<i>2016, February</i>					
18-44 years	*****	*****	3,086,691	*****	233,231.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	73	73	1,095,770	0.67	83,030.3
65-74 years	*****	*****	32,349	*****	2,441.6
75-84 years	*****	*****	15,811	*****	1,200.5
≥ 85 years	*****	*****	7,053	*****	534.9
<i>2016, March</i>					
18-44 years	*****	*****	3,123,311	*****	251,408.5
45-64 years	89	89	1,107,376	0.80	89,589.2
65-74 years	*****	*****	32,768	*****	2,639.6
75-84 years	*****	*****	15,958	*****	1,297.2
≥ 85 years	*****	*****	7,077	*****	578.6
<i>2016, April</i>					
18-44 years	*****	*****	3,121,999	*****	244,902.6
45-64 years	82	82	1,106,876	0.74	87,254.9
65-74 years	*****	*****	32,693	*****	2,558.6
75-84 years	*****	*****	16,052	*****	1,262.9
≥ 85 years	0	0	7,114	0.00	562.9
<i>2016, May</i>					
18-44 years	*****	*****	3,135,856	*****	254,160.2
45-64 years	93	93	1,110,569	0.84	90,461.7
65-74 years	*****	*****	32,470	*****	2,617.6
75-84 years	*****	*****	16,241	*****	1,317.5
≥ 85 years	*****	*****	7,177	*****	586.1
<i>2016, June</i>					
18-44 years	*****	*****	3,162,610	*****	247,569.9
45-64 years	85	85	1,118,979	0.76	88,061.5
65-74 years	*****	*****	32,886	*****	2,563.1
75-84 years	*****	*****	16,374	*****	1,287.7
≥ 85 years	*****	*****	7,225	*****	571.6
<i>2016, July</i>					
18-44 years	*****	*****	3,191,517	*****	258,204.1
45-64 years	86	86	1,126,555	0.76	91,791.8
65-74 years	*****	*****	33,346	*****	2,693.1
75-84 years	*****	*****	16,571	*****	1,348.4
≥ 85 years	*****	*****	7,248	*****	594.8
<i>2016, August</i>					
18-44 years	*****	*****	3,216,387	*****	260,535.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	111	111	1,134,751	0.98	92,386.5
65-74 years	*****	*****	33,689	*****	2,711.6
75-84 years	0	0	16,689	0.00	1,357.5
≥ 85 years	*****	*****	7,311	*****	595.9
<i>2016, September</i>					
18-44 years	*****	*****	3,232,623	*****	253,851.3
45-64 years	115	115	1,141,209	1.01	90,058.8
65-74 years	*****	*****	34,267	*****	2,676.5
75-84 years	*****	*****	16,881	*****	1,327.0
≥ 85 years	*****	*****	7,334	*****	580.8
<i>2016, October</i>					
18-44 years	50	50	3,260,709	0.15	264,456.5
45-64 years	98	98	1,154,080	0.85	93,832.6
65-74 years	*****	*****	34,950	*****	2,818.5
75-84 years	*****	*****	17,102	*****	1,392.1
≥ 85 years	*****	*****	7,372	*****	604.3
<i>2016, November</i>					
18-44 years	*****	*****	3,296,522	*****	257,854.5
45-64 years	121	121	1,169,846	1.03	91,759.4
65-74 years	*****	*****	35,635	*****	2,778.7
75-84 years	*****	*****	17,262	*****	1,358.2
≥ 85 years	0	0	7,440	0.00	590.5
<i>2016, December</i>					
18-44 years	*****	*****	10,388,583	*****	288,638.6
45-64 years	119	119	4,241,591	0.28	104,439.2
65-74 years	*****	*****	138,993	*****	3,209.2
75-84 years	*****	*****	65,348	*****	1,543.3
≥ 85 years	*****	*****	22,498	*****	653.0
<i>2017, January</i>					
18-44 years	215	215	9,965,610	0.22	810,932.8
45-64 years	666	666	4,111,315	1.62	335,996.8
65-74 years	39	39	131,113	2.97	10,656.2
75-84 years	*****	*****	61,369	*****	5,032.3
≥ 85 years	*****	*****	19,681	*****	1,614.2
<i>2017, February</i>					
18-44 years	209	209	9,738,163	0.21	737,512.3



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	590	590	4,034,871	1.46	305,131.7
65-74 years	39	39	128,972	3.02	9,676.1
75-84 years	*****	*****	60,612	*****	4,572.3
≥ 85 years	*****	*****	19,406	*****	1,465.6
<i>2017, March</i>					
18-44 years	220	220	9,766,689	0.23	817,816.8
45-64 years	669	669	4,042,091	1.66	337,912.1
65-74 years	30	30	121,737	2.46	10,103.5
75-84 years	*****	*****	59,014	*****	4,927.2
≥ 85 years	*****	*****	19,247	*****	1,608.7
<i>2017, April</i>					
18-44 years	217	217	9,765,071	0.22	791,654.8
45-64 years	640	640	4,036,552	1.59	326,709.1
65-74 years	33	33	122,081	2.70	9,807.4
75-84 years	*****	*****	59,098	*****	4,774.0
≥ 85 years	*****	*****	19,376	*****	1,570.2
<i>2017, May</i>					
18-44 years	263	263	9,767,006	0.27	817,981.7
45-64 years	616	616	4,035,884	1.53	337,423.6
65-74 years	37	37	122,464	3.02	10,163.9
75-84 years	*****	*****	59,399	*****	4,954.9
≥ 85 years	*****	*****	19,441	*****	1,624.5
<i>2017, June</i>					
18-44 years	224	224	9,766,053	0.23	791,677.2
45-64 years	574	574	4,031,100	1.42	326,315.6
65-74 years	38	38	122,615	3.10	9,853.0
75-84 years	*****	*****	59,672	*****	4,818.6
≥ 85 years	*****	*****	19,546	*****	1,580.6
<i>2017, July</i>					
18-44 years	207	207	9,871,808	0.21	826,737.4
45-64 years	570	570	4,068,876	1.40	340,444.5
65-74 years	42	42	123,265	3.41	10,230.9
75-84 years	*****	*****	59,914	*****	5,002.4
≥ 85 years	*****	*****	19,690	*****	1,648.4
<i>2017, August</i>					
18-44 years	217	217	9,906,876	0.22	829,146.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	632	632	4,095,389	1.54	342,276.3
65-74 years	38	38	126,616	3.00	10,499.9
75-84 years	*****	*****	61,346	*****	5,115.5
≥ 85 years	*****	*****	20,068	*****	1,678.0
<i>2017, September</i>					
18-44 years	216	216	9,889,132	0.22	801,375.7
45-64 years	603	603	4,091,004	1.47	331,081.3
65-74 years	31	31	127,046	2.44	10,203.1
75-84 years	*****	*****	61,581	*****	4,975.1
≥ 85 years	*****	*****	20,072	*****	1,624.9
<i>2017, October</i>					
18-44 years	258	258	9,901,397	0.26	829,012.7
45-64 years	685	685	4,096,575	1.67	342,450.6
65-74 years	38	38	127,887	2.97	10,596.7
75-84 years	*****	*****	62,025	*****	5,170.7
≥ 85 years	*****	*****	20,283	*****	1,693.2
<i>2017, November</i>					
18-44 years	257	257	9,906,204	0.26	803,046.6
45-64 years	642	642	4,107,291	1.56	332,515.2
65-74 years	39	39	128,577	3.03	10,330.8
75-84 years	*****	*****	62,161	*****	5,022.7
≥ 85 years	*****	*****	20,357	*****	1,648.5
<i>2017, December</i>					
18-44 years	233	233	9,971,351	0.23	834,693.5
45-64 years	604	604	4,135,457	1.46	345,819.4
65-74 years	33	33	129,829	2.54	10,763.4
75-84 years	*****	*****	62,591	*****	5,216.3
≥ 85 years	*****	*****	20,481	*****	1,711.3
<i>2018, January</i>					
18-44 years	269	269	10,619,595	0.25	889,409.8
45-64 years	766	766	4,542,134	1.69	379,871.4
65-74 years	36	36	143,171	2.51	11,891.7
75-84 years	*****	*****	71,944	*****	6,002.4
≥ 85 years	*****	*****	28,737	*****	2,407.7
<i>2018, February</i>					
18-44 years	263	263	10,582,126	0.25	801,574.9

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	763	763	4,524,796	1.69	342,316.5
65-74 years	36	36	142,934	2.52	10,742.3
75-84 years	*****	*****	71,652	*****	5,411.4
≥ 85 years	*****	*****	28,559	*****	2,163.5
<i>2018, March</i>					
18-44 years	308	308	10,637,044	0.29	890,911.1
45-64 years	848	848	4,544,473	1.87	379,891.1
65-74 years	48	48	144,531	3.32	12,005.2
75-84 years	*****	*****	71,697	*****	5,982.4
≥ 85 years	*****	*****	28,570	*****	2,394.5
<i>2018, April</i>					
18-44 years	311	311	10,589,673	0.29	858,969.2
45-64 years	800	800	4,527,565	1.77	366,570.9
65-74 years	52	52	141,389	3.68	11,368.8
75-84 years	*****	*****	70,646	*****	5,714.3
≥ 85 years	*****	*****	28,352	*****	2,299.6
<i>2018, May</i>					
18-44 years	287	287	10,591,873	0.27	887,359.9
45-64 years	828	828	4,523,194	1.83	378,213.1
65-74 years	62	62	141,637	4.38	11,764.2
75-84 years	*****	*****	70,735	*****	5,905.7
≥ 85 years	*****	*****	28,398	*****	2,379.9
<i>2018, June</i>					
18-44 years	279	279	10,565,264	0.26	856,816.1
45-64 years	757	757	4,510,958	1.68	365,206.2
65-74 years	41	41	141,673	2.89	11,387.4
75-84 years	*****	*****	70,613	*****	5,711.8
≥ 85 years	*****	*****	28,505	*****	2,309.4
<i>2018, July</i>					
18-44 years	138	138	10,545,238	0.13	883,634.9
45-64 years	380	380	4,497,232	0.84	376,364.8
65-74 years	25	25	141,511	1.77	11,743.6
75-84 years	*****	*****	70,432	*****	5,884.7
≥ 85 years	*****	*****	28,500	*****	2,389.1
<i>2018, August</i>					
18-44 years	*****	*****	10,544,930	*****	883,121.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
45-64 years	89	89	4,496,083	0.20	375,964.2
65-74 years	*****	*****	141,537	*****	11,737.1
75-84 years	*****	*****	70,306	*****	5,871.1
≥ 85 years	0	0	28,480	0.00	2,387.3
<i>2018, September</i>					
18-44 years	26	26	10,501,409	0.02	851,531.3
45-64 years	86	86	4,481,766	0.19	362,868.1
65-74 years	*****	*****	141,281	*****	11,350.9
75-84 years	*****	*****	69,998	*****	5,665.6
≥ 85 years	*****	*****	28,446	*****	2,309.6
<i>2018, October</i>					
18-44 years	62	62	10,484,624	0.06	878,289.4
45-64 years	159	159	4,480,664	0.35	374,625.2
65-74 years	*****	*****	141,800	*****	11,761.0
75-84 years	*****	*****	70,138	*****	5,853.5
≥ 85 years	*****	*****	28,604	*****	2,398.2
<i>2018, November</i>					
18-44 years	90	90	10,476,930	0.09	849,890.2
45-64 years	247	247	4,483,239	0.55	363,196.8
65-74 years	*****	*****	141,339	*****	11,357.1
75-84 years	*****	*****	69,794	*****	5,648.0
≥ 85 years	*****	*****	28,490	*****	2,312.1
<i>2018, December</i>					
18-44 years	62	62	10,468,781	0.06	877,240.4
45-64 years	180	180	4,487,177	0.40	375,648.1
65-74 years	*****	*****	141,464	*****	11,737.0
75-84 years	*****	*****	69,585	*****	5,813.0
≥ 85 years	*****	*****	28,427	*****	2,382.1

**Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan**

*Non-contaminated valsartan*

*2012, May*

18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	77	77	1,654,977	0.47	138,415.8
45-64 years	289	289	572,190	5.05	47,910.2
65-74 years	*****	*****	22,490	*****	1,873.6
75-84 years	*****	*****	15,423	*****	1,288.4
≥ 85 years	*****	*****	6,395	*****	534.8
<i>2015, February</i>					
18-44 years	79	79	1,715,831	0.46	129,818.8
45-64 years	277	277	600,652	4.61	45,470.7
65-74 years	13	13	22,653	5.74	1,706.4
75-84 years	*****	*****	15,333	*****	1,157.9
≥ 85 years	*****	*****	6,303	*****	475.6
<i>2015, March</i>					
18-44 years	90	90	1,783,334	0.50	149,190.3
45-64 years	235	235	635,659	3.70	53,221.5
65-74 years	*****	*****	22,750	*****	1,897.4
75-84 years	14	14	15,262	9.17	1,273.5
≥ 85 years	*****	*****	6,242	*****	521.8
<i>2015, April</i>					
18-44 years	75	75	1,819,745	0.41	147,396.2
45-64 years	250	250	654,147	3.82	53,019.5
65-74 years	15	15	23,085	6.50	1,860.3
75-84 years	*****	*****	15,405	*****	1,243.1
≥ 85 years	*****	*****	6,297	*****	510.0
<i>2015, May</i>					
18-44 years	71	71	1,836,991	0.39	153,704.6
45-64 years	237	237	660,560	3.59	55,289.6
65-74 years	*****	*****	23,374	*****	1,940.7
75-84 years	*****	*****	15,526	*****	1,292.2
≥ 85 years	*****	*****	6,327	*****	528.3

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2015, June</i>					
18-44 years	76	76	1,847,796	0.41	149,692.6
45-64 years	281	281	664,101	4.23	53,806.6
65-74 years	*****	*****	23,586	*****	1,895.0
75-84 years	*****	*****	15,536	*****	1,252.7
≥ 85 years	0	0	6,370	0.00	514.4
<i>2015, July</i>					
18-44 years	80	80	1,866,541	0.43	156,158.2
45-64 years	200	200	669,516	2.99	56,033.9
65-74 years	15	15	23,929	6.27	1,986.9
75-84 years	*****	*****	15,614	*****	1,302.5
≥ 85 years	*****	*****	6,437	*****	537.5
<i>2015, August</i>					
18-44 years	59	59	1,883,625	0.31	157,612.8
45-64 years	192	192	675,574	2.84	56,551.8
65-74 years	12	12	24,173	4.96	2,008.4
75-84 years	*****	*****	15,686	*****	1,309.6
≥ 85 years	*****	*****	6,511	*****	544.5
<i>2015, September</i>					
18-44 years	80	80	1,893,252	0.42	153,328.1
45-64 years	172	172	680,529	2.53	55,113.3
65-74 years	*****	*****	24,407	*****	1,961.8
75-84 years	*****	*****	15,846	*****	1,280.5
≥ 85 years	0	0	6,576	0.00	532.4
<i>2015, October</i>					
18-44 years	61	61	1,903,077	0.32	158,762.0
45-64 years	208	208	685,951	3.03	57,251.1
65-74 years	11	11	24,602	4.47	2,043.1
75-84 years	*****	*****	16,007	*****	1,333.6
≥ 85 years	*****	*****	6,628	*****	553.4
<i>2015, November</i>					
18-44 years	55	55	1,901,970	0.29	153,863.9
45-64 years	228	228	690,973	3.30	55,907.8
65-74 years	*****	*****	24,892	*****	2,001.1
75-84 years	17	17	16,016	10.61	1,294.0
≥ 85 years	*****	*****	6,625	*****	536.8

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2015, December</i>					
18-44 years	67	67	1,920,531	0.35	160,480.1
45-64 years	239	239	703,644	3.40	58,810.1
65-74 years	*****	*****	25,191	*****	2,092.5
75-84 years	17	17	16,091	10.56	1,342.6
≥ 85 years	*****	*****	6,622	*****	553.8
<i>2016, January</i>					
18-44 years	*****	*****	2,948,549	*****	245,572.6
45-64 years	444	444	1,055,939	4.20	87,932.7
65-74 years	*****	*****	31,406	*****	2,599.7
75-84 years	12	12	15,585	7.70	1,301.2
≥ 85 years	*****	*****	6,875	*****	574.5
<i>2016, February</i>					
18-44 years	146	146	3,089,038	0.47	233,415.7
45-64 years	393	393	1,104,572	3.56	83,715.9
65-74 years	*****	*****	32,832	*****	2,479.6
75-84 years	*****	*****	16,119	*****	1,224.4
≥ 85 years	*****	*****	7,134	*****	541.2
<i>2016, March</i>					
18-44 years	132	132	3,125,697	0.42	251,607.0
45-64 years	407	407	1,116,241	3.65	90,329.1
65-74 years	*****	*****	33,261	*****	2,679.6
75-84 years	*****	*****	16,261	*****	1,322.5
≥ 85 years	*****	*****	7,159	*****	585.6
<i>2016, April</i>					
18-44 years	94	94	3,124,400	0.30	245,097.3
45-64 years	348	348	1,115,738	3.12	87,974.3
65-74 years	18	18	33,185	5.42	2,598.5
75-84 years	12	12	16,348	7.34	1,287.2
≥ 85 years	0	0	7,203	0.00	569.9
<i>2016, May</i>					
18-44 years	95	95	3,138,283	0.30	254,362.6
45-64 years	315	315	1,119,425	2.81	91,205.5
65-74 years	*****	*****	32,967	*****	2,658.5
75-84 years	14	14	16,542	8.46	1,342.8
≥ 85 years	*****	*****	7,264	*****	593.2

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2016, June</i>					
18-44 years	112	112	3,165,062	0.35	247,767.8
45-64 years	311	311	1,127,887	2.76	88,780.9
65-74 years	15	15	33,386	4.49	2,602.9
75-84 years	*****	*****	16,685	*****	1,312.4
≥ 85 years	*****	*****	7,316	*****	579.0
<i>2016, July</i>					
18-44 years	94	94	3,194,015	0.29	258,411.7
45-64 years	296	296	1,135,504	2.61	92,538.4
65-74 years	14	14	33,844	4.14	2,734.1
75-84 years	*****	*****	16,893	*****	1,374.6
≥ 85 years	*****	*****	7,341	*****	602.6
<i>2016, August</i>					
18-44 years	102	102	3,218,925	0.32	260,748.3
45-64 years	292	292	1,143,756	2.55	93,139.4
65-74 years	*****	*****	34,192	*****	2,753.3
75-84 years	*****	*****	17,022	*****	1,384.3
≥ 85 years	*****	*****	7,402	*****	603.8
<i>2016, September</i>					
18-44 years	63	63	3,235,220	0.19	254,059.0
45-64 years	281	281	1,150,330	2.44	90,794.5
65-74 years	*****	*****	34,793	*****	2,717.0
75-84 years	*****	*****	17,219	*****	1,354.1
≥ 85 years	0	0	7,426	0.00	588.2
<i>2016, October</i>					
18-44 years	83	83	3,263,303	0.25	264,672.9
45-64 years	263	263	1,163,363	2.26	94,602.7
65-74 years	*****	*****	35,482	*****	2,862.8
75-84 years	*****	*****	17,442	*****	1,420.0
≥ 85 years	0	0	7,468	0.00	612.1
<i>2016, November</i>					
18-44 years	86	86	3,299,148	0.26	258,066.8
45-64 years	281	281	1,179,215	2.38	92,516.0
65-74 years	11	11	36,198	3.04	2,823.0
75-84 years	11	11	17,601	6.25	1,385.0
≥ 85 years	0	0	7,537	0.00	598.2

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2016, December</i>					
18-44 years	99	99	10,397,468	0.10	288,878.6
45-64 years	291	291	4,278,158	0.68	105,307.0
65-74 years	*****	*****	141,150	*****	3,261.0
75-84 years	*****	*****	66,683	*****	1,574.5
≥ 85 years	0	0	22,844	0.00	661.6
<i>2017, January</i>					
18-44 years	318	318	9,974,417	0.32	811,667.3
45-64 years	1,155	1,155	4,147,391	2.78	338,998.2
65-74 years	52	52	133,242	3.90	10,832.0
75-84 years	*****	*****	62,699	*****	5,143.5
≥ 85 years	*****	*****	20,027	*****	1,642.9
<i>2017, February</i>					
18-44 years	281	281	9,746,950	0.29	738,190.8
45-64 years	998	998	4,071,029	2.45	307,909.9
65-74 years	63	63	131,110	4.81	9,839.4
75-84 years	35	35	61,958	5.65	4,675.4
≥ 85 years	11	11	19,756	5.57	1,492.3
<i>2017, March</i>					
18-44 years	313	313	9,775,650	0.32	818,582.4
45-64 years	1,107	1,107	4,078,866	2.71	341,043.0
65-74 years	64	64	123,902	5.17	10,285.7
75-84 years	42	42	60,410	6.95	5,045.6
≥ 85 years	11	11	19,597	5.61	1,638.1
<i>2017, April</i>					
18-44 years	274	274	9,774,118	0.28	792,406.8
45-64 years	999	999	4,073,824	2.45	329,780.0
65-74 years	56	56	124,299	4.51	9,988.7
75-84 years	35	35	60,517	5.78	4,891.2
≥ 85 years	12	12	19,738	6.08	1,599.6
<i>2017, May</i>					
18-44 years	301	301	9,776,164	0.31	818,769.5
45-64 years	1,137	1,137	4,073,653	2.79	340,639.6
65-74 years	61	61	124,739	4.89	10,356.7
75-84 years	*****	*****	60,837	*****	5,077.3
≥ 85 years	*****	*****	19,822	*****	1,656.7

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2017, June</i>					
18-44 years	311	311	9,775,399	0.32	792,450.3
45-64 years	991	991	4,069,450	2.44	329,466.1
65-74 years	67	67	124,960	5.36	10,045.1
75-84 years	*****	*****	61,140	*****	4,939.0
≥ 85 years	*****	*****	19,936	*****	1,612.6
<i>2017, July</i>					
18-44 years	246	246	9,881,471	0.25	827,561.0
45-64 years	868	868	4,107,767	2.11	343,753.6
65-74 years	34	34	125,682	2.71	10,434.6
75-84 years	*****	*****	61,411	*****	5,128.8
≥ 85 years	*****	*****	20,093	*****	1,682.4
<i>2017, August</i>					
18-44 years	277	277	9,916,601	0.28	829,976.4
45-64 years	885	885	4,134,900	2.14	345,634.2
65-74 years	47	47	129,082	3.64	10,708.3
75-84 years	26	26	62,889	4.13	5,246.6
≥ 85 years	12	12	20,489	5.86	1,713.1
<i>2017, September</i>					
18-44 years	229	229	9,898,953	0.23	802,185.8
45-64 years	971	971	4,131,047	2.35	334,369.5
65-74 years	44	44	129,526	3.40	10,405.8
75-84 years	29	29	63,152	4.59	5,104.0
≥ 85 years	13	13	20,504	6.34	1,660.4
<i>2017, October</i>					
18-44 years	303	303	9,911,285	0.31	829,860.1
45-64 years	1,114	1,114	4,137,101	2.69	345,893.9
65-74 years	58	58	130,408	4.45	10,808.3
75-84 years	*****	*****	63,632	*****	5,306.2
≥ 85 years	*****	*****	20,718	*****	1,730.2
<i>2017, November</i>					
18-44 years	251	251	9,916,260	0.25	803,875.9
45-64 years	1,023	1,023	4,148,595	2.47	335,906.7
65-74 years	44	44	131,133	3.36	10,539.5
75-84 years	*****	*****	63,771	*****	5,154.6
≥ 85 years	*****	*****	20,796	*****	1,684.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2017, December</i>					
18-44 years	249	249	9,981,525	0.25	835,565.5
45-64 years	942	942	4,177,388	2.25	349,379.9
65-74 years	41	41	132,408	3.10	10,979.8
75-84 years	*****	*****	64,228	*****	5,355.1
≥ 85 years	*****	*****	20,927	*****	1,748.7
<i>2018, January</i>					
18-44 years	316	316	10,629,491	0.30	890,254.8
45-64 years	1,100	1,100	4,584,557	2.40	383,476.7
65-74 years	53	53	145,694	3.64	12,104.1
75-84 years	*****	*****	73,574	*****	6,140.4
≥ 85 years	*****	*****	29,186	*****	2,445.4
<i>2018, February</i>					
18-44 years	265	265	10,592,202	0.25	802,354.4
45-64 years	1,045	1,045	4,567,886	2.29	345,626.0
65-74 years	37	37	145,489	2.54	10,936.8
75-84 years	*****	*****	73,309	*****	5,538.2
≥ 85 years	*****	*****	29,010	*****	2,198.1
<i>2018, March</i>					
18-44 years	287	287	10,647,327	0.27	891,791.2
45-64 years	1,089	1,089	4,588,376	2.37	383,628.1
65-74 years	47	47	147,131	3.19	12,223.7
75-84 years	*****	*****	73,347	*****	6,122.4
≥ 85 years	*****	*****	29,029	*****	2,433.0
<i>2018, April</i>					
18-44 years	341	341	10,600,102	0.32	859,837.1
45-64 years	1,076	1,076	4,572,016	2.35	370,233.6
65-74 years	51	51	143,988	3.54	11,581.5
75-84 years	*****	*****	72,304	*****	5,850.3
≥ 85 years	*****	*****	28,814	*****	2,337.3
<i>2018, May</i>					
18-44 years	320	320	10,602,523	0.30	888,274.2
45-64 years	1,056	1,056	4,568,170	2.31	382,042.4
65-74 years	44	44	144,274	3.05	11,987.7
75-84 years	27	27	72,411	3.73	6,047.8
≥ 85 years	13	13	28,870	4.50	2,419.8



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2018, June</i>					
18-44 years	258	258	10,576,090	0.24	857,711.3
45-64 years	905	905	4,556,623	1.99	368,956.2
65-74 years	34	34	144,354	2.36	11,607.2
75-84 years	*****	*****	72,289	*****	5,849.0
≥ 85 years	*****	*****	28,986	*****	2,348.7
<i>2018, July</i>					
18-44 years	292	292	10,556,205	0.28	884,568.7
45-64 years	1,254	1,254	4,543,255	2.76	380,261.9
65-74 years	66	66	144,230	4.58	11,971.9
75-84 years	40	40	72,111	5.55	6,026.8
≥ 85 years	15	15	28,992	5.17	2,430.4
<i>2018, August</i>					
18-44 years	297	297	10,555,889	0.28	884,046.2
45-64 years	1,231	1,231	4,541,982	2.71	379,834.1
65-74 years	54	54	144,245	3.74	11,963.3
75-84 years	26	26	71,987	3.61	6,012.1
≥ 85 years	12	12	28,981	4.14	2,428.7
<i>2018, September</i>					
18-44 years	234	234	10,512,173	0.22	852,409.1
45-64 years	928	928	4,527,238	2.05	366,571.9
65-74 years	60	60	143,978	4.17	11,569.2
75-84 years	*****	*****	71,650	*****	5,799.8
≥ 85 years	*****	*****	28,939	*****	2,350.0
<i>2018, October</i>					
18-44 years	256	256	10,495,199	0.24	879,184.4
45-64 years	939	939	4,525,830	2.07	378,432.7
65-74 years	48	48	144,498	3.32	11,985.8
75-84 years	*****	*****	71,777	*****	5,992.1
≥ 85 years	*****	*****	29,096	*****	2,439.5
<i>2018, November</i>					
18-44 years	236	236	10,487,414	0.23	850,749.9
45-64 years	898	898	4,528,205	1.98	366,882.2
65-74 years	41	41	144,011	2.85	11,575.6
75-84 years	*****	*****	71,429	*****	5,781.3
≥ 85 years	*****	*****	28,990	*****	2,352.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
<i>2018, December</i>					
18-44 years	293	293	10,479,199	0.28	878,124.6
45-64 years	1,035	1,035	4,532,079	2.28	379,449.9
65-74 years	51	51	144,144	3.54	11,961.9
75-84 years	*****	*****	71,191	*****	5,948.9
≥ 85 years	*****	*****	28,921	*****	2,423.6
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>					
<i>Non-contaminated valsartan</i>					
<i>2012, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2012, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2013, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, January</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, February</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, March</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, April</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, May</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, June</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, July</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, August</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, September</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, October</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, November</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2014, December</i>					
18-44 years	0	0	0	NaN	0.0
45-64 years	0	0	0	NaN	0.0
65-74 years	0	0	0	NaN	0.0
75-84 years	0	0	0	NaN	0.0
≥ 85 years	0	0	0	NaN	0.0
<i>2015, January</i>					
18-44 years	*****	*****	1,653,767	*****	138,312.6
45-64 years	80	80	567,254	1.41	47,494.9
65-74 years	*****	*****	22,159	*****	1,846.3
75-84 years	*****	*****	15,184	*****	1,268.4
≥ 85 years	0	0	6,308	0.00	527.5
<i>2015, February</i>					
18-44 years	*****	*****	1,714,588	*****	129,722.3
45-64 years	78	78	595,587	1.31	45,080.9
65-74 years	*****	*****	22,328	*****	1,681.3
75-84 years	*****	*****	15,086	*****	1,139.3
≥ 85 years	*****	*****	6,217	*****	469.1
<i>2015, March</i>					
18-44 years	*****	*****	1,782,050	*****	149,080.3
45-64 years	67	67	630,570	1.06	52,788.6
65-74 years	*****	*****	22,430	*****	1,870.0

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	15,026	*****	1,253.1
≥ 85 years	*****	*****	6,160	*****	514.7
<i>2015, April</i>					
18-44 years	*****	*****	1,818,435	*****	147,288.1
45-64 years	69	69	648,968	1.06	52,595.0
65-74 years	*****	*****	22,765	*****	1,834.1
75-84 years	*****	*****	15,161	*****	1,223.2
≥ 85 years	*****	*****	6,213	*****	503.2
<i>2015, May</i>					
18-44 years	*****	*****	1,835,669	*****	153,591.4
45-64 years	75	75	655,386	1.14	54,849.9
65-74 years	*****	*****	23,048	*****	1,913.4
75-84 years	*****	*****	15,275	*****	1,271.1
≥ 85 years	*****	*****	6,241	*****	521.1
<i>2015, June</i>					
18-44 years	*****	*****	1,846,462	*****	149,581.9
45-64 years	75	75	658,900	1.14	53,378.3
65-74 years	*****	*****	23,264	*****	1,869.1
75-84 years	*****	*****	15,272	*****	1,231.0
≥ 85 years	0	0	6,287	0.00	507.7
<i>2015, July</i>					
18-44 years	*****	*****	1,865,188	*****	156,042.0
45-64 years	58	58	664,374	0.87	55,595.4
65-74 years	*****	*****	23,603	*****	1,959.4
75-84 years	*****	*****	15,347	*****	1,280.0
≥ 85 years	0	0	6,356	0.00	530.7
<i>2015, August</i>					
18-44 years	*****	*****	1,882,257	*****	157,496.4
45-64 years	62	62	670,470	0.92	56,117.1
65-74 years	*****	*****	23,842	*****	1,980.4
75-84 years	*****	*****	15,421	*****	1,287.3
≥ 85 years	*****	*****	6,432	*****	537.7
<i>2015, September</i>					
18-44 years	*****	*****	1,891,909	*****	153,215.7
45-64 years	77	77	675,492	1.14	54,695.3
65-74 years	*****	*****	24,076	*****	1,934.4



**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	15,583	*****	1,258.5
≥ 85 years	0	0	6,496	0.00	525.9
<i>2015, October</i>					
18-44 years	*****	*****	1,901,720	*****	158,645.7
45-64 years	83	83	680,922	1.22	56,822.1
65-74 years	*****	*****	24,274	*****	2,015.5
75-84 years	*****	*****	15,738	*****	1,310.8
≥ 85 years	0	0	6,548	0.00	546.6
<i>2015, November</i>					
18-44 years	*****	*****	1,900,620	*****	153,751.6
45-64 years	83	83	685,975	1.21	55,495.9
65-74 years	*****	*****	24,558	*****	1,974.0
75-84 years	*****	*****	15,744	*****	1,271.7
≥ 85 years	*****	*****	6,542	*****	530.1
<i>2015, December</i>					
18-44 years	*****	*****	1,919,209	*****	160,366.3
45-64 years	77	77	698,604	1.10	58,381.8
65-74 years	*****	*****	24,859	*****	2,064.1
75-84 years	*****	*****	15,818	*****	1,319.0
≥ 85 years	*****	*****	6,542	*****	547.2
<i>2016, January</i>					
18-44 years	*****	*****	2,946,310	*****	245,381.1
45-64 years	167	167	1,047,361	1.59	87,209.2
65-74 years	*****	*****	30,933	*****	2,560.0
75-84 years	*****	*****	15,285	*****	1,275.8
≥ 85 years	0	0	6,795	0.00	567.7
<i>2016, February</i>					
18-44 years	*****	*****	3,086,691	*****	233,231.3
45-64 years	142	142	1,095,770	1.30	83,030.3
65-74 years	*****	*****	32,349	*****	2,441.6
75-84 years	*****	*****	15,811	*****	1,200.5
≥ 85 years	*****	*****	7,053	*****	534.9
<i>2016, March</i>					
18-44 years	65	65	3,123,311	0.21	251,408.5
45-64 years	146	146	1,107,376	1.32	89,589.2
65-74 years	*****	*****	32,768	*****	2,639.6

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	15,958	*****	1,297.2
≥ 85 years	*****	*****	7,077	*****	578.6
<i>2016, April</i>					
18-44 years	52	52	3,121,999	0.17	244,902.6
45-64 years	153	153	1,106,876	1.38	87,254.9
65-74 years	*****	*****	32,693	*****	2,558.6
75-84 years	*****	*****	16,052	*****	1,262.9
≥ 85 years	0	0	7,114	0.00	562.9
<i>2016, May</i>					
18-44 years	*****	*****	3,135,856	*****	254,160.2
45-64 years	119	119	1,110,569	1.07	90,461.7
65-74 years	*****	*****	32,470	*****	2,617.6
75-84 years	*****	*****	16,241	*****	1,317.5
≥ 85 years	0	0	7,177	0.00	586.1
<i>2016, June</i>					
18-44 years	*****	*****	3,162,610	*****	247,569.9
45-64 years	113	113	1,118,979	1.01	88,061.5
65-74 years	*****	*****	32,886	*****	2,563.1
75-84 years	*****	*****	16,374	*****	1,287.7
≥ 85 years	0	0	7,225	0.00	571.6
<i>2016, July</i>					
18-44 years	*****	*****	3,191,517	*****	258,204.1
45-64 years	121	121	1,126,555	1.07	91,791.8
65-74 years	*****	*****	33,346	*****	2,693.1
75-84 years	*****	*****	16,571	*****	1,348.4
≥ 85 years	*****	*****	7,248	*****	594.8
<i>2016, August</i>					
18-44 years	*****	*****	3,216,387	*****	260,535.8
45-64 years	144	144	1,134,751	1.27	92,386.5
65-74 years	*****	*****	33,689	*****	2,711.6
75-84 years	0	0	16,689	0.00	1,357.5
≥ 85 years	*****	*****	7,311	*****	595.9
<i>2016, September</i>					
18-44 years	*****	*****	3,232,623	*****	253,851.3
45-64 years	135	135	1,141,209	1.18	90,058.8
65-74 years	*****	*****	34,267	*****	2,676.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	16,881	*****	1,327.0
≥ 85 years	0	0	7,334	0.00	580.8
<i>2016, October</i>					
18-44 years	*****	*****	3,260,709	*****	264,456.5
45-64 years	121	121	1,154,080	1.05	93,832.6
65-74 years	*****	*****	34,950	*****	2,818.5
75-84 years	*****	*****	17,102	*****	1,392.1
≥ 85 years	0	0	7,372	0.00	604.3
<i>2016, November</i>					
18-44 years	*****	*****	3,296,522	*****	257,854.5
45-64 years	138	138	1,169,846	1.18	91,759.4
65-74 years	*****	*****	35,635	*****	2,778.7
75-84 years	*****	*****	17,262	*****	1,358.2
≥ 85 years	0	0	7,440	0.00	590.5
<i>2016, December</i>					
18-44 years	*****	*****	10,388,583	*****	288,638.6
45-64 years	129	129	4,241,591	0.30	104,439.2
65-74 years	*****	*****	138,993	*****	3,209.2
75-84 years	*****	*****	65,348	*****	1,543.3
≥ 85 years	0	0	22,498	0.00	653.0
<i>2017, January</i>					
18-44 years	150	150	9,965,610	0.15	810,932.8
45-64 years	435	435	4,111,315	1.06	335,996.8
65-74 years	18	18	131,113	1.37	10,656.2
75-84 years	*****	*****	61,369	*****	5,032.3
≥ 85 years	*****	*****	19,681	*****	1,614.2
<i>2017, February</i>					
18-44 years	126	126	9,738,163	0.13	737,512.3
45-64 years	395	395	4,034,871	0.98	305,131.7
65-74 years	22	22	128,972	1.71	9,676.1
75-84 years	*****	*****	60,612	*****	4,572.3
≥ 85 years	*****	*****	19,406	*****	1,465.6
<i>2017, March</i>					
18-44 years	152	152	9,766,689	0.16	817,816.8
45-64 years	475	475	4,042,091	1.18	337,912.1
65-74 years	20	20	121,737	1.64	10,103.5

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	59,014	*****	4,927.2
≥ 85 years	*****	*****	19,247	*****	1,608.7
<i>2017, April</i>					
18-44 years	141	141	9,765,071	0.14	791,654.8
45-64 years	450	450	4,036,552	1.11	326,709.1
65-74 years	25	25	122,081	2.05	9,807.4
75-84 years	*****	*****	59,098	*****	4,774.0
≥ 85 years	*****	*****	19,376	*****	1,570.2
<i>2017, May</i>					
18-44 years	158	158	9,767,006	0.16	817,981.7
45-64 years	475	475	4,035,884	1.18	337,423.6
65-74 years	26	26	122,464	2.12	10,163.9
75-84 years	*****	*****	59,399	*****	4,954.9
≥ 85 years	*****	*****	19,441	*****	1,624.5
<i>2017, June</i>					
18-44 years	158	158	9,766,053	0.16	791,677.2
45-64 years	416	416	4,031,100	1.03	326,315.6
65-74 years	33	33	122,615	2.69	9,853.0
75-84 years	*****	*****	59,672	*****	4,818.6
≥ 85 years	*****	*****	19,546	*****	1,580.6
<i>2017, July</i>					
18-44 years	120	120	9,871,808	0.12	826,737.4
45-64 years	336	336	4,068,876	0.83	340,444.5
65-74 years	13	13	123,265	1.05	10,230.9
75-84 years	*****	*****	59,914	*****	5,002.4
≥ 85 years	*****	*****	19,690	*****	1,648.4
<i>2017, August</i>					
18-44 years	138	138	9,906,876	0.14	829,146.0
45-64 years	368	368	4,095,389	0.90	342,276.3
65-74 years	15	15	126,616	1.18	10,499.9
75-84 years	*****	*****	61,346	*****	5,115.5
≥ 85 years	*****	*****	20,068	*****	1,678.0
<i>2017, September</i>					
18-44 years	108	108	9,889,132	0.11	801,375.7
45-64 years	360	360	4,091,004	0.88	331,081.3
65-74 years	*****	*****	127,046	*****	10,203.1

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	61,581	*****	4,975.1
≥ 85 years	*****	*****	20,072	*****	1,624.9
<i>2017, October</i>					
18-44 years	149	149	9,901,397	0.15	829,012.7
45-64 years	399	399	4,096,575	0.97	342,450.6
65-74 years	*****	*****	127,887	*****	10,596.7
75-84 years	*****	*****	62,025	*****	5,170.7
≥ 85 years	*****	*****	20,283	*****	1,693.2
<i>2017, November</i>					
18-44 years	105	105	9,906,204	0.11	803,046.6
45-64 years	388	388	4,107,291	0.94	332,515.2
65-74 years	*****	*****	128,577	*****	10,330.8
75-84 years	*****	*****	62,161	*****	5,022.7
≥ 85 years	0	0	20,357	0.00	1,648.5
<i>2017, December</i>					
18-44 years	122	122	9,971,351	0.12	834,693.5
45-64 years	366	366	4,135,457	0.89	345,819.4
65-74 years	*****	*****	129,829	*****	10,763.4
75-84 years	*****	*****	62,591	*****	5,216.3
≥ 85 years	*****	*****	20,481	*****	1,711.3
<i>2018, January</i>					
18-44 years	160	160	10,619,595	0.15	889,409.8
45-64 years	455	455	4,542,134	1.00	379,871.4
65-74 years	16	16	143,171	1.12	11,891.7
75-84 years	*****	*****	71,944	*****	6,002.4
≥ 85 years	*****	*****	28,737	*****	2,407.7
<i>2018, February</i>					
18-44 years	145	145	10,582,126	0.14	801,574.9
45-64 years	417	417	4,524,796	0.92	342,316.5
65-74 years	*****	*****	142,934	*****	10,742.3
75-84 years	*****	*****	71,652	*****	5,411.4
≥ 85 years	*****	*****	28,559	*****	2,163.5
<i>2018, March</i>					
18-44 years	141	141	10,637,044	0.13	890,911.1
45-64 years	508	508	4,544,473	1.12	379,891.1
65-74 years	*****	*****	144,531	*****	12,005.2

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	71,697	*****	5,982.4
≥ 85 years	*****	*****	28,570	*****	2,394.5
<i>2018, April</i>					
18-44 years	186	186	10,589,673	0.18	858,969.2
45-64 years	492	492	4,527,565	1.09	366,570.9
65-74 years	21	21	141,389	1.49	11,368.8
75-84 years	*****	*****	70,646	*****	5,714.3
≥ 85 years	*****	*****	28,352	*****	2,299.6
<i>2018, May</i>					
18-44 years	179	179	10,591,873	0.17	887,359.9
45-64 years	519	519	4,523,194	1.15	378,213.1
65-74 years	19	19	141,637	1.34	11,764.2
75-84 years	*****	*****	70,735	*****	5,905.7
≥ 85 years	*****	*****	28,398	*****	2,379.9
<i>2018, June</i>					
18-44 years	153	153	10,565,264	0.14	856,816.1
45-64 years	414	414	4,510,958	0.92	365,206.2
65-74 years	*****	*****	141,673	*****	11,387.4
75-84 years	*****	*****	70,613	*****	5,711.8
≥ 85 years	*****	*****	28,505	*****	2,309.4
<i>2018, July</i>					
18-44 years	129	129	10,545,238	0.12	883,634.9
45-64 years	383	383	4,497,232	0.85	376,364.8
65-74 years	*****	*****	141,511	*****	11,743.6
75-84 years	*****	*****	70,432	*****	5,884.7
≥ 85 years	*****	*****	28,500	*****	2,389.1
<i>2018, August</i>					
18-44 years	110	110	10,544,930	0.10	883,121.8
45-64 years	355	355	4,496,083	0.79	375,964.2
65-74 years	*****	*****	141,537	*****	11,737.1
75-84 years	*****	*****	70,306	*****	5,871.1
≥ 85 years	*****	*****	28,480	*****	2,387.3
<i>2018, September</i>					
18-44 years	100	100	10,501,409	0.10	851,531.3
45-64 years	305	305	4,481,766	0.68	362,868.1
65-74 years	*****	*****	141,281	*****	11,350.9

**Table 3. Summary of Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Year, Month, and Age Group**

	Number of Patients	Number of Exposure Episodes	Number of Eligible Members <sup>1</sup>	Number of Patients per 10,000 Eligible Members <sup>1</sup>	Total Eligible Member-Years <sup>1</sup>
75-84 years	*****	*****	69,998	*****	5,665.6
≥ 85 years	*****	*****	28,446	*****	2,309.6
<i>2018, October</i>					
18-44 years	132	132	10,484,624	0.13	878,289.4
45-64 years	390	390	4,480,664	0.87	374,625.2
65-74 years	*****	*****	141,800	*****	11,761.0
75-84 years	*****	*****	70,138	*****	5,853.5
≥ 85 years	*****	*****	28,604	*****	2,398.2
<i>2018, November</i>					
18-44 years	134	134	10,476,930	0.13	849,890.2
45-64 years	431	431	4,483,239	0.96	363,196.8
65-74 years	18	18	141,339	1.27	11,357.1
75-84 years	*****	*****	69,794	*****	5,648.0
≥ 85 years	*****	*****	28,490	*****	2,312.1
<i>2018, December</i>					
18-44 years	145	145	10,468,781	0.14	877,240.4
45-64 years	387	387	4,487,177	0.86	375,648.1
65-74 years	*****	*****	141,464	*****	11,737.0
75-84 years	*****	*****	69,585	*****	5,813.0
≥ 85 years	*****	*****	28,427	*****	2,382.1

<sup>1</sup>Eligible Members and Member-Years are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

NaN: Not a Number

**Table 4. Summary of Time to End of At-Risk Period for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes by Episode Length														
	Total Number of Episodes	0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days		
		Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	
		Episodes	Episodes	Episodes	Episodes	Episodes	Episodes	Episodes	Episodes	Episodes	Episodes	Episodes	Episodes	
Prevalent Use - All Censoring Options														
Any valsartan product	97,755	91,163	93.3%	6,186	6.3%	373	0.4%	33	0.0%	0	0.0%	0	0.0%	
Contaminated valsartan	69,786	64,886	93.0%	4,667	6.7%	222	0.3%	11	0.0%	0	0.0%	0	0.0%	
Non-contaminated valsartan	55,128	53,087	96.3%	1,918	3.5%	*****	*****	*****	*****	0	0.0%	0	0.0%	
New Use - All Censoring Options														
Any valsartan product	42,106	39,138	93.0%	2,819	6.7%	*****	*****	*****	*****	0	0.0%	0	0.0%	
Contaminated valsartan	22,027	20,747	94.2%	1,240	5.6%	*****	*****	*****	*****	0	0.0%	0	0.0%	
Non-contaminated valsartan	17,782	17,117	96.3%	636	3.6%	29	0.2%	0	0.0%	0	0.0%	0	0.0%	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	50,458	25,112	49.8%	22,068	43.7%	2,838	5.6%	440	0.9%	0	0.0%	0	0.0%	
New Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	21,976	12,484	56.8%	8,717	39.7%	715	3.3%	60	0.3%	0	0.0%	0	0.0%	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	54,619	34,796	63.7%	17,883	32.7%	1,773	3.2%	167	0.3%	0	0.0%	0	0.0%	
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	21,977	13,965	63.5%	7,445	33.9%	533	2.4%	34	0.2%	0	0.0%	0	0.0%	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	43,077	31,963	74.2%	8,949	20.8%	1,850	4.3%	*****	*****	*****	*****	0	0.0%	
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	17,718	11,978	67.6%	4,699	26.5%	909	5.1%	132	0.7%	0	0.0%	0	0.0%	

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.



**Table 4. Summary of Time to End of At-Risk Period for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

	Number of Episodes by Episode Length						
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	31	60	150	1,388	118.3	137.4
<i>Contaminated valsartan</i>	1	33	60	153	1,316	120.6	134.3
<i>Non-contaminated valsartan</i>	1	24	60	117	1,268	92.1	112.8
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	24	60	145	1,325	114.1	140.2
<i>Contaminated valsartan</i>	1	27	60	145	1,239	110.4	125.8
<i>Non-contaminated valsartan</i>	1	19	54	95	1,065	84.2	112.0
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	1	218	369	568	1,455	403.6	245.5
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	1	210	328	511	1,423	364.4	215.9
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	112	273	476	1,455	313.4	235.1
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	173	292	460	1,420	324.0	212.3
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	70	187	377	1,460	263.0	250.1
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	107	246	445	1,457	306.3	251.6

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 5. Summary of Reasons for End of At-Risk Period for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018<sup>1</sup>**

Censoring Reason															
	End of Exposure Episode <sup>2</sup>			Evidence of Death <sup>3</sup>		Disenrollment <sup>4</sup>		End of Data <sup>5</sup>		End of Study Period <sup>6</sup>		Switch to Other Antihypertensive		Switch to Contaminated Product	
	Total Number of Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
<b>Prevalent Use - All Censoring Options</b>															
<i>Any valsartan product</i>	97,755	42,668	43.6%	122	0.1%	17,753	18.2%	9,976	10.2%	0	0.0%	37,462	38.3%	N/A	N/A
<i>Contaminated valsartan</i>	69,786	26,893	38.5%	55	0.1%	10,042	14.4%	4,549	6.5%	0	0.0%	23,597	33.8%	N/A	N/A
<i>Non-contaminated valsartan</i>	55,128	16,803	30.5%	80	0.1%	9,609	17.4%	6,159	11.2%	0	0.0%	19,316	35.0%	9,049	16.4%
<b>New Use - All Censoring Options</b>															
<i>Any valsartan product</i>	42,106	14,712	34.9%	67	0.2%	7,220	17.1%	3,841	9.1%	0	0.0%	20,206	48.0%	N/A	N/A
<i>Contaminated valsartan</i>	22,027	7,926	36.0%	22	0.1%	2,805	12.7%	1,072	4.9%	0	0.0%	9,710	44.1%	N/A	N/A
<i>Non-contaminated valsartan</i>	17,782	4,923	27.7%	37	0.2%	2,812	15.8%	1,808	10.2%	0	0.0%	8,581	48.3%	1,412	7.9%
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>															
<i>Contaminated valsartan</i>	50,458	0	0.0%	294	0.6%	50,172	99.4%	35,267	69.9%	0	0.0%	0	0.0%	N/A	N/A
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>															
<i>Contaminated valsartan</i>	21,976	0	0.0%	125	0.6%	21,854	99.4%	15,607	71.0%	0	0.0%	0	0.0%	N/A	N/A
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>															
<i>Contaminated valsartan</i>	54,619	0	0.0%	235	0.4%	40,339	73.9%	27,853	51.0%	0	0.0%	0	0.0%	N/A	N/A
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>															
<i>Contaminated valsartan</i>	21,977	0	0.0%	103	0.5%	18,428	83.9%	12,842	58.4%	0	0.0%	0	0.0%	N/A	N/A
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>															
<i>Non-contaminated valsartan</i>	43,077	0	0.0%	322	0.7%	28,749	66.7%	20,042	46.5%	0	0.0%	0	0.0%	13,195	30.6%
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>															
<i>Non-contaminated valsartan</i>	17,718	0	0.0%	210	1.2%	14,501	81.8%	10,207	57.6%	0	0.0%	0	0.0%	2,845	16.1%

**Table 5. Summary of Reasons for End of At-Risk Period for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018<sup>1</sup>**

	Switch to Non-Contaminated Product		Switch to Unclassified Product	
	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
<b>Prevalent Use - All Censoring Options</b>				
<i>Any valsartan product</i>	N/A	N/A	N/A	N/A
<i>Contaminated valsartan</i>	8,111	11.6%	1,402	2.0%
<i>Non-contaminated valsartan</i>	N/A	N/A	573	1.0%
<b>New Use - All Censoring Options</b>				
<i>Any valsartan product</i>	N/A	N/A	N/A	N/A
<i>Contaminated valsartan</i>	1,395	6.3%	240	1.1%
<i>Non-contaminated valsartan</i>	N/A	N/A	97	0.5%
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>				
<i>Contaminated valsartan</i>	N/A	N/A	N/A	N/A
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>				
<i>Contaminated valsartan</i>	N/A	N/A	N/A	N/A
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>				
<i>Contaminated valsartan</i>	N/A	N/A	N/A	N/A
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>				
<i>Contaminated valsartan</i>	N/A	N/A	N/A	N/A
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>				
<i>Non-contaminated valsartan</i>	N/A	N/A	N/A	N/A
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>				
<i>Non-contaminated valsartan</i>	N/A	N/A	N/A	N/A

<sup>1</sup>An episode may be censored due to more than one reason if they occur on the same date. Therefore, the sum of the reasons for censoring may be greater than the total number of episodes.

<sup>2</sup>Represents episodes censored due to end of the exposure episode. In as-treated analyses, exposure episodes are defined using days supplied as recorded in outpatient pharmacy dispensing records, and episodes end after days supplied are exhausted or a pre-determined maximum episode duration is met. In point exposure analyses, exposure episodes end when a pre-determined maximum episode duration is met.

<sup>3</sup>Represents episodes censored due to evidence of death. Death data source and completeness varies by Data Partner.

<sup>4</sup>Represents episodes censored due to disenrollment from health plan. Data Partners often artificially assign a "disenrollment" date equal to data end date for members still enrolled on that date. Therefore, a patient may have dual reasons for censoring as "disenrollment" and "end of data" on the same day - this can be interpreted as right-censoring in most cases.

<sup>5</sup>Represents episodes censored due to Data Partner data end date. This end date represents the last day of the most recent year-month in which all of a Data Partner's data tables in the Sentinel Common Data Model have at least 80% of the record count relative to the prior month.

<sup>6</sup>Represents episodes censored due to user-specified study end date.

**Table 6a. Summary of Time to End of At-Risk Period due to End of Exposure Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to End of Exposure Episode by Episode Length													
				0-364 days		365-729 days		1,095-1,459 days		1,460-1,824 days		1,825+ days	
	Total Number of Episodes	Total Number of Episodes Censored due to End of Exposure Episode <sup>1</sup>		Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
<b>Prevalent Use - All Censoring Options</b>													
<i>Any valsartan product</i>	97,755	42,668		40,566	95.1%	1,983	4.6%	*****	*****	0	0.0%	0	0.0%
<i>Contaminated valsartan</i>	69,786	26,893		25,605	95.2%	1,217	4.5%	*****	*****	0	0.0%	0	0.0%
<i>Non-contaminated valsartan</i>	55,128	16,803		16,236	96.6%	542	3.2%	0	0.0%	0	0.0%	0	0.0%
<b>New Use - All Censoring Options</b>													
<i>Any valsartan product</i>	42,106	14,712		13,868	94.3%	800	5.4%	*****	*****	0	0.0%	0	0.0%
<i>Contaminated valsartan</i>	22,027	7,926		7,595	95.8%	319	4.0%	0	0.0%	0	0.0%	0	0.0%
<i>Non-contaminated valsartan</i>	17,782	4,923		4,742	96.3%	*****	*****	0	0.0%	0	0.0%	0	0.0%
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>													
<i>Contaminated valsartan</i>	50,458	0		0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>													
<i>Contaminated valsartan</i>	21,976	0		0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>													
<i>Contaminated valsartan</i>	54,619	0		0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>													
<i>Contaminated valsartan</i>	21,977	0		0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>													
<i>Non-contaminated valsartan</i>	43,077	0		0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>													
<i>Non-contaminated valsartan</i>	17,718	0		0	NaN	0	NaN	0	NaN	0	NaN	0	NaN

<sup>1</sup>Represents episodes censored due to end of the exposure episode. In as-treated analyses, exposure episodes are defined using days supplied as recorded in outpatient pharmacy dispensing records, and episodes end after days supplied are exhausted or a pre-determined maximum episode duration is met. In point exposure analyses, exposure episodes end when a pre-determined maximum episode duration is met.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6a. Summary of Time to End of At-Risk Period due to End of Exposure Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to End of Exposure Episode by Episode Length							
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	31	60	90	154	1,144	130.8	110.6
<i>Contaminated valsartan</i>	31	60	90	155	1,200	131.2	109.0
<i>Non-contaminated valsartan</i>	31	60	90	132	1,011	117.6	95.7
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	31	60	90	158	1,144	134.3	115.1
<i>Contaminated valsartan</i>	31	60	90	150	1,019	126.1	101.9
<i>Non-contaminated valsartan</i>	31	60	60	125	913	115.0	95.7
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	1	220	369	569	1,455	404.2	245.5
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	1	211	329	512	1,423	365.1	215.8
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	193	329	528	1,455	365.0	231.8
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	201	312	488	1,420	348.1	210.6
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	117	257	470	1,460	323.8	267.1
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	137	278	488	1,457	336.3	258.2

<sup>1</sup>Represents episodes censored due to end of the exposure episode. In as-treated analyses, exposure episodes are defined using days supplied as recorded in outpatient pharmacy dispensing records, and episodes end after days supplied are exhausted or a pre-determined maximum episode duration is met. In point exposure analyses, exposure episodes end when a pre-determined maximum episode duration is met.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6b. Summary of Time to End of At-Risk Period due to Evidence of Death for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Censoring by Day														
			0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days	
			Total Number of Episodes	Total Number of Episodes Censored due to Evidence of Death <sup>1</sup>	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
Prevalent Use - All Censoring Options														
Any valsartan product	97,755	122	*****	*****	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%
Contaminated valsartan	69,786	55	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Non-contaminated valsartan	55,128	80	*****	*****	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%
New Use - All Censoring Options														
Any valsartan product	42,106	67	*****	*****	*****	4.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Contaminated valsartan	22,027	22	*****	*****	*****	4.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Non-contaminated valsartan	17,782	37	*****	*****	*****	5.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	50,458	294	203	69.0%	78	26.5%	*****	*****	*****	*****	0	0.0%	0	0.0%
New Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	21,976	125	97	77.6%	*****	*****	*****	*****	*****	*****	0	0.0%	0	0.0%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	54,619	235	168	71.5%	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	21,977	103	85	82.5%	18	17.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	43,077	322	227	70.5%	77	23.9%	*****	*****	*****	*****	0	0.0%	0	0.0%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	17,718	210	155	73.8%	*****	*****	*****	*****	*****	*****	0	0.0%	0	0.0%

<sup>1</sup>Represents episodes censored due to evidence of death. Death data source and completeness varies by Data Partner.

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 6b. Summary of Time to End of At-Risk Period due to Evidence of Death for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	5	25	57	146	774	106.4	126.8
<i>Contaminated valsartan</i>	6	23	63	141	469	105.2	116.7
<i>Non-contaminated valsartan</i>	5	25	52	144	774	102.2	130.9
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	5	25	60	148	547	108.4	122.0
<i>Contaminated valsartan</i>	8	23	50	125	469	96.8	113.3
<i>Non-contaminated valsartan</i>	5	29	59	148	547	109.8	130.8
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	8	103	237	431	1,315	291.2	232.3
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	8	70	182	335	1,315	239.8	214.8
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	8	82	198	399	1,045	263.9	225.0
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	8	54	143	327	693	205.3	182.7
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	5	93	228	425	1,268	284.1	235.1
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	5	91	210	371	1,268	267.2	221.8

<sup>1</sup>Represents episodes censored due to evidence of death. Death data source and completeness varies by Data Partner.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 6c. Summary of Time to End of At-Risk Period due to Disenrollment for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Disenrollment by Episode Length															
			0-364 days		365-729 days		days		1,095-1,459 days		1,460-1,824 days		1,825+ days		
	Total Number of Episodes	Total Number of Episodes Censored due to Disenrollment <sup>1</sup>	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	
Prevalent Use - All Censoring Options															
Any valsartan product	97,755	17,753	15,372	86.6%	2,216	12.5%	151	0.9%	14	0.1%	0	0.0%	0	0.0%	
Contaminated valsartan	69,786	10,042	8,825	87.9%	1,173	11.7%	*****	*****	*****	*****	0	0.0%	0	0.0%	
Non-contaminated valsartan	55,128	9,609	8,763	91.2%	778	8.1%	*****	*****	*****	*****	0	0.0%	0	0.0%	
New Use - All Censoring Options															
Any valsartan product	42,106	7,220	6,111	84.6%	1,048	14.5%	*****	*****	*****	*****	0	0.0%	0	0.0%	
Contaminated valsartan	22,027	2,805	2,512	89.6%	280	10.0%	13	0.5%	0	0.0%	0	0.0%	0	0.0%	
Non-contaminated valsartan	17,782	2,812	2,494	88.7%	296	10.5%	22	0.8%	0	0.0%	0	0.0%	0	0.0%	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death															
Contaminated valsartan	50,458	50,172	24,912	49.7%	21,993	43.8%	2,828	5.6%	439	0.9%	0	0.0%	0	0.0%	
New Use - Censoring on Query/Data End Date, Disenrollment, or Death															
Contaminated valsartan	21,976	21,854	12,390	56.7%	8,692	39.8%	713	3.3%	59	0.3%	0	0.0%	0	0.0%	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan															
Contaminated valsartan	54,619	40,339	22,513	55.8%	16,047	39.8%	1,620	4.0%	159	0.4%	0	0.0%	0	0.0%	
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan															
Contaminated valsartan	21,977	18,428	11,034	59.9%	6,861	37.2%	500	2.7%	33	0.2%	0	0.0%	0	0.0%	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan															
Non-contaminated valsartan	43,077	28,749	18,906	65.8%	7,787	27.1%	1,749	6.1%	*****	*****	*****	*****	0	0.0%	
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan															
Non-contaminated valsartan	17,718	14,501	9,150	63.1%	4,343	29.9%	879	6.1%	129	0.9%	0	0.0%	0	0.0%	

<sup>1</sup>Represents episodes censored due to disenrollment from health plan. Data Partners often artificially assign a "disenrollment" date equal to data end date for members still enrolled on that date. Therefore, a patient may have dual reasons for censoring as "disenrollment" and "end of data" on the same day - this can be interpreted as right-censoring in most cases.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.



**Table 6c. Summary of Time to End of At-Risk Period due to Disenrollment for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

	Number of Episodes Censored due to Disenrollment by Episode Length						
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	39	96	245	1,388	168.9	181.1
<i>Contaminated valsartan</i>	1	37	88	217	1,316	154.5	165.9
<i>Non-contaminated valsartan</i>	1	29	76	182	1,268	136.1	158.8
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	39	111	278	1,325	184.3	188.3
<i>Contaminated valsartan</i>	1	34	85	229	1,075	153.0	163.2
<i>Non-contaminated valsartan</i>	1	30	81	228	1,065	153.5	174.4
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	1	220	369	569	1,455	404.2	245.5
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	1	211	329	512	1,423	365.1	215.8
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Contaminated Valsartan Category</b>							
<i>Contaminated valsartan</i>	1	193	329	528	1,455	365.0	231.8
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Contaminated Valsartan Category</b>							
<i>Contaminated valsartan</i>	1	201	312	488	1,420	348.1	210.6
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category</b>							
<i>Non-contaminated valsartan</i>	1	117	257	470	1,460	323.8	267.1
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Non-Contaminated Valsartan Category</b>							
<i>Non-contaminated valsartan</i>	1	137	278	488	1,457	336.3	258.2

<sup>1</sup>Represents episodes censored due to disenrollment from health plan. Data Partners often artificially assign a "disenrollment" date equal to data end date for members still enrolled on that date. Therefore, a patient may have dual reasons for censoring as "disenrollment" and "end of data" on the same day - this can be interpreted as right-censoring in most cases.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 6d. Summary of Time to End of At-Risk Period due to End of Data for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to End of Data by Episode Length															
		0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days			
	Total Number of Episodes	Total Number of Episodes Censored due to End of Data <sup>1</sup>	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	
<b>Prevalent Use - All Censoring Options</b>															
<i>Any valsartan product</i>	97,755	9,976	8,178	82.0%	1,652	16.6%	133	1.3%	13	0.1%	0	0.0%	0	0.0%	
<i>Contaminated valsartan</i>	69,786	4,549	3,769	82.9%	749	16.5%	*****	*****	*****	*****	0	0.0%	0	0.0%	
<i>Non-contaminated valsartan</i>	55,128	6,159	5,430	88.2%	668	10.8%	*****	*****	*****	*****	0	0.0%	0	0.0%	
<b>New Use - All Censoring Options</b>															
<i>Any valsartan product</i>	42,106	3,841	3,017	78.5%	770	20.0%	*****	*****	*****	*****	0	0.0%	0	0.0%	
<i>Contaminated valsartan</i>	22,027	1,072	891	83.1%	169	15.8%	12	1.1%	0	0.0%	0	0.0%	0	0.0%	
<i>Non-contaminated valsartan</i>	17,782	1,808	1,536	85.0%	252	13.9%	20	1.1%	0	0.0%	0	0.0%	0	0.0%	
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>															
<i>Contaminated valsartan</i>	50,458	35,267	14,504	41.1%	18,174	51.5%	2,172	6.2%	417	1.2%	0	0.0%	0	0.0%	
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>															
<i>Contaminated valsartan</i>	21,976	15,607	7,618	48.8%	7,343	47.0%	591	3.8%	55	0.4%	0	0.0%	0	0.0%	
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>															
<i>Contaminated valsartan</i>	54,619	27,853	13,201	47.4%	13,217	47.5%	1,284	4.6%	151	0.5%	0	0.0%	0	0.0%	
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>															
<i>Contaminated valsartan</i>	21,977	12,842	6,637	51.7%	5,757	44.8%	417	3.2%	31	0.2%	0	0.0%	0	0.0%	
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>															
<i>Non-contaminated valsartan</i>	43,077	20,042	12,280	61.3%	6,209	31.0%	1,271	6.3%	*****	*****	*****	*****	0	0.0%	
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>															
<i>Non-contaminated valsartan</i>	17,718	10,207	6,000	58.8%	3,426	33.6%	666	6.5%	115	1.1%	0	0.0%	0	0.0%	

<sup>1</sup>Represents episodes censored due to Data Partner data end date. This end date represents the last day of the most recent year-month in which all of a Data Partner's data tables in the Sentinel Common Data Model have at least 80% of the record count relative to the prior month.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6d. Summary of Time to End of At-Risk Period due to End of Data for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

	Number of Episodes Censored due to End of Data by Episode Length						
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	42	104	288	1,337	192.7	203.2
<i>Contaminated valsartan</i>	1	39	88	258	1,316	172.4	187.8
<i>Non-contaminated valsartan</i>	1	29	83	210	1,268	151.7	176.9
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	42	144	335	1,325	216.1	212.5
<i>Contaminated valsartan</i>	1	36	89	293	1,075	188.1	197.1
<i>Non-contaminated valsartan</i>	1	33	91	263	1,065	174.9	192.4
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN

<sup>1</sup>Represents episodes censored due to Data Partner data end date. This end date represents the last day of the most recent year-month in which all of a Data Partner's data tables in the Sentinel Common Data Model have at least 80% of the record count relative to the prior month.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6e. Summary of Time to End of At-Risk Period due to End of Study Period for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to End of Study Period by Episode Length														
			0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days	
	Total Number of Episodes		Total Number of Episodes Censored due to End of Study Period <sup>1</sup>		Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
	Total Number of Episodes		Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
Prevalent Use - All Censoring Options														
Any valsartan product	97,755	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Contaminated valsartan	69,786	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Non-contaminated valsartan	55,128	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - All Censoring Options														
Any valsartan product	42,106	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Contaminated valsartan	22,027	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Non-contaminated valsartan	17,782	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	50,458	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	21,976	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	54,619	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	21,977	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	43,077	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	17,718	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN

<sup>1</sup>Represents episodes censored due to user-specified study end date. The overall study period end date was December 2022, which was beyond the end of data availability for this Data Partner.

\*NaN: Not a Number

**Table 6e. Summary of Time to End of At-Risk Period due to End of Study Period for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to End of Study Period by Episode Length							
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN

<sup>1</sup>Represents episodes censored due to user-specified study end date. The overall study period end date was December 2022, which was beyond the end of data availability for this Data Partner.

\*NaN: Not a Number

**Table 6f. Summary of Time to End of At-Risk Period due to Switch to Other Antihypertensive for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Other Antihypertensive by Episode Length														
		0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days		
	Total Number of Episodes	Total Number of Episodes Censored due to Switch to Other Antihypertensive	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
Prevalent Use - All Censoring Options														
Any valsartan product	97,755	37,462	35,343	94.3%	1,998	5.3%	105	0.3%	16	0.0%	0	0.0%	0	0.0%
Contaminated valsartan	69,786	23,597	21,786	92.3%	1,713	7.3%	*****	*****	*****	*****	0	0.0%	0	0.0%
Non-contaminated valsartan	55,128	19,316	18,954	98.1%	340	1.8%	*****	*****	*****	*****	0	0.0%	0	0.0%
New Use - All Censoring Options														
Any valsartan product	42,106	20,206	19,184	94.9%	978	4.8%	*****	*****	*****	*****	0	0.0%	0	0.0%
Contaminated valsartan	22,027	9,710	9,201	94.8%	497	5.1%	*****	*****	*****	*****	0	0.0%	0	0.0%
Non-contaminated valsartan	17,782	8,581	8,476	98.8%	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	50,458	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	21,976	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	54,619	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	21,977	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	43,077	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	17,718	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6f. Summary of Time to End of At-Risk Period due to Switch to Other Antihypertensive for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Other Antihypertensive by Episode Length							
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	9	27	81	1,332	80.0	130.5
<i>Contaminated valsartan</i>	1	10	31	121	1,239	98.2	143.0
<i>Non-contaminated valsartan</i>	1	8	22	46	1,195	47.4	85.7
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	1	11	26	68	1,239	74.3	122.7
<i>Contaminated valsartan</i>	1	11	28	91	1,239	81.3	122.6
<i>Non-contaminated valsartan</i>	1	9	22	42	808	39.9	68.2
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6g. Summary of Time to End of At-Risk Period due to Switch to Contaminated Product for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Contaminated Product by Episode Length														
			0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days	
	Total Number of Episodes	Total Number of Episodes Censored due to Switch to Contaminated Product	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
Prevalent Use - All Censoring Options														
Any valsartan product	97,755	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Contaminated valsartan	69,786	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Non-contaminated valsartan	55,128	9,049	8,782	97.0%	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%
New Use - All Censoring Options														
Any valsartan product	42,106	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Contaminated valsartan	22,027	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Non-contaminated valsartan	17,782	1,412	1,352	95.8%	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	50,458	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, or Death														
Contaminated valsartan	21,976	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	54,619	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan														
Contaminated valsartan	21,977	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	43,077	13,195	12,047	91.3%	1,058	8.0%	*****	*****	*****	*****	0	0.0%	0	0.0%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan														
Non-contaminated valsartan	17,718	2,845	2,523	88.7%	299	10.5%	*****	*****	*****	*****	0	0.0%	0	0.0%

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number



**Table 6g. Summary of Time to End of At-Risk Period due to Switch to Contaminated Product for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Contaminated Product by Episode Length							
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Non-contaminated valsartan</i>	1	29	59	122	863	94.5	102.0
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Non-contaminated valsartan</i>	1	33	72	147	772	108.3	107.2
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	34	90	191	1,218	140.3	147.8
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	53	120	228	1,188	166.9	154.5

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\*NaN: Not a Number

**Table 6h. Summary of Time to End of At-Risk Period due to Switch to Non-Contaminated Product for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Non-Contaminated Product by Episode Length															
		0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days			
	Total Number of Episodes	Total Number of Episodes Censored due to Switch to Non-Contaminated Product													Percent of Total Episodes
		Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes		
Prevalent Use - All Censoring Options															
Any valsartan product	97,755	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	
Contaminated valsartan	69,786	8,111	7,589	93.6%	502	6.2%	*****	*****	*****	*****	0	0.0%	0	0.0%	
Non-contaminated valsartan	55,128	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	
New Use - All Censoring Options															
Any valsartan product	42,106	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	
Contaminated valsartan	22,027	1,395	1,263	90.5%	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	
Non-contaminated valsartan	17,782	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death															
Contaminated valsartan	50,458	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	
New Use - Censoring on Query/Data End Date, Disenrollment, or Death															
Contaminated valsartan	21,976	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan															
Contaminated valsartan	54,619	12,106	10,413	86.0%	1,560	12.9%	*****	*****	*****	*****	0	0.0%	0	0.0%	
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan															
Contaminated valsartan	21,977	2,971	2,446	82.3%	494	16.6%	*****	*****	*****	*****	0	0.0%	0	0.0%	
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan															
Non-contaminated valsartan	43,077	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan															
Non-contaminated valsartan	17,718	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6h. Summary of Time to End of At-Risk Period due to Switch to Non-Contaminated Product for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Non-Contaminated Product by Episode Length							
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	1	29	59	149	1,114	111.6	130.4
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	1	34	86	191	1,003	136.1	138.1
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	34	100	248	1,311	168.4	175.7
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	61	148	295	1,189	199.4	173.9
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN

\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6i. Summary of Time to End of At-Risk Period due to Switch to Unclassified Product for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Unclassified Product by Episode Length														
		0-364 days		365-729 days		730-1,094 days		1,095-1,459 days		1,460-1,824 days		1,825+ days		
	Total Number of Episodes	Total Number of Episodes Censored due to Switch to Unclassified Product	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes	Number of Episodes	Percent of Total Episodes
<b>Prevalent Use - All Censoring Options</b>														
<i>Any valsartan product</i>	97,755	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<i>Contaminated valsartan</i>	69,786	1,402	1,326	94.6%	76	5.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<i>Non-contaminated valsartan</i>	55,128	573	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<b>New Use - All Censoring Options</b>														
<i>Any valsartan product</i>	42,106	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<i>Contaminated valsartan</i>	22,027	240	220	91.7%	20	8.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<i>Non-contaminated valsartan</i>	17,782	97	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	0	0.0%
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>														
<i>Contaminated valsartan</i>	50,458	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>														
<i>Contaminated valsartan</i>	21,976	0	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN	0	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>														
<i>Contaminated valsartan</i>	54,619	1,993	1,737	87.2%	236	11.8%	20	1.0%	0	0.0%	0	0.0%	0	0.0%
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>														
<i>Contaminated valsartan</i>	21,977	489	410	83.8%	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>														
<i>Non-contaminated valsartan</i>	43,077	850	813	95.6%	*****	*****	*****	*****	*****	*****	0	0.0%	0	0.0%
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>														
<i>Non-contaminated valsartan</i>	17,718	177	162	91.5%	*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 6i. Summary of Time to End of At-Risk Period due to Switch to Unclassified Product for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Number of Episodes Censored due to Switch to Unclassified Product by Episode Length							
	Distribution of At-Risk Time in Days, by Episode						
	Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
<b>Prevalent Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	1	30	54	121	704	100.6	116.7
<i>Non-contaminated valsartan</i>	1	28	41	93	456	68.1	69.2
<b>New Use - All Censoring Options</b>							
<i>Any valsartan product</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<i>Contaminated valsartan</i>	1	34	91	181	704	133.7	132.6
<i>Non-contaminated valsartan</i>	1	30	58	117	456	80.3	77.3
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>New Use - Censoring on Query/Data End Date, Disenrollment, or Death</b>							
<i>Contaminated valsartan</i>	NaN	NaN	NaN	NaN	NaN	NaN	NaN
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	32	86	222	1,033	153.9	168.9
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan</b>							
<i>Contaminated valsartan</i>	1	58	140	287	965	194.2	168.2
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	30	63	132	1,271	103.6	117.4
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, or Switch to Unclassified Valsartan</b>							
<i>Non-contaminated valsartan</i>	1	35	92	186	1,062	133.9	138.7

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

\*NaN: Not a Number

**Table 7a. Categorical Summary of Patients' Cumulative Treatment Episode Durations<sup>1</sup> for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

		Number of Patients by Cumulative Treatment Episode Duration											
		0-90 Days		91-182 Days		183-364 Days		365-547 Days		548-729 Days		730+ Days	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
Prevalent Use - All Censoring Options													
Any valsartan product	67,150	31,705	47.2%	12,426	18.5%	12,985	19.3%	6,593	9.8%	2,659	4.0%	782	1.2%
Contaminated valsartan	50,385	23,382	46.4%	9,850	19.5%	10,100	20.0%	5,208	10.3%	1,431	2.8%	414	0.8%
Non-contaminated valsartan	39,736	22,745	57.2%	7,733	19.5%	6,048	15.2%	2,144	5.4%	817	2.1%	249	0.6%
New Use - All Censoring Options													
Any valsartan product	41,917	26,640	63.6%	6,925	16.5%	5,380	12.8%	2,064	4.9%	759	1.8%	149	0.4%
Contaminated valsartan	21,976	13,711	62.4%	4,074	18.5%	2,911	13.2%	1,008	4.6%	232	1.1%	40	0.2%
Non-contaminated valsartan	17,715	13,018	73.5%	2,567	14.5%	1,463	8.3%	454	2.6%	184	1.0%	29	0.2%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date													
Contaminated valsartan	50,385	14,084	28.0%	12,033	23.9%	13,330	26.5%	7,585	15.1%	2,633	5.2%	720	1.4%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date													
Contaminated valsartan	21,976	9,353	42.6%	5,744	26.1%	4,565	20.8%	1,699	7.7%	543	2.5%	72	0.3%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date													
Contaminated valsartan	50,385	16,027	31.8%	11,766	23.4%	12,806	25.4%	6,930	13.8%	2,250	4.5%	606	1.2%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date													
Contaminated valsartan	21,976	9,716	44.2%	5,632	25.6%	4,445	20.2%	1,624	7.4%	490	2.2%	69	0.3%

**Table 7a. Categorical Summary of Patients' Cumulative Treatment Episode Durations<sup>1</sup> for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Total Number of Patients	Number of Patients by Cumulative Treatment Episode Duration											
	0-90 Days		91-182 Days		183-364 Days		365-547 Days		548-729 Days		730+ Days	
	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End</b>												
<i>Non-contaminated</i>												
<i>valsartan</i>	39,736	15,279 38.5%	9,948	25.0%	9,008	22.7%	3,522	8.9%	1,514	3.8%	465	1.2%
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date</b>												
<i>Non-contaminated</i>												
<i>valsartan</i>	17,715	8,413 47.5%	4,427	25.0%	3,181	18.0%	1,117	6.3%	470	2.7%	107	0.6%

<sup>1</sup>Treatment episode duration was calculated based on time-on-treatment for each episode; episodes were censored at the end of the treatment episode.

**Table 7b. Continuous Summary of Patients' Cumulative Treatment Episode Durations<sup>1</sup> for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

		Distribution of Cumulative Treatment Episode Duration, days						
		Minimum	Q1	Median	Q3	Maximum	Mean	Standard Deviation
Prevalent Use - All Censoring Options								
Any valsartan product	67,150	1	36	103	255	1,411	172.2	183.0
Contaminated valsartan	50,385	1	38	106	248	1,316	167.0	169.9
Non-contaminated valsartan	39,736	1	27	65	173	1,384	127.7	150.8
New Use - All Censoring Options								
Any valsartan product	41,917	1	24	60	147	1,325	114.6	140.5
Contaminated valsartan	21,976	1	27	60	145	1,239	110.7	126.0
Non-contaminated valsartan	17,715	1	19	54	96	1,065	84.5	112.2
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date								
Contaminated valsartan	50,385	1	90	180	335	1,411	230.7	182.5
New Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date								
Contaminated valsartan	21,976	1	60	120	217	1,285	165.9	143.3
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date								
Contaminated valsartan	50,385	1	61	158	313	1,324	214.5	178.2
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date								
Contaminated valsartan	21,976	1	60	111	212	1,285	160.3	141.3
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End								
Non-contaminated valsartan	39,736	1	60	122	253	1,384	184.5	172.2
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date								
Non-contaminated valsartan	17,715	1	60	96	201	1,091	153.9	148.3

<sup>1</sup>Treatment episode duration was calculated based on time-on-treatment for each episode; episodes were censored at the end of the treatment episode.



**Table 8a. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

		Number of Patients by Cumulative Filled Dose <sup>1</sup>			
		<=7300 mg		7301-14600 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
Total Number of Patients					
Prevalent Use - All Censoring Options					
Any valsartan product	67,150	27,867	41.5%	11,519	17.2%
Contaminated valsartan	50,385	18,627	37.0%	9,455	18.8%
Non-contaminated valsartan	39,736	19,041	47.9%	7,384	18.6%
New Use - All Censoring Options					
Any valsartan product	41,917	23,973	57.2%	7,172	17.1%
Contaminated valsartan	21,976	11,690	53.2%	4,376	19.9%
Non-contaminated valsartan	17,715	12,121	68.4%	2,659	15.0%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date					
Contaminated valsartan	50,385	11,742	23.3%	9,782	19.4%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date					
Contaminated valsartan	21,976	8,125	37.0%	4,984	22.7%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date					
Contaminated valsartan	50,385	12,862	25.5%	9,830	19.5%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date					
Contaminated valsartan	21,976	8,283	37.7%	4,957	22.6%
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date					
Non-contaminated valsartan	39,736	12,775	32.1%	8,507	21.4%
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date					
Non-contaminated valsartan	17,715	8,324	47.0%	3,776	21.3%

\* Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup>Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 8a. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

		Number of Patients by Cumulative Filled Dose <sup>1</sup>					
14601-29200 mg		29201-43800 mg		43801-58400 mg		58401-116800 mg	
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
10,612	15.8%	5,280	7.9%	3,821	5.7%	5,912	8.8%
8,722	17.3%	4,193	8.3%	3,088	6.1%	4,703	9.3%
5,970	15.0%	2,712	6.8%	1,708	4.3%	2,258	5.7%
4,799	11.4%	2,091	5.0%	1,347	3.2%	1,966	4.7%
2,811	12.8%	1,134	5.2%	752	3.4%	987	4.5%
1,546	8.7%	575	3.2%	318	1.8%	408	2.3%
10,159	20.2%	5,095	10.1%	4,211	8.4%	6,670	13.2%
3,800	17.3%	1,626	7.4%	1,242	5.7%	1,676	7.6%
10,014	19.9%	4,979	9.9%	4,010	8.0%	6,246	12.4%
3,780	17.2%	1,610	7.3%	1,224	5.6%	1,627	7.4%
7,894	19.9%	3,714	9.3%	2,446	6.2%	3,362	8.5%
2,718	15.3%	1,125	6.4%	670	3.8%	910	5.1%

\* Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup>Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 8a. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

						Distribution of Cumulative Filled Dose			
116801-175200 mg		175201-233600 mg		233601+ mg		Minimum	Maximum	Mean	Standard Deviation
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients				
1,556	2.3%	427	0.6%	156	0.2%	1.2	14,419,200.0	26,088.3	103,807.5
1,206	2.4%	277	0.5%	114	0.2%	1.2	14,419,200.0	27,597.4	118,759.1
470	1.2%	135	0.3%	58	0.1%	3.1	38,158,400.0	20,750.5	210,483.4
414	1.0%	121	0.3%	34	0.1%	1.2	7,680,000.0	16,087.5	64,918.5
182	0.8%	*****	*****	*****	*****	1.2	4,800,000.0	15,652.6	40,184.5
60	0.3%	*****	*****	*****	*****	3.1	7,680,000.0	10,998.3	78,005.0
2,036	4.0%	494	1.0%	196	0.4%	1.2	14,419,200.0	38,191.2	148,294.9
414	1.9%	93	0.4%	16	0.1%	1.2	4,925,440.0	24,114.0	57,989.8
1,845	3.7%	430	0.9%	169	0.3%	1.2	14,419,200.0	35,703.8	136,051.4
395	1.8%	86	0.4%	14	0.1%	1.2	4,925,440.0	23,583.5	57,676.5
723	1.8%	229	0.6%	86	0.2%	3.1	38,158,400.0	28,208.1	230,954.5
143	0.8%	36	0.2%	13	0.1%	3.1	19,200,000.0	19,311.0	157,381.7

\* Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup>Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

		Number of Patients by Cumulative Filled Dose <sup>2</sup>								
		<=7300 mg			7301-14600 mg		14601-29200 mg		29201-43800 mg	
		Number of Patients	Percent of Total Patients		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
Prevalent Use - All Censoring Options										
Any valsartan product	67,150	27,867	100.0%	11,519	100.0%	10,612	100.0%	5,280	100.0%	
0-90 days	31,705	24,939	89.5%	5,332	46.3%	1,423	13.4%	*****	*****	
91-182 days	12,426	2,618	9.4%	4,294	37.3%	4,054	38.2%	1,066	20.2%	
183-364 days	12,985	*****	*****	1,734	15.1%	4,081	38.5%	2,808	53.2%	
365-547 days	6,593	*****	*****	*****	*****	880	8.3%	1,103	20.9%	
548-729 days	2,659	*****	*****	*****	*****	152	1.4%	261	4.9%	
730+ days	782	0	0.0%	*****	*****	22	0.2%	*****	*****	
Contaminated valsartan	50,385	18,627	100.0%	9,455	100.0%	8,722	100.0%	4,193	100.0%	
0-90 days	23,382	16,820	90.3%	5,011	53.0%	*****	*****	*****	*****	
91-182 days	9,850	1,607	8.6%	3,235	34.2%	3,575	41.0%	1,009	24.1%	
183-364 days	10,100	*****	*****	1,097	11.6%	2,958	33.9%	2,202	52.5%	
365-547 days	5,208	*****	*****	*****	*****	578	6.6%	850	20.3%	
548-729 days	1,431	0	0.0%	*****	*****	59	0.7%	*****	*****	
730+ days	414	0	0.0%	0	0.0%	11	0.1%	12	0.3%	
Non-contaminated valsartan	39,736	19,041	100.0%	7,384	100.0%	5,970	100.0%	2,712	100.0%	
0-90 days	22,745	17,468	91.7%	4,053	54.9%	*****	*****	*****	*****	
91-182 days	7,733	1,446	7.6%	2,468	33.4%	2,600	43.6%	871	32.1%	
183-364 days	6,048	*****	*****	811	11.0%	1,744	29.2%	1,379	50.8%	
365-547 days	2,144	*****	*****	*****	*****	340	5.7%	351	12.9%	
548-729 days	817	*****	*****	*****	*****	*****	*****	87	3.2%	
730+ days	249	0	0.0%	0	0.0%	*****	*****	*****	*****	
New Use - All Censoring Options										
Any valsartan product	41,917	23,973	100.0%	7,172	100.0%	4,799	100.0%	2,091	100.0%	
0-90 days	26,640	22,137	92.3%	3,797	52.9%	*****	*****	*****	*****	
91-182 days	6,925	1,705	7.1%	2,515	35.1%	2,064	43.0%	450	21.5%	
183-364 days	5,380	131	0.5%	821	11.4%	1,694	35.3%	1,174	56.1%	
365-547 days	2,064	0	0.0%	*****	*****	291	6.1%	375	17.9%	

**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

	Total Number of Patients	Number of Patients by Cumulative Filled Dose <sup>2</sup>							
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
548-729 days	759	0	0.0%	*****	*****	*****	*****	76	3.6%
730+ days	149	0	0.0%	*****	*****	*****	*****	*****	*****
<i>Contaminated valsartan</i>	<i>21,976</i>	<i>11,690</i>	<i>100.0%</i>	<i>4,376</i>	<i>100.0%</i>	<i>2,811</i>	<i>100.0%</i>	<i>1,134</i>	<i>100.0%</i>
0-90 days	13,711	10,730	91.8%	2,473	56.5%	*****	*****	*****	*****
91-182 days	4,074	884	7.6%	1,494	34.1%	1,279	45.5%	283	25.0%
183-364 days	2,911	76	0.7%	389	8.9%	907	32.3%	639	56.3%
365-547 days	1,008	0	0.0%	*****	*****	*****	*****	189	16.7%
548-729 days	232	0	0.0%	0	0.0%	*****	*****	*****	*****
730+ days	40	0	0.0%	*****	*****	*****	*****	*****	*****
<i>Non-contaminated valsartan</i>	<i>17,715</i>	<i>12,121</i>	<i>100.0%</i>	<i>2,659</i>	<i>100.0%</i>	<i>1,546</i>	<i>100.0%</i>	<i>575</i>	<i>100.0%</i>
0-90 days	13,018	11,356	93.7%	1,426	53.6%	*****	*****	*****	*****
91-182 days	2,567	732	6.0%	904	34.0%	699	45.2%	170	29.6%
183-364 days	1,463	33	0.3%	*****	*****	496	32.1%	289	50.3%
365-547 days	454	0	0.0%	*****	*****	102	6.6%	77	13.4%
548-729 days	184	0	0.0%	0	0.0%	18	1.2%	*****	*****
730+ days	29	0	0.0%	0	0.0%	0	0.0%	*****	*****
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date</b>									
<i>Contaminated valsartan</i>	<i>50,385</i>	<i>11,742</i>	<i>100.0%</i>	<i>9,782</i>	<i>100.0%</i>	<i>10,159</i>	<i>100.0%</i>	<i>5,095</i>	<i>100.0%</i>
0-90 days	14,084	9,122	77.7%	3,976	40.6%	*****	*****	*****	*****
91-182 days	12,033	2,314	19.7%	4,108	42.0%	4,236	41.7%	1,024	20.1%
183-364 days	13,330	*****	*****	1,527	15.6%	3,927	38.7%	2,781	54.6%
365-547 days	7,585	*****	*****	*****	*****	887	8.7%	1,040	20.4%
548-729 days	2,633	0	0.0%	*****	*****	113	1.1%	230	4.5%
730+ days	720	0	0.0%	0	0.0%	14	0.1%	*****	*****
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date</b>									
<i>Contaminated valsartan</i>	<i>21,976</i>	<i>8,125</i>	<i>100.0%</i>	<i>4,984</i>	<i>100.0%</i>	<i>3,800</i>	<i>100.0%</i>	<i>1,626</i>	<i>100.0%</i>
0-90 days	9,353	6,664	82.0%	2,272	45.6%	*****	*****	*****	*****
91-182 days	5,744	1,324	16.3%	2,087	41.9%	1,779	46.8%	409	25.2%

**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

	Total Number of Patients	Number of Patients by Cumulative Filled Dose <sup>2</sup>							
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
183-364 days	4,565	*****	*****	590	11.8%	1,359	35.8%	939	57.7%
365-547 days	1,699	*****	*****	*****	*****	221	5.8%	240	14.8%
548-729 days	543	0	0.0%	*****	*****	*****	*****	*****	*****
730+ days	72	0	0.0%	*****	*****	*****	*****	*****	*****
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date</b>									
<i>Contaminated valsartan</i>	50,385	12,862	100.0%	9,830	100.0%	10,014	100.0%	4,979	100.0%
0-90 days	16,027	10,410	80.9%	4,353	44.3%	*****	*****	*****	*****
91-182 days	11,766	2,167	16.8%	3,885	39.5%	4,178	41.7%	1,096	22.0%
183-364 days	12,806	*****	*****	1,432	14.6%	3,674	36.7%	2,703	54.3%
365-547 days	6,930	*****	*****	*****	*****	791	7.9%	966	19.4%
548-729 days	2,250	0	0.0%	*****	*****	100	1.0%	193	3.9%
730+ days	606	0	0.0%	0	0.0%	13	0.1%	*****	*****
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date</b>									
<i>Contaminated valsartan</i>	21,976	8,283	100.0%	4,957	100.0%	3,780	100.0%	1,610	100.0%
0-90 days	9,716	6,882	83.1%	2,355	47.5%	*****	*****	*****	*****
91-182 days	5,632	1,275	15.4%	2,002	40.4%	1,764	46.7%	418	26.0%
183-364 days	4,445	*****	*****	565	11.4%	1,312	34.7%	922	57.3%
365-547 days	1,624	*****	*****	*****	*****	206	5.4%	234	14.5%
548-729 days	490	0	0.0%	*****	*****	*****	*****	*****	*****
730+ days	69	0	0.0%	*****	*****	*****	*****	*****	*****
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date</b>									
<i>Non-contaminated valsartan</i>	39,736	12,775	100.0%	8,507	100.0%	7,894	100.0%	3,714	100.0%
0-90 days	15,279	10,387	81.3%	3,728	43.8%	*****	*****	*****	*****
91-182 days	9,948	2,179	17.1%	3,151	37.0%	3,213	40.7%	997	26.8%
183-364 days	9,008	*****	*****	1,531	18.0%	2,648	33.5%	1,878	50.6%
365-547 days	3,522	*****	*****	*****	*****	714	9.0%	587	15.8%
548-729 days	1,514	*****	*****	*****	*****	152	1.9%	207	5.6%
730+ days	465	0	0.0%	0	0.0%	12	0.2%	*****	*****
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date</b>									
<i>Non-contaminated valsartan</i>	17,715	8,324	100.0%	3,776	100.0%	2,718	100.0%	1,125	100.0%

**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

	Total Number of Patients	Number of Patients by Cumulative Filled Dose <sup>2</sup>							
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
0-90 days	8,413	6,743	81.0%	1,431	37.9%	*****	*****	*****	*****
91-182 days	4,427	1,511	18.2%	1,527	40.4%	1,064	39.1%	235	20.9%
183-364 days	3,181	*****	*****	801	21.2%	1,046	38.5%	568	50.5%
365-547 days	1,117	*****	*****	17	0.5%	318	11.7%	205	18.2%
548-729 days	470	0	0.0%	0	0.0%	*****	*****	99	8.8%
730+ days	107	0	0.0%	0	0.0%	*****	*****	*****	*****

\* Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup>Treatment episode duration was calculated based on time-on-treatment for each episode; episodes were censored at the end of the treatment episode.

<sup>2</sup>Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup>										Distribution of Cumulative Filled Dose			
43801-58400 mg		58401-116800 mg		116801-175200		175201-233600 mg		233601+ mg					
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Minimum	Maximum	Mean	Standard Deviation
3,821	100.0%	5,912	100.0%	1,556	100.0%	427	100.0%	156	100.0%	1.2	14,419,200.0	26,088.3	103,807.5
0	0.0%	0	0.0%	0	0.0%	*****	*****	*****	*****	1.2	2,754,000.0	4,686.2	16,182.2
*****	*****	*****	*****	0	0.0%	0	0.0%	*****	*****	3.1	14,419,200.0	19,273.9	149,405.3
2,002	52.4%	2,044	34.6%	*****	*****	*****	*****	*****	*****	1,897.2	4,871,360.0	38,001.9	65,382.5
1,073	28.1%	2,517	42.6%	855	54.9%	*****	*****	*****	*****	7,200.0	9,742,080.0	72,013.7	168,147.0
311	8.1%	1,125	19.0%	519	33.4%	277	64.9%	*****	*****	5,800.0	9,789,120.0	105,090.1	222,577.0
51	1.3%	*****	*****	*****	*****	*****	*****	133	85.3%	11,715.2	451,520.0	148,436.5	81,863.8
3,088	100.0%	4,703	100.0%	1,206	100.0%	277	100.0%	114	100.0%	1.2	14,419,200.0	27,597.4	118,759.1
0	0.0%	0	0.0%	0	0.0%	0	0.0%	*****	*****	1.2	4,800,000.0	5,748.5	32,743.1
*****	*****	*****	*****	0	0.0%	0	0.0%	*****	*****	960.0	14,419,200.0	20,517.0	147,527.1
1,712	55.4%	1,921	40.8%	*****	*****	*****	*****	*****	*****	896.0	9,670,400.0	43,444.8	155,874.8
780	25.3%	2,025	43.1%	854	70.8%	*****	*****	*****	*****	7,160.0	9,728,000.0	75,014.9	158,606.3
150	4.9%	626	13.3%	263	21.8%	213	76.9%	*****	*****	11,300.0	4,887,360.0	113,375.7	185,663.9
29	0.9%	*****	*****	*****	*****	*****	*****	92	80.7%	15,000.0	397,760.0	150,441.5	82,997.7
1,708	100.0%	2,258	100.0%	470	100.0%	135	100.0%	58	100.0%	3.1	38,158,400.0	20,750.5	210,483.4
0	0.0%	0	0.0%	0	0.0%	*****	*****	*****	*****	20.0	7,689,600.0	5,298.3	54,363.8
*****	*****	*****	*****	0	0.0%	0	0.0%	*****	*****	3.1	1,537,446.0	18,566.0	21,010.5
937	54.9%	1,043	46.2%	*****	*****	0	0.0%	*****	*****	1,897.2	9,685,120.0	43,189.7	177,912.2
322	18.9%	788	34.9%	288	61.3%	*****	*****	*****	*****	6,260.0	38,158,400.0	85,623.0	826,140.4
94	5.5%	358	15.9%	124	26.4%	85	63.0%	*****	*****	5,800.0	2,436,400.0	96,538.1	96,983.0
16	0.9%	*****	*****	*****	*****	*****	*****	45	77.6%	16,800.0	442,560.0	147,790.9	85,615.1
1,347	100.0%	1,966	100.0%	414	100.0%	121	100.0%	34	100.0%	1.2	7,680,000.0	16,087.5	64,918.5
0	0.0%	0	0.0%	0	0.0%	*****	*****	*****	*****	1.2	7,680,000.0	4,634.5	58,886.6
*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	3.1	62,080.0	15,972.3	10,664.9
757	56.2%	*****	*****	*****	*****	0	0.0%	*****	*****	1,897.2	4,871,360.0	38,121.8	95,683.5
265	19.7%	800	40.7%	298	72.0%	0	0.0%	*****	*****	7,400.0	3,098,148.0	69,213.9	77,064.9



**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup>										Distribution of Cumulative Filled Dose			
43801-58400 mg		58401-116800 mg		116801-175200		175201-233600 mg		233601+ mg					
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Minimum	Maximum	Mean	Standard Deviation
123	9.1%	328	16.7%	86	20.8%	90	74.4%	*****	*****	9,720.0	242,880.0	93,463.3	52,489.2
13	1.0%	*****	*****	*****	*****	*****	*****	*****	*****	11,715.2	345,600.0	143,461.7	82,568.7
752	100.0%	987	100.0%	182	100.0%	37	100.0%	*****	*****	1.2	4,800,000.0	15,652.6	40,184.5
0	0.0%	0	0.0%	0	0.0%	0	0.0%	*****	*****	1.2	4,800,000.0	5,044.9	41,194.7
*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	960.0	58,880.0	16,724.8	10,891.8
437	58.1%	*****	*****	*****	*****	0	0.0%	0	0.0%	2,400.0	124,800.0	37,482.4	23,173.1
142	18.9%	402	40.7%	143	78.6%	0	0.0%	0	0.0%	8,380.0	171,840.0	68,759.1	37,546.0
*****	*****	110	11.1%	*****	*****	*****	*****	*****	*****	20,400.0	242,880.0	100,988.3	51,540.1
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	13,800.0	319,360.0	120,605.0	77,228.7
318	100.0%	408	100.0%	60	100.0%	21	100.0%	*****	100.0%	3.1	7,680,000.0	10,998.3	78,005.0
0	0.0%	0	0.0%	0	0.0%	*****	*****	*****	*****	26.0	7,680,000.0	4,333.2	72,866.7
*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	3.1	62,080.0	15,243.5	10,717.2
167	52.5%	157	38.5%	0	0.0%	0	0.0%	*****	*****	1,897.2	4,862,720.0	35,115.9	128,113.0
62	19.5%	165	40.4%	*****	*****	0	0.0%	*****	*****	10,800.0	3,098,148.0	65,476.9	146,994.9
*****	*****	*****	*****	*****	*****	*****	*****	0	0.0%	22,520.0	203,840.0	79,675.0	46,964.7
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	33,720.0	278,720.0	121,852.8	71,163.4
4,211	100.0%	6,670	100.0%	2,036	100.0%	494	100.0%	196	100.0%	1.2	14,419,200.0	38,191.2	148,294.9
0	0.0%	0	0.0%	0	0.0%	0	0.0%	*****	*****	1.2	4,800,000.0	6,755.5	40,687.0
*****	*****	*****	*****	0	0.0%	0	0.0%	*****	*****	720.0	14,419,200.0	19,198.8	133,530.2
2,326	55.2%	2,456	36.8%	*****	*****	*****	*****	*****	*****	896.0	9,676,800.0	42,509.9	149,220.8
1,251	29.7%	2,949	44.2%	1,273	62.5%	*****	*****	*****	*****	5,920.0	9,729,600.0	78,936.0	184,393.4
237	5.6%	1,055	15.8%	616	30.3%	365	73.9%	*****	*****	9,600.0	9,769,600.0	120,925.6	308,665.0
51	1.2%	*****	*****	*****	*****	*****	*****	167	85.2%	15,000.0	424,320.0	158,769.7	84,688.8
1,242	100.0%	1,676	100.0%	414	100.0%	93	100.0%	16	100.0%	1.2	4,925,440.0	24,114.0	57,989.8
0	0.0%	0	0.0%	0	0.0%	0	0.0%	*****	*****	1.2	4,800,000.0	6,221.9	49,763.6
*****	*****	*****	*****	0	0.0%	0	0.0%	0	0.0%	1,760.0	67,200.0	16,566.9	10,686.1

**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup>										Distribution of Cumulative Filled Dose			
43801-58400 mg		58401-116800 mg		116801-175200		175201-233600 mg		233601+ mg					
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Minimum	Maximum	Mean	Standard Deviation
761	61.3%	777	46.4%	*****	*****	0	0.0%	*****	*****	2,248.0	2,407,200.0	39,353.8	42,293.0
267	21.5%	657	39.2%	280	67.6%	0	0.0%	0	0.0%	6,600.0	168,320.0	72,051.3	39,247.3
*****	*****	220	13.1%	117	28.3%	*****	*****	*****	*****	11,048.0	4,925,440.0	119,234.1	213,764.3
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	13,800.0	319,360.0	135,657.2	78,900.0
4,010	100.0%	6,246	100.0%	1,845	100.0%	430	100.0%	169	100.0%	1.2	14,419,200.0	35,703.8	136,051.4
0	0.0%	0	0.0%	0	0.0%	0	0.0%	*****	*****	1.2	4,800,000.0	6,742.0	38,224.1
*****	*****	*****	*****	0	0.0%	0	0.0%	*****	*****	1,200.0	14,419,200.0	19,992.1	136,834.0
2,213	55.2%	2,489	39.8%	*****	*****	*****	*****	*****	*****	896.0	9,676,800.0	43,985.4	162,912.0
1,112	27.7%	2,676	42.8%	1,216	65.9%	*****	*****	*****	*****	6,440.0	9,728,000.0	76,445.2	139,705.4
208	5.2%	908	14.5%	505	27.4%	321	74.7%	*****	*****	9,600.0	9,139,200.0	118,780.4	263,694.7
43	1.1%	*****	*****	*****	*****	*****	*****	142	84.0%	15,000.0	412,160.0	157,353.9	83,446.6
1,224	100.0%	1,627	100.0%	395	100.0%	86	100.0%	14	100.0%	1.2	4,925,440.0	23,583.5	57,676.5
0	0.0%	0	0.0%	0	0.0%	0	0.0%	*****	*****	1.2	4,800,000.0	6,274.0	48,848.1
*****	*****	*****	*****	0	0.0%	0	0.0%	*****	*****	1,760.0	2,406,000.0	17,311.4	33,678.8
739	60.4%	780	47.9%	*****	*****	0	0.0%	0	0.0%	2,248.0	153,600.0	39,267.1	23,986.1
248	20.3%	630	38.7%	272	68.9%	0	0.0%	0	0.0%	6,600.0	168,320.0	72,021.9	39,214.9
*****	*****	197	12.1%	106	26.8%	*****	*****	*****	*****	11,048.0	4,925,440.0	120,772.3	224,220.8
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	13,800.0	319,360.0	132,346.7	78,126.2
2,446	100.0%	3,362	100.0%	723	100.0%	229	100.0%	86	100.0%	3.1	38,158,400.0	28,208.1	230,954.5
*****	*****	0	0.0%	0	0.0%	0	0.0%	0	0.0%	20.0	53,760.0	6,170.8	5,435.6
397	16.2%	*****	*****	0	0.0%	0	0.0%	*****	*****	3.1	19,209,600.0	19,968.9	198,699.2
1,309	53.5%	1,426	42.4%	*****	*****	0	0.0%	*****	*****	2,509.2	9,685,120.0	39,867.5	148,602.9
517	21.1%	1,199	35.7%	403	55.7%	*****	*****	*****	*****	5,954.0	38,158,400.0	75,331.3	647,553.6
180	7.4%	599	17.8%	217	30.0%	*****	*****	*****	*****	5,800.0	3,124,242.0	92,036.4	111,693.3
*****	*****	*****	*****	*****	*****	*****	*****	68	79.1%	16,800.0	442,560.0	137,973.0	82,518.7
670	100.0%	910	100.0%	143	100.0%	36	100.0%	13	100.0%	3.1	19,200,000.0	19,311.0	157,381.7

**Table 8b. Summary of Cumulative Filled Dose in All Treatment Episodes for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Cumulative Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup>										Distribution of Cumulative Filled Dose			
43801-58400 mg		58401-116800 mg		116801-175200		175201-233600 mg		233601+ mg		Minimum	Maximum	Mean	Standard Deviation
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients				
0	0.0%	0	0.0%	0	0.0%	0	0.0%	*****	*****	40.0	19,200,000.0	7,107.1	209,999.4
*****	*****	*****	*****	0	0.0%	0	0.0%	*****	*****	3.1	239,547.7	13,890.0	10,842.0
364	54.3%	331	36.4%	0	0.0%	0	0.0%	*****	*****	2,509.2	4,862,720.0	32,968.2	97,963.4
145	21.6%	357	39.2%	*****	*****	0	0.0%	*****	*****	6,480.0	3,098,148.0	59,439.9	132,890.4
*****	*****	185	20.3%	43	30.1%	25	69.4%	*****	*****	20,124.0	3,124,242.0	80,254.6	147,375.4
*****	*****	*****	*****	28	19.6%	11	30.6%	*****	*****	26,080.0	333,440.0	110,523.0	64,919.0

\*Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup>Treatment episode duration was calculated based on time-on-treatment for each episode; episodes were censored at the end of the treatment episode.

<sup>2</sup>Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9a. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Total Number of Patients		Number of Patients by Cumulative Filled Dose <sup>1</sup> in First Treatment Episode								43801-558400 mg
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg		558400 mg
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients
Prevalent Use - All Censoring Options										
Any valsartan product	67,150	33,993	50.6%	12,629	18.8%	8,977	13.4%	3,778	5.6%	2,626
Contaminated valsartan	50,385	22,838	45.3%	10,565	21.0%	7,493	14.9%	3,041	6.0%	2,205
Non-contaminated valsartan	39,736	22,341	56.2%	7,539	19.0%	5,001	12.6%	1,935	4.9%	1,163
New Use - All Censoring Options										
Any valsartan product	41,917	24,031	57.3%	7,163	17.1%	4,780	11.4%	2,073	4.9%	1,343
Contaminated valsartan	21,976	11,705	53.3%	4,371	19.9%	2,808	12.8%	1,129	5.1%	752
Non-contaminated valsartan	17,715	12,144	68.6%	2,649	15.0%	1,542	8.7%	570	3.2%	315
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date										
Contaminated valsartan	50,385	15,510	30.8%	11,665	23.2%	9,455	18.8%	3,959	7.9%	3,181
New Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date										
Contaminated valsartan	21,976	8,143	37.1%	4,980	22.7%	3,797	17.3%	1,619	7.4%	1,240
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date										
Contaminated valsartan	50,385	16,794	33.3%	11,594	23.0%	9,154	18.2%	3,817	7.6%	2,990
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date										
Contaminated valsartan	21,976	8,301	37.8%	4,953	22.5%	3,777	17.2%	1,603	7.3%	1,222
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date										
Non-contaminated valsartan	39,736	16,268	40.9%	9,213	23.2%	6,860	17.3%	2,849	7.2%	1,753
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date										
Non-contaminated valsartan	17,715	8,349	47.1%	3,767	21.3%	2,714	15.3%	1,121	6.3%	664

\* Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup> Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9a. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

43801-558400 mg	Number of Patients by Cumulative Filled Dose <sup>1</sup> in First Treatment Episode								Distribution of Cumulative Filled Dose			
	58401-116800 mg		116801-175200 mg		175201-233600 mg		233601+ mg					
Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Minimum	Maximum	Mean	Standard Deviation
Prevalent Use - All Censoring Options												
3.9%	3,836	5.7%	955	1.4%	275	0.4%	81	0.1%	1.2	14,419,200.0	19,507.9	97,836.2
4.4%	3,171	6.3%	809	1.6%	191	0.4%	72	0.1%	1.2	14,419,200.0	21,499.6	114,837.2
2.9%	1,405	3.5%	247	0.6%	78	0.2%	27	0.1%	3.1	19,200,000.0	15,425.1	126,795.2
New Use - All Censoring Options												
3.2%	1,960	4.7%	412	1.0%	121	0.3%	34	0.1%	1.2	7,680,000.0	16,040.3	64,908.3
3.4%	985	4.5%	182	0.8%	*****	*****	*****	*****	1.2	4,800,000.0	15,634.6	40,181.9
1.8%	407	2.3%	60	0.3%	*****	*****	*****	*****	3.1	7,680,000.0	10,967.4	78,001.9
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date												
6.3%	4,693	9.3%	1,444	2.9%	351	0.7%	127	0.3%	1.2	14,419,200.0	30,609.1	145,056.2
New Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date												
5.6%	1,674	7.6%	414	1.9%	93	0.4%	16	0.1%	1.2	4,925,440.0	24,089.7	57,990.0
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date												
5.9%	4,344	8.6%	1,279	2.5%	306	0.6%	107	0.2%	1.2	14,419,200.0	28,370.7	132,549.1
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date												
5.6%	1,625	7.4%	395	1.8%	86	0.4%	14	0.1%	1.2	4,925,440.0	23,559.2	57,676.6
Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date												
4.4%	2,215	5.6%	403	1.0%	131	0.3%	44	0.1%	3.1	19,200,000.0	21,557.0	158,332.7
New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date												
3.7%	908	5.1%	143	0.8%	36	0.2%	13	0.1%	3.1	19,200,000.0	19,272.6	157,381.0

\*Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup>Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\*\*Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

		Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode									
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg		43801-58400 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
<b>Prevalent Use - All Censoring Options</b>											
<i>Any valsartan product</i>	67,150	33,993	100.0%	12,629	100.0%	8,977	100.0%	3,778	100.0%	2,626	100.0%
0-90 days	39,524	31,143	91.6%	6,939	54.9%	1,429	15.9%	*****	*****	0	0.0%
91-182 days	12,519	2,634	7.7%	4,420	35.0%	4,106	45.7%	985	26.1%	*****	*****
183-364 days	9,469	*****	*****	1,197	9.5%	2,885	32.1%	2,020	53.5%	1,542	58.7%
365-547 days	3,807	*****	*****	*****	*****	457	5.1%	615	16.3%	506	19.3%
548-729 days	1,486	0	0.0%	*****	*****	*****	*****	132	3.5%	189	7.2%
730+ days	345	0	0.0%	*****	*****	*****	*****	*****	*****	22	0.8%
<i>Contaminated valsartan</i>	50,385	22,838	100.0%	10,565	100.0%	7,493	100.0%	3,041	100.0%	2,205	100.0%
0-90 days	28,961	21,000	92.0%	6,379	60.4%	*****	*****	*****	*****	0	0.0%
91-182 days	9,764	1,690	7.4%	3,348	31.7%	3,451	46.1%	866	28.5%	*****	*****
183-364 days	7,348	*****	*****	777	7.4%	2,094	27.9%	1,568	51.6%	1,275	57.8%
365-547 days	3,248	*****	*****	*****	*****	328	4.4%	521	17.1%	419	19.0%
548-729 days	864	0	0.0%	*****	*****	*****	*****	*****	*****	97	4.4%
730+ days	200	0	0.0%	*****	*****	*****	*****	*****	*****	12	0.5%
<i>Non-contaminated valsartan</i>	39,736	22,341	100.0%	7,539	100.0%	5,001	100.0%	1,935	100.0%	1,163	100.0%
0-90 days	26,955	20,979	93.9%	4,747	63.0%	1,217	24.3%	*****	*****	0	0.0%
91-182 days	7,026	1,301	5.8%	2,242	29.7%	2,400	48.0%	758	39.2%	*****	*****
183-364 days	4,073	*****	*****	533	7.1%	1,183	23.7%	940	48.6%	636	54.7%
365-547 days	1,158	*****	*****	*****	*****	167	3.3%	173	8.9%	153	13.2%
548-729 days	424	0	0.0%	0	0.0%	*****	*****	*****	*****	*****	*****
730+ days	100	0	0.0%	0	0.0%	*****	*****	*****	*****	*****	*****
<b>New Use - All Censoring Options</b>											
<i>Any valsartan product</i>	41,917	24,031	100.0%	7,163	100.0%	4,780	100.0%	2,073	100.0%	1,343	100.0%

**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

	Total Number of Patients	Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode									
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg		43801-58400 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
0-90 days	26,734	22,214	92.4%	3,814	53.2%	*****	*****	*****	*****	0	0.0%
91-182 days	6,868	1,686	7.0%	2,492	34.8%	2,056	43.0%	444	21.4%	*****	*****
183-364 days	5,350	131	0.5%	817	11.4%	1,685	35.3%	1,163	56.1%	755	56.2%
365-547 days	2,059	0	0.0%	*****	*****	289	6.0%	375	18.1%	264	19.7%
548-729 days	757	0	0.0%	*****	*****	*****	*****	75	3.6%	123	9.2%
730+ days	149	0	0.0%	*****	*****	*****	*****	*****	*****	13	1.0%
<i>Contaminated valsartan</i>	<i>21,976</i>	<i>11,705</i>	<i>100.0%</i>	<i>4,371</i>	<i>100.0%</i>	<i>2,808</i>	<i>100.0%</i>	<i>1,129</i>	<i>100.0%</i>	<i>752</i>	<i>100.0%</i>
0-90 days	13,735	10,749	91.8%	2,478	56.7%	*****	*****	*****	*****	0	0.0%
91-182 days	4,059	880	7.5%	1,484	34.0%	1,279	45.5%	283	25.1%	*****	*****
183-364 days	2,903	76	0.6%	389	8.9%	903	32.2%	635	56.2%	438	58.2%
365-547 days	1,008	0	0.0%	*****	*****	*****	*****	189	16.7%	142	18.9%
548-729 days	231	0	0.0%	0	0.0%	*****	*****	*****	*****	*****	*****
730+ days	40	0	0.0%	*****	*****	*****	*****	*****	*****	*****	*****
<i>Non-contaminated</i>											
<i>valsartan</i>	<i>17,715</i>	<i>12,144</i>	<i>100.0%</i>	<i>2,649</i>	<i>100.0%</i>	<i>1,542</i>	<i>100.0%</i>	<i>570</i>	<i>100.0%</i>	<i>315</i>	<i>100.0%</i>
0-90 days	13,051	11,386	93.8%	1,430	54.0%	*****	*****	*****	*****	0	0.0%
91-182 days	2,543	725	6.0%	892	33.7%	697	45.2%	167	29.3%	*****	*****
183-364 days	1,456	33	0.3%	*****	*****	497	32.2%	287	50.4%	164	52.1%
365-547 days	452	0	0.0%	*****	*****	100	6.5%	77	13.5%	62	19.7%
548-729 days	184	0	0.0%	0	0.0%	18	1.2%	*****	*****	*****	*****
730+ days	29	0	0.0%	0	0.0%	0	0.0%	*****	*****	*****	*****
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date</b>											
<i>Contaminated valsartan</i>	<i>50,385</i>	<i>15,510</i>	<i>100.0%</i>	<i>11,665</i>	<i>100.0%</i>	<i>9,455</i>	<i>100.0%</i>	<i>3,959</i>	<i>100.0%</i>	<i>3,181</i>	<i>100.0%</i>
0-90 days	20,041	12,793	82.5%	5,977	51.2%	*****	*****	*****	*****	0	0.0%
91-182 days	13,028	2,479	16.0%	4,457	38.2%	4,590	48.5%	1,106	27.9%	*****	*****
183-364 days	10,407	*****	*****	1,129	9.7%	2,976	31.5%	2,084	52.6%	1,880	59.1%

**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

	Total Number of Patients	Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode									
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg		43801-58400 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
365-547 days	4,857	*****	*****	*****	*****	537	5.7%	614	15.5%	725	22.8%
548-729 days	1,700	0	0.0%	*****	*****	*****	*****	141	3.6%	164	5.2%
730+ days	352	0	0.0%	*****	*****	*****	*****	*****	*****	20	0.6%

**New Use - Censoring on Query/Data End Date, Disenrollment, Death, or Episode End Date**

<i>Contaminated valsartan</i>	21,976	8,143	100.0%	4,980	100.0%	3,797	100.0%	1,619	100.0%	1,240	100.0%
0-90 days	9,385	6,687	82.1%	2,281	45.8%	*****	*****	*****	*****	0	0.0%
91-182 days	5,724	1,319	16.2%	2,074	41.6%	1,778	46.8%	408	25.2%	*****	*****
183-364 days	4,557	*****	*****	590	11.8%	1,356	35.7%	934	57.7%	761	61.4%
365-547 days	1,696	*****	*****	*****	*****	222	5.8%	240	14.8%	265	21.4%
548-729 days	542	0	0.0%	*****	*****	*****	*****	*****	*****	*****	*****
730+ days	72	0	0.0%	*****	*****	*****	*****	*****	*****	*****	*****

**Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date**

<i>Contaminated valsartan</i>	50,385	16,794	100.0%	11,594	100.0%	9,154	100.0%	3,817	100.0%	2,990	100.0%
0-90 days	22,176	14,296	85.1%	6,330	54.6%	*****	*****	*****	*****	0	0.0%
91-182 days	12,300	2,284	13.6%	4,116	35.5%	4,333	47.3%	1,100	28.8%	*****	*****
183-364 days	9,755	*****	*****	1,058	9.1%	2,718	29.7%	1,996	52.3%	1,732	57.9%
365-547 days	4,411	*****	*****	*****	*****	484	5.3%	582	15.2%	640	21.4%
548-729 days	1,443	0	0.0%	*****	*****	*****	*****	123	3.2%	137	4.6%
730+ days	300	0	0.0%	*****	*****	*****	*****	*****	*****	20	0.7%

**New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, Switch to Unclassified Valsartan, or Episode End Date**

<i>Contaminated valsartan</i>	21,976	8,301	100.0%	4,953	100.0%	3,777	100.0%	1,603	100.0%	1,222	100.0%
0-90 days	9,748	6,905	83.2%	2,364	47.7%	*****	*****	*****	*****	0	0.0%
91-182 days	5,612	1,270	15.3%	1,989	40.2%	1,763	46.7%	417	26.0%	*****	*****
183-364 days	4,436	*****	*****	565	11.4%	1,309	34.7%	917	57.2%	738	60.4%
365-547 days	1,622	*****	*****	*****	*****	207	5.5%	234	14.6%	247	20.2%
548-729 days	489	0	0.0%	*****	*****	*****	*****	*****	*****	*****	*****



**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

	Total Number of Patients	Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode									
		<=7300 mg		7301-14600 mg		14601-29200 mg		29201-43800 mg		43801-58400 mg	
		Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients
730+ days	69	0	0.0%	*****	*****	*****	*****	*****	*****	*****	*****
<b>Prevalent Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date</b>											
<i>Non-contaminated</i>											
valsartan	39,736	16,268	100.0%	9,213	100.0%	6,860	100.0%	2,849	100.0%	1,753	100.0%
0-90 days	20,112	13,869	85.3%	4,919	53.4%	1,312	19.1%	*****	*****	*****	*****
91-182 days	10,013	2,293	14.1%	3,156	34.3%	3,171	46.2%	983	34.5%	*****	*****
183-364 days	6,508	*****	*****	1,110	12.0%	1,894	27.6%	1,372	48.2%	963	54.9%
365-547 days	2,045	*****	*****	28	0.3%	409	6.0%	334	11.7%	269	15.3%
548-729 days	849	0	0.0%	0	0.0%	*****	*****	128	4.5%	103	5.9%
730+ days	209	0	0.0%	0	0.0%	*****	*****	*****	*****	*****	*****
<b>New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Contaminated Valsartan Category, Switch to Unclassified Valsartan, or Episode End Date</b>											
<i>Non-contaminated</i>											
valsartan	17,715	8,349	100.0%	3,767	100.0%	2,714	100.0%	1,121	100.0%	664	100.0%
0-90 days	8,454	6,776	81.2%	1,438	38.2%	*****	*****	*****	*****	0	0.0%
91-182 days	4,403	1,503	18.0%	1,515	40.2%	1,063	39.2%	232	20.7%	*****	*****
183-364 days	3,167	*****	*****	797	21.2%	1,044	38.5%	567	50.6%	359	54.1%
365-547 days	1,114	*****	*****	17	0.5%	316	11.6%	205	18.3%	144	21.7%
548-729 days	470	0	0.0%	0	0.0%	*****	*****	99	8.8%	*****	*****
730+ days	107	0	0.0%	0	0.0%	*****	*****	*****	*****	*****	*****

**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode								Distribution of Cumulative Filled Dose			
58401-116800 mg		116801-175200 mg		175201-233600 mg		233601+ mg					
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Minimum	Maximum	Mean	Standard Deviation
14,419,20											
3,836	100.0%	955	100.0%	275	100.0%	81	100.0%	1.2	0.0	19,507.9	97,836.2
0	0.0%	0	0.0%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
1,603	41.8%	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A
1,497	39.0%	659	69.0%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
640	16.7%	213	22.3%	208	75.6%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	64	79.0%	N/A	N/A	N/A	N/A
14,419,20											
3,171	100.0%	809	100.0%	191	100.0%	72	100.0%	1.2	0.0	21,499.6	114,837.2
0	0.0%	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
1,478	46.6%	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A
1,267	40.0%	646	79.9%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
369	11.6%	119	14.7%	160	83.8%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	56	77.8%	N/A	N/A	N/A	N/A
19,200,00											
1,405	100.0%	247	100.0%	78	100.0%	27	100.0%	3.1	0.0	15,425.1	126,795.2
0	0.0%	0	0.0%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
715	50.9%	*****	*****	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
472	33.6%	173	70.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
185	13.2%	51	20.6%	58	74.4%	0	0.0%	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	16	59.3%	N/A	N/A	N/A	N/A
7,680,000.											
1,960	100.0%	412	100.0%	121	100.0%	34	100.0%	1.2	0	16,040.3	64,908.3

**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode								Distribution of Cumulative Filled Dose			
58401-116800 mg		116801-175200 mg		175201-233600 mg		233601+ mg		Minimum	Maximum	Mean	Standard Deviation
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients				
0	0.0%	0	0.0%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
*****	*****	*****	*****	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
798	40.7%	297	72.1%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
328	16.7%	85	20.6%	90	74.4%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A
4,800,000.											
985	100.0%	182	100.0%	*****	*****	*****	*****	1.2	0	15,634.6	40,181.9
0	0.0%	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
*****	*****	*****	*****	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
401	40.7%	143	78.6%	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
110	11.2%	29	15.9%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A
7,680,000.											
407	100.0%	60	100.0%	*****	*****	*****	*****	3.1	0	10,967.4	78,001.9
0	0.0%	0	0.0%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
156	38.3%	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
165	40.5%	*****	*****	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	0	0.0%	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A
14,419,20											
4,693	100.0%	1,444	100.0%	351	100.0%	127	100.0%	1.2	0.0	30,609.1	145,056.2
0	0.0%	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
2,090	44.5%	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A

**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode								Distribution of Cumulative Filled Dose			
58401-116800 mg		116801-175200 mg		175201-233600 mg		233601+ mg					
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Minimum	Maximum	Mean	Standard Deviation
1,851	39.4%	1,025	71.0%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
658	14.0%	345	23.9%	298	84.9%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	104	81.9%	N/A	N/A	N/A	N/A
4,925,440.											
1,674	100.0%	414	100.0%	93	100.0%	16	100.0%	1.2	0	24,089.7	57,990.0
0	0.0%	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
777	46.4%	*****	*****	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
655	39.1%	280	67.6%	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
220	13.1%	117	28.3%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A
14,419,20											
4,344	100.0%	1,279	100.0%	306	100.0%	107	100.0%	1.2	0.0	28,370.7	132,549.1
0	0.0%	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
2,029	46.7%	*****	*****	*****	*****	*****	*****	N/A	N/A	N/A	N/A
1,677	38.6%	936	73.2%	*****	*****	*****	*****	N/A	N/A	N/A	N/A
562	12.9%	281	22.0%	258	84.3%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	*****	*****	*****	*****	87	81.3%	N/A	N/A	N/A	N/A
4,925,440.											
1,625	100.0%	395	100.0%	86	100.0%	14	100.0%	1.2	0	23,559.2	57,676.6
0	0.0%	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
*****	*****	0	0.0%	0	0.0%	*****	*****	N/A	N/A	N/A	N/A
780	48.0%	*****	*****	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
628	38.6%	272	68.9%	0	0.0%	0	0.0%	N/A	N/A	N/A	N/A
197	12.1%	106	26.8%	*****	*****	*****	*****	N/A	N/A	N/A	N/A

**Table 9b. Summary of Cumulative Filled Dose in Each Patient's First Treatment Episode for Valsartan Use by Contamination Category in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018, by Episode Duration<sup>1</sup>**

Number of Patients by Cumulative Filled Dose <sup>2</sup> in First Treatment Episode								Distribution of Cumulative Filled Dose			
58401-116800 mg		116801-175200 mg		175201-233600 mg		233601+ mg					
Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Number of Patients	Percent of Total Patients	Minimum	Maximum	Mean	Standard Deviation
****	****	****	****	****	****	****	****	N/A	N/A	N/A	N/A
								19,200.00			
2,215	100.0%	403	100.0%	131	100.0%	44	100.0%	3.1	0.0	21,557.0	158,332.7
0	0.0%	0	0.0%	0	0.0%	****	****	N/A	N/A	N/A	N/A
****	****	0	0.0%	0	0.0%	****	****	N/A	N/A	N/A	N/A
1,058	47.8%	****	****	0	0.0%	****	****	N/A	N/A	N/A	N/A
748	33.8%	****	****	0	0.0%	****	****	N/A	N/A	N/A	N/A
340	15.3%	103	25.6%	102	77.9%	****	****	N/A	N/A	N/A	N/A
****	****	****	****	29	22.1%	28	63.6%	N/A	N/A	N/A	N/A
								19,200.00			
908	100.0%	143	100.0%	36	100.0%	13	100.0%	3.1	0.0	19,272.6	157,381.0
0	0.0%	0	0.0%	0	0.0%	****	****	N/A	N/A	N/A	N/A
****	****	0	0.0%	0	0.0%	****	****	N/A	N/A	N/A	N/A
329	36.2%	0	0.0%	0	0.0%	****	****	N/A	N/A	N/A	N/A
357	39.3%	****	****	0	0.0%	****	****	N/A	N/A	N/A	N/A
185	20.4%	43	30.1%	25	69.4%	****	****	N/A	N/A	N/A	N/A
****	****	28	19.6%	11	30.6%	****	****	N/A	N/A	N/A	N/A

\* Cumulative dose is calculated after dispensings are stockpiled by multiplying the drug strength by the amount dispensed in each dispensing and summing over all dispensings identified by the relevant drug code(s).

<sup>1</sup>Treatment episode duration was calculated based on time-on-treatment for each episode; episodes were censored at the end of the treatment episode.

<sup>2</sup>Cumulative dose categories determined by using 80mg as a maximum daily dose for diuretic combination products and 320 mg as a maximum daily dose for single valsartan products, and assuming <6, 6-12, 13-18, 19-24 and 25+ exposure months.

\*\*\*\* Data are not presented in these cells due to a small sample size or to assure a small cell cannot be recalculated through the cells presented.

**Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

	Prevalent Use - All Censoring Options	
	Any valsartan product	
		Remaining
<b>Members meeting enrollment and demographic requirements</b>		
Enrolled at any point during the query period		90,683,315
Had required coverage type (medical and/or drug coverage)		90,683,315
Enrolled during specified age range		50,539,290
Had requestable medical charts		50,539,290
Met demographic requirements (sex, race, and Hispanic origin)		50,538,186
<b>Members with a valid index event</b>		
Had any cohort-defining claim during the query period		197,484
<b>Cohort episodes with a valid index date</b>		
Total number of claims with cohort-identifying codes during the query period		2,006,018
Claim recorded during specified age range		2,004,542
Episode defining index claim recorded during the query period		321,834
<b>Cohort episodes with required pre-index history</b>		
Had sufficient pre-index continuous enrollment		137,402
Met inclusion and exclusion criteria <sup>1</sup>		97,755

Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018

Prevalent Use - All Censoring Options					New Use - All Censoring Options				
Any valsartan product		valsartan		contaminated	Any valsartan product		Contaminated valsartan		
Excluded		Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
N/A		90,683,315	N/A	90,683,315	N/A	90,683,315	N/A	90,683,315	N/A
0		90,683,315	0	90,683,315	0	90,683,315	0	90,683,315	0
40,144,025		50,539,290	40,144,025	50,539,290	40,144,025	50,539,290	40,144,025	50,539,290	40,144,025
0		50,539,290	0	50,539,290	0	50,539,290	0	50,539,290	0
1,104		50,538,186	1,104	50,538,186	1,104	50,538,186	1,104	50,538,186	1,104
50,340,702		128,808	50,409,378	115,959	50,422,227	197,484	50,340,702	128,808	50,409,378
N/A		1,071,595	N/A	819,612	N/A	2,006,018	N/A	1,071,595	N/A
1,476		1,070,896	699	818,912	700	2,004,542	1,476	1,070,896	699
1,682,708		201,494	869,402	180,844	638,068	321,834	1,682,708	201,494	869,402
184,432		97,568	103,926	78,037	102,807	137,402	184,432	97,568	103,926
39,647		69,786	27,782	55,128	22,909	42,106	95,296	22,027	75,541

**Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

		Prevalent Use - Censoring on		New Use - Censoring on		Prevalent Use - Censoring on Query/Data End Date,	
Non-contaminated valsartan		Contaminated valsartan		Contaminated valsartan		Contaminated valsartan	
Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
90,683,315	N/A	90,683,315	N/A	90,683,315	N/A	90,683,315	N/A
90,683,315	0	90,683,315	0	90,683,315	0	90,683,315	0
50,539,290	40,144,025	50,539,290	40,144,025	50,539,290	40,144,025	50,539,290	40,144,025
50,539,290	0	50,539,290	0	50,539,290	0	50,539,290	0
50,538,186	1,104	50,538,186	1,104	50,538,186	1,104	50,538,186	1,104
115,959	50,422,227	128,808	50,409,378	128,808	50,409,378	128,808	50,409,378
819,612	N/A	1,071,595	N/A	1,071,595	N/A	1,071,595	N/A
818,912	700	1,070,896	699	1,070,896	699	1,070,896	699
180,844	638,068	201,494	869,402	201,494	869,402	201,494	869,402
78,037	102,807	97,568	103,926	97,568	103,926	97,568	103,926
17,782	60,255	69,786	27,782	22,027	75,541	69,786	27,782



Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018

New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan		
Contaminated valsartan		
Remaining		Excluded
90,683,315		N/A
90,683,315		0
50,539,290		40,144,025
50,539,290		0
50,538,186		1,104
128,808		50,409,378
1,071,595		N/A
1,070,896		699
201,494		869,402
97,568		103,926
22,027		75,541

Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018

Prevalent Use - Censoring on Query/Data End Date,		New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to	
Non-contaminated valsartan		Non-contaminated valsartan	
Remaining	Excluded	Remaining	Excluded
90,683,315	N/A	90,683,315	N/A
90,683,315	0	90,683,315	0
50,539,290	40,144,025	50,539,290	40,144,025
50,539,290	0	50,539,290	0
50,538,186	1,104	50,538,186	1,104
115,959	50,422,227	115,959	50,422,227
819,612	N/A	819,612	N/A
818,912	700	818,912	700
180,844	638,068	180,844	638,068
78,037	102,807	78,037	102,807
55,128	22,909	17,782	60,255

**Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

	Prevalent Use - All Censoring Options
	Any valsartan product
	Remaining
<b>Members meeting enrollment and demographic requirements</b>	
<i>Evidence of cancer</i>	N/A
<i>Evidence of chemo</i>	N/A
<i>Evidence of radiation</i>	N/A
<i>Evidence of surgery</i>	N/A
<i>Evidence of washout</i>	N/A
Met event incidence criteria	97,755
<b>Cohort episodes with required post-index follow-up</b>	
Had sufficient post-index continuous enrollment	97,755
Met minimum days' supply criteria	97,755
Met minimum episode duration criteria	97,755
Episode duration was longer than blackout period	97,755
Did not have an event during blackout period	97,755
Episode overlapped with prior cohort episode	N/A
<b>Final cohort</b>	
Number of members	67,150
Number of episodes	97,755

<sup>1</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

**Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Prevalent Use - All Censoring Options					New Use - All Censoring Options			
Any valsartan product		valsartan		contaminated		Any valsartan product		Contaminated valsartan
Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
10,701	N/A	7,934	N/A	6,156	N/A	10,701	N/A	7,934
31,333	N/A	21,581	N/A	18,124	N/A	31,333	N/A	21,581
589	N/A	425	N/A	324	N/A	589	N/A	425
4,291	N/A	3,211	N/A	2,401	N/A	4,291	N/A	3,211
N/A	N/A	N/A	N/A	N/A	N/A	78,029	N/A	66,689
0	69,786	0	55,128	0	42,106	0	22,027	0
0	69,786	0	55,128	0	42,106	0	22,027	0
0	69,786	0	55,128	0	42,106	0	22,027	0
0	69,786	0	55,128	0	42,106	0	22,027	0
0	69,786	0	55,128	0	42,106	0	22,027	0
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	50,385	N/A	39,736	N/A	41,917	N/A	21,976	N/A
N/A	69,786	N/A	55,128	N/A	42,106	N/A	22,027	N/A

<sup>1</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

**Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

		Prevalent Use - Censoring on		New Use - Censoring on		Prevalent Use - Censoring on Query/Data End Date,	
Non-contaminated valsartan		Contaminated valsartan		Contaminated valsartan		Contaminated valsartan	
Remaining	Excluded	Remaining	Excluded	Remaining	Excluded	Remaining	Excluded
N/A	6,156	N/A	7,934	N/A	7,934	N/A	7,934
N/A	18,124	N/A	21,581	N/A	21,581	N/A	21,581
N/A	324	N/A	425	N/A	425	N/A	425
N/A	2,401	N/A	3,211	N/A	3,211	N/A	3,211
N/A	52,619	N/A	N/A	N/A	66,689	N/A	N/A
17,782	0	69,786	0	22,027	0	69,786	0
17,782	0	69,786	0	22,027	0	69,786	0
17,782	0	69,786	0	22,027	0	69,786	0
17,782	0	69,786	0	22,027	0	69,786	0
17,782	0	69,786	0	22,027	0	69,786	0
N/A	N/A	50,458	19,328	21,976	51	54,619	15,167
17,715	N/A	50,385	N/A	21,976	N/A	50,385	N/A
17,782	N/A	50,458	N/A	21,976	N/A	54,619	N/A

<sup>1</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018

New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to Non-Contaminated Valsartan, or Switch to Unclassified Valsartan	
Contaminated valsartan	
Remaining	Excluded
N/A	7,934
N/A	21,581
N/A	425
N/A	3,211
N/A	66,689
22,027	0
22,027	0
22,027	0
22,027	0
22,027	0
22,027	0
21,977	50
21,976	N/A
21,977	N/A

<sup>1</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

**Table 10. Summary of Episode Level Cohort Attrition in the Sentinel Distributed Database from May 1, 2012 to December 31, 2018**

Prevalent Use - Censoring on Query/Data End Date,		New Use - Censoring on Query/Data End Date, Disenrollment, Death, Switch to	
Non-contaminated valsartan		Non-contaminated valsartan	
Remaining	Excluded	Remaining	Excluded
N/A	6,156	N/A	6,156
N/A	18,124	N/A	18,124
N/A	324	N/A	324
N/A	2,401	N/A	2,401
N/A	N/A	N/A	52,619
55,128	0	17,782	0
55,128	0	17,782	0
55,128	0	17,782	0
55,128	0	17,782	0
55,128	0	17,782	0
55,128	0	17,782	0
43,077	12,051	17,718	64
39,736	N/A	17,715	N/A
43,077	N/A	17,718	N/A

<sup>1</sup>Episodes can meet multiple inclusion and/or exclusion criteria; therefore, the total number of episodes excluded overall may not equal the sum of all episodes in each criterion.

**Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (June 23, 2023)**

Masked DP ID	DP Start Date	DP End Date <sup>1</sup>
DP01	01/01/2014	12/31/2018

<sup>1</sup>End Date represents the earliest of: (1) query end date, or (2) last day of the most recent month for which all of a Data Partner's data tables (enrollment, dispensing, etc.) have at least 80% of the record count relative to the prior month.



**Appendix B. List of Generic and Brand Names of Medical Products Used to Define Exposures in this Request**

Generic Name	Brand Name
<b>Any Valsartan Products</b>	
Valsartan	Valsartan
aliskiren/valsartan	Valturna
amlodipine besylate/valsartan	Exforge
amlodipine besylate/valsartan	amlodipine-valsartan
amlodipine besylate/valsartan/hydrochlorothiazide	Exforge HCT
amlodipine besylate/valsartan/hydrochlorothiazide	amlodipine-valsartan-hcthiazid
amlodipine/valsartan	amlodipine/valsartan
amlodipine/valsartan/hydrochlorothiazide	amlodipine/valsartan/hydrochlorothiazide
nebivolol HCl/valsartan	Byvalson
sacubitril/valsartan	Entresto
valsartan	Diovan
valsartan	valsartan
valsartan/hydrochlorothiazide	Diovan HCT
valsartan/hydrochlorothiazide	valsartan-hydrochlorothiazide
valsartan/hydrochlorothiazide	valsartan/hydrochlorothiazide
<b>Contaminated Valsartan Products</b>	
amlodipine besylate/valsartan	amlodipine-valsartan
amlodipine besylate/valsartan/hydrochlorothiazide	amlodipine-valsartan-hcthiazid
amlodipine/valsartan	amlodipine/valsartan
valsartan	valsartan
valsartan/hydrochlorothiazide	valsartan-hydrochlorothiazide
valsartan/hydrochlorothiazide	valsartan/hydrochlorothiazide
<b>Non-Contaminated Valsartan Products</b>	
Valsartan	Valsartan
aliskiren/valsartan	Valturna
amlodipine besylate/valsartan	Exforge
amlodipine besylate/valsartan	amlodipine-valsartan
amlodipine besylate/valsartan/hydrochlorothiazide	Exforge HCT
amlodipine besylate/valsartan/hydrochlorothiazide	amlodipine-valsartan-hcthiazid
amlodipine/valsartan	amlodipine/valsartan
amlodipine/valsartan/hydrochlorothiazide	amlodipine/valsartan/hydrochlorothiazide
sacubitril/valsartan	Entresto
valsartan	Diovan
valsartan	valsartan
valsartan/hydrochlorothiazide	Diovan HCT
valsartan/hydrochlorothiazide	valsartan-hydrochlorothiazide
valsartan/hydrochlorothiazide	valsartan/hydrochlorothiazide

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
<b>Cancer</b>			
140	Malignant neoplasm of lip	Diagnosis	ICD-9-CM
140.0	Malignant neoplasm of upper lip, vermilion border	Diagnosis	ICD-9-CM
140.1	Malignant neoplasm of lower lip, vermilion border	Diagnosis	ICD-9-CM
140.3	Malignant neoplasm of upper lip, inner aspect	Diagnosis	ICD-9-CM
140.4	Malignant neoplasm of lower lip, inner aspect	Diagnosis	ICD-9-CM
140.5	Malignant neoplasm of lip, inner aspect, unspecified as to upper or lower	Diagnosis	ICD-9-CM
140.6	Malignant neoplasm of commissure of lip	Diagnosis	ICD-9-CM
140.8	Malignant neoplasm of other sites of lip	Diagnosis	ICD-9-CM
140.9	Malignant neoplasm of lip, vermilion border, unspecified as to upper or lower	Diagnosis	ICD-9-CM
141	Malignant neoplasm of tongue	Diagnosis	ICD-9-CM
141.0	Malignant neoplasm of base of tongue	Diagnosis	ICD-9-CM
141.1	Malignant neoplasm of dorsal surface of tongue	Diagnosis	ICD-9-CM
141.2	Malignant neoplasm of tip and lateral border of tongue	Diagnosis	ICD-9-CM
141.3	Malignant neoplasm of ventral surface of tongue	Diagnosis	ICD-9-CM
141.4	Malignant neoplasm of anterior two-thirds of tongue, part unspecified	Diagnosis	ICD-9-CM
141.5	Malignant neoplasm of junctional zone of tongue	Diagnosis	ICD-9-CM
141.6	Malignant neoplasm of lingual tonsil	Diagnosis	ICD-9-CM
141.8	Malignant neoplasm of other sites of tongue	Diagnosis	ICD-9-CM
141.9	Malignant neoplasm of tongue, unspecified site	Diagnosis	ICD-9-CM
142	Malignant neoplasm of major salivary glands	Diagnosis	ICD-9-CM
142.0	Malignant neoplasm of parotid gland	Diagnosis	ICD-9-CM
142.1	Malignant neoplasm of submandibular gland	Diagnosis	ICD-9-CM
142.2	Malignant neoplasm of sublingual gland	Diagnosis	ICD-9-CM
142.8	Malignant neoplasm of other major salivary glands	Diagnosis	ICD-9-CM
142.9	Malignant neoplasm of salivary gland, unspecified	Diagnosis	ICD-9-CM
143	Malignant neoplasm of gum	Diagnosis	ICD-9-CM
143.0	Malignant neoplasm of upper gum	Diagnosis	ICD-9-CM
143.1	Malignant neoplasm of lower gum	Diagnosis	ICD-9-CM
143.8	Malignant neoplasm of other sites of gum	Diagnosis	ICD-9-CM
143.9	Malignant neoplasm of gum, unspecified site	Diagnosis	ICD-9-CM
144	Malignant neoplasm of floor of mouth	Diagnosis	ICD-9-CM
144.0	Malignant neoplasm of anterior portion of floor of mouth	Diagnosis	ICD-9-CM
144.1	Malignant neoplasm of lateral portion of floor of mouth	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
144.8	Malignant neoplasm of other sites of floor of mouth	Diagnosis	ICD-9-CM
144.9	Malignant neoplasm of floor of mouth, part unspecified	Diagnosis	ICD-9-CM
145	Malignant neoplasm of other and unspecified parts of mouth	Diagnosis	ICD-9-CM
145.0	Malignant neoplasm of cheek mucosa	Diagnosis	ICD-9-CM
145.1	Malignant neoplasm of vestibule of mouth	Diagnosis	ICD-9-CM
145.2	Malignant neoplasm of hard palate	Diagnosis	ICD-9-CM
145.3	Malignant neoplasm of soft palate	Diagnosis	ICD-9-CM
145.4	Malignant neoplasm of uvula	Diagnosis	ICD-9-CM
145.5	Malignant neoplasm of palate, unspecified	Diagnosis	ICD-9-CM
145.6	Malignant neoplasm of retromolar area	Diagnosis	ICD-9-CM
145.8	Malignant neoplasm of other specified parts of mouth	Diagnosis	ICD-9-CM
145.9	Malignant neoplasm of mouth, unspecified site	Diagnosis	ICD-9-CM
146	Malignant neoplasm of oropharynx	Diagnosis	ICD-9-CM
146.0	Malignant neoplasm of tonsil	Diagnosis	ICD-9-CM
146.1	Malignant neoplasm of tonsillar fossa	Diagnosis	ICD-9-CM
146.2	Malignant neoplasm of tonsillar pillars (anterior) (posterior)	Diagnosis	ICD-9-CM
146.3	Malignant neoplasm of vallecula	Diagnosis	ICD-9-CM
146.4	Malignant neoplasm of anterior aspect of epiglottis	Diagnosis	ICD-9-CM
146.5	Malignant neoplasm of junctional region of oropharynx	Diagnosis	ICD-9-CM
146.6	Malignant neoplasm of lateral wall of oropharynx	Diagnosis	ICD-9-CM
146.7	Malignant neoplasm of posterior wall of oropharynx	Diagnosis	ICD-9-CM
146.8	Malignant neoplasm of other specified sites of oropharynx	Diagnosis	ICD-9-CM
146.9	Malignant neoplasm of oropharynx, unspecified site	Diagnosis	ICD-9-CM
147	Malignant neoplasm of nasopharynx	Diagnosis	ICD-9-CM
147.0	Malignant neoplasm of superior wall of nasopharynx	Diagnosis	ICD-9-CM
147.1	Malignant neoplasm of posterior wall of nasopharynx	Diagnosis	ICD-9-CM
147.2	Malignant neoplasm of lateral wall of nasopharynx	Diagnosis	ICD-9-CM
147.3	Malignant neoplasm of anterior wall of nasopharynx	Diagnosis	ICD-9-CM
147.8	Malignant neoplasm of other specified sites of nasopharynx	Diagnosis	ICD-9-CM
147.9	Malignant neoplasm of nasopharynx, unspecified site	Diagnosis	ICD-9-CM
148	Malignant neoplasm of hypopharynx	Diagnosis	ICD-9-CM
148.0	Malignant neoplasm of postcricoid region of hypopharynx	Diagnosis	ICD-9-CM
148.1	Malignant neoplasm of pyriform sinus	Diagnosis	ICD-9-CM
148.2	Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
148.3	Malignant neoplasm of posterior hypopharyngeal wall	Diagnosis	ICD-9-CM
148.8	Malignant neoplasm of other specified sites of hypopharynx	Diagnosis	ICD-9-CM
148.9	Malignant neoplasm of hypopharynx, unspecified site	Diagnosis	ICD-9-CM
149	Malignant neoplasm of other and ill-defined sites within the lip, oral cavity, and pharynx	Diagnosis	ICD-9-CM
149.0	Malignant neoplasm of pharynx, unspecified	Diagnosis	ICD-9-CM
149.1	Malignant neoplasm of Waldeyer's ring	Diagnosis	ICD-9-CM
149.8	Malignant neoplasm of other sites within the lip and oral cavity	Diagnosis	ICD-9-CM
149.9	Malignant neoplasm of ill-defined sites of lip and oral cavity	Diagnosis	ICD-9-CM
150	Malignant neoplasm of esophagus	Diagnosis	ICD-9-CM
150.0	Malignant neoplasm of cervical esophagus	Diagnosis	ICD-9-CM
150.1	Malignant neoplasm of thoracic esophagus	Diagnosis	ICD-9-CM
150.2	Malignant neoplasm of abdominal esophagus	Diagnosis	ICD-9-CM
150.3	Malignant neoplasm of upper third of esophagus	Diagnosis	ICD-9-CM
150.4	Malignant neoplasm of middle third of esophagus	Diagnosis	ICD-9-CM
150.5	Malignant neoplasm of lower third of esophagus	Diagnosis	ICD-9-CM
150.8	Malignant neoplasm of other specified part of esophagus	Diagnosis	ICD-9-CM
150.9	Malignant neoplasm of esophagus, unspecified site	Diagnosis	ICD-9-CM
151	Malignant neoplasm of stomach	Diagnosis	ICD-9-CM
151.0	Malignant neoplasm of cardia	Diagnosis	ICD-9-CM
151.1	Malignant neoplasm of pylorus	Diagnosis	ICD-9-CM
151.2	Malignant neoplasm of pyloric antrum	Diagnosis	ICD-9-CM
151.3	Malignant neoplasm of fundus of stomach	Diagnosis	ICD-9-CM
151.4	Malignant neoplasm of body of stomach	Diagnosis	ICD-9-CM
151.5	Malignant neoplasm of lesser curvature of stomach, unspecified	Diagnosis	ICD-9-CM
151.6	Malignant neoplasm of greater curvature of stomach, unspecified	Diagnosis	ICD-9-CM
151.8	Malignant neoplasm of other specified sites of stomach	Diagnosis	ICD-9-CM
151.9	Malignant neoplasm of stomach, unspecified site	Diagnosis	ICD-9-CM
152	Malignant neoplasm of small intestine, including duodenum	Diagnosis	ICD-9-CM
152.0	Malignant neoplasm of duodenum	Diagnosis	ICD-9-CM
152.1	Malignant neoplasm of jejunum	Diagnosis	ICD-9-CM
152.2	Malignant neoplasm of ileum	Diagnosis	ICD-9-CM
152.3	Malignant neoplasm of Meckel's diverticulum	Diagnosis	ICD-9-CM
152.8	Malignant neoplasm of other specified sites of small intestine	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
152.9	Malignant neoplasm of small intestine, unspecified site	Diagnosis	ICD-9-CM
153	Malignant neoplasm of colon	Diagnosis	ICD-9-CM
153.0	Malignant neoplasm of hepatic flexure	Diagnosis	ICD-9-CM
153.1	Malignant neoplasm of transverse colon	Diagnosis	ICD-9-CM
153.2	Malignant neoplasm of descending colon	Diagnosis	ICD-9-CM
153.3	Malignant neoplasm of sigmoid colon	Diagnosis	ICD-9-CM
153.4	Malignant neoplasm of cecum	Diagnosis	ICD-9-CM
153.5	Malignant neoplasm of appendix	Diagnosis	ICD-9-CM
153.6	Malignant neoplasm of ascending colon	Diagnosis	ICD-9-CM
153.7	Malignant neoplasm of splenic flexure	Diagnosis	ICD-9-CM
153.8	Malignant neoplasm of other specified sites of large intestine	Diagnosis	ICD-9-CM
153.9	Malignant neoplasm of colon, unspecified site	Diagnosis	ICD-9-CM
154	Malignant neoplasm of rectum, rectosigmoid junction, and anus	Diagnosis	ICD-9-CM
154.0	Malignant neoplasm of rectosigmoid junction	Diagnosis	ICD-9-CM
154.1	Malignant neoplasm of rectum	Diagnosis	ICD-9-CM
154.2	Malignant neoplasm of anal canal	Diagnosis	ICD-9-CM
154.3	Malignant neoplasm of anus, unspecified site	Diagnosis	ICD-9-CM
154.8	Malignant neoplasm of other sites of rectum, rectosigmoid junction, and anus	Diagnosis	ICD-9-CM
155	Malignant neoplasm of liver and intrahepatic bile ducts	Diagnosis	ICD-9-CM
155.0	Malignant neoplasm of liver, primary	Diagnosis	ICD-9-CM
155.1	Malignant neoplasm of intrahepatic bile ducts	Diagnosis	ICD-9-CM
155.2	Malignant neoplasm of liver, not specified as primary or secondary	Diagnosis	ICD-9-CM
156	Malignant neoplasm of gallbladder and extrahepatic bile ducts	Diagnosis	ICD-9-CM
156.0	Malignant neoplasm of gallbladder	Diagnosis	ICD-9-CM
156.1	Malignant neoplasm of extrahepatic bile ducts	Diagnosis	ICD-9-CM
156.2	Malignant neoplasm of ampulla of Vater	Diagnosis	ICD-9-CM
156.8	Malignant neoplasm of other specified sites of gallbladder and extrahepatic bile ducts	Diagnosis	ICD-9-CM
156.9	Malignant neoplasm of biliary tract, part unspecified site	Diagnosis	ICD-9-CM
157	Malignant neoplasm of pancreas	Diagnosis	ICD-9-CM
157.0	Malignant neoplasm of head of pancreas	Diagnosis	ICD-9-CM
157.1	Malignant neoplasm of body of pancreas	Diagnosis	ICD-9-CM
157.2	Malignant neoplasm of tail of pancreas	Diagnosis	ICD-9-CM
157.3	Malignant neoplasm of pancreatic duct	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
157.4	Malignant neoplasm of islets of Langerhans	Diagnosis	ICD-9-CM
157.8	Malignant neoplasm of other specified sites of pancreas	Diagnosis	ICD-9-CM
157.9	Malignant neoplasm of pancreas, part unspecified	Diagnosis	ICD-9-CM
158	Malignant neoplasm of retroperitoneum and peritoneum	Diagnosis	ICD-9-CM
158.0	Malignant neoplasm of retroperitoneum	Diagnosis	ICD-9-CM
158.8	Malignant neoplasm of specified parts of peritoneum	Diagnosis	ICD-9-CM
158.9	Malignant neoplasm of peritoneum, unspecified	Diagnosis	ICD-9-CM
159	Malignant neoplasm of other and ill-defined sites within the digestive organs and peritoneum	Diagnosis	ICD-9-CM
159.0	Malignant neoplasm of intestinal tract, part unspecified	Diagnosis	ICD-9-CM
159.1	Malignant neoplasm of spleen, not elsewhere classified	Diagnosis	ICD-9-CM
159.8	Malignant neoplasm of other sites of digestive system and intra-abdominal organs	Diagnosis	ICD-9-CM
159.9	Malignant neoplasm of ill-defined sites of digestive organs and peritoneum	Diagnosis	ICD-9-CM
160	Malignant neoplasm of nasal cavities, middle ear, and accessory sinuses	Diagnosis	ICD-9-CM
160.0	Malignant neoplasm of nasal cavities	Diagnosis	ICD-9-CM
160.1	Malignant neoplasm of auditory tube, middle ear, and mastoid air cells	Diagnosis	ICD-9-CM
160.2	Malignant neoplasm of maxillary sinus	Diagnosis	ICD-9-CM
160.3	Malignant neoplasm of ethmoidal sinus	Diagnosis	ICD-9-CM
160.4	Malignant neoplasm of frontal sinus	Diagnosis	ICD-9-CM
160.5	Malignant neoplasm of sphenoidal sinus	Diagnosis	ICD-9-CM
160.8	Malignant neoplasm of other sites of nasal cavities, middle ear, and accessory sinuses	Diagnosis	ICD-9-CM
160.9	Malignant neoplasm of site of nasal cavities, middle ear, and accessory sinus, unspecified site	Diagnosis	ICD-9-CM
161	Malignant neoplasm of larynx	Diagnosis	ICD-9-CM
161.0	Malignant neoplasm of glottis	Diagnosis	ICD-9-CM
161.1	Malignant neoplasm of supraglottis	Diagnosis	ICD-9-CM
161.2	Malignant neoplasm of subglottis	Diagnosis	ICD-9-CM
161.3	Malignant neoplasm of laryngeal cartilages	Diagnosis	ICD-9-CM
161.8	Malignant neoplasm of other specified sites of larynx	Diagnosis	ICD-9-CM
161.9	Malignant neoplasm of larynx, unspecified site	Diagnosis	ICD-9-CM
162	Malignant neoplasm of trachea, bronchus, and lung	Diagnosis	ICD-9-CM
162.0	Malignant neoplasm of trachea	Diagnosis	ICD-9-CM
162.2	Malignant neoplasm of main bronchus	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
162.3	Malignant neoplasm of upper lobe, bronchus, or lung	Diagnosis	ICD-9-CM
162.4	Malignant neoplasm of middle lobe, bronchus, or lung	Diagnosis	ICD-9-CM
162.5	Malignant neoplasm of lower lobe, bronchus, or lung	Diagnosis	ICD-9-CM
162.8	Malignant neoplasm of other parts of bronchus or lung	Diagnosis	ICD-9-CM
162.9	Malignant neoplasm of bronchus and lung, unspecified site	Diagnosis	ICD-9-CM
163	Malignant neoplasm of pleura	Diagnosis	ICD-9-CM
163.0	Malignant neoplasm of parietal pleura	Diagnosis	ICD-9-CM
163.1	Malignant neoplasm of visceral pleura	Diagnosis	ICD-9-CM
163.8	Malignant neoplasm of other specified sites of pleura	Diagnosis	ICD-9-CM
163.9	Malignant neoplasm of pleura, unspecified site	Diagnosis	ICD-9-CM
164	Malignant neoplasm of thymus, heart, and mediastinum	Diagnosis	ICD-9-CM
164.0	Malignant neoplasm of thymus	Diagnosis	ICD-9-CM
164.1	Malignant neoplasm of heart	Diagnosis	ICD-9-CM
164.2	Malignant neoplasm of anterior mediastinum	Diagnosis	ICD-9-CM
164.3	Malignant neoplasm of posterior mediastinum	Diagnosis	ICD-9-CM
164.8	Malignant neoplasm of other parts of mediastinum	Diagnosis	ICD-9-CM
164.9	Malignant neoplasm of mediastinum, part unspecified	Diagnosis	ICD-9-CM
165	Malignant neoplasm of other and ill-defined sites within the respiratory system and intrathoracic organs	Diagnosis	ICD-9-CM
165.0	Malignant neoplasm of upper respiratory tract, part unspecified	Diagnosis	ICD-9-CM
165.8	Malignant neoplasm of other sites within the respiratory system and intrathoracic organs	Diagnosis	ICD-9-CM
165.9	Malignant neoplasm of ill-defined sites within the respiratory system	Diagnosis	ICD-9-CM
170	Malignant neoplasm of bone and articular cartilage	Diagnosis	ICD-9-CM
170.0	Malignant neoplasm of bones of skull and face, except mandible	Diagnosis	ICD-9-CM
170.1	Malignant neoplasm of mandible	Diagnosis	ICD-9-CM
170.2	Malignant neoplasm of vertebral column, excluding sacrum and coccyx	Diagnosis	ICD-9-CM
170.3	Malignant neoplasm of ribs, sternum, and clavicle	Diagnosis	ICD-9-CM
170.4	Malignant neoplasm of scapula and long bones of upper limb	Diagnosis	ICD-9-CM
170.5	Malignant neoplasm of short bones of upper limb	Diagnosis	ICD-9-CM
170.6	Malignant neoplasm of pelvic bones, sacrum, and coccyx	Diagnosis	ICD-9-CM
170.7	Malignant neoplasm of long bones of lower limb	Diagnosis	ICD-9-CM
170.8	Malignant neoplasm of short bones of lower limb	Diagnosis	ICD-9-CM
170.9	Malignant neoplasm of bone and articular cartilage, site unspecified	Diagnosis	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
171	Malignant neoplasm of connective and other soft tissue	Diagnosis	ICD-9-CM
171.0	Malignant neoplasm of connective and other soft tissue of head, face, and neck	Diagnosis	ICD-9-CM
171.2	Malignant neoplasm of connective and other soft tissue of upper limb, including shoulder	Diagnosis	ICD-9-CM
171.3	Malignant neoplasm of connective and other soft tissue of lower limb, including hip	Diagnosis	ICD-9-CM
171.4	Malignant neoplasm of connective and other soft tissue of thorax	Diagnosis	ICD-9-CM
171.5	Malignant neoplasm of connective and other soft tissue of abdomen	Diagnosis	ICD-9-CM
171.6	Malignant neoplasm of connective and other soft tissue of pelvis	Diagnosis	ICD-9-CM
171.7	Malignant neoplasm of connective and other soft tissue of trunk, unspecified site	Diagnosis	ICD-9-CM
171.8	Malignant neoplasm of other specified sites of connective and other soft tissue	Diagnosis	ICD-9-CM
171.9	Malignant neoplasm of connective and other soft tissue, site unspecified	Diagnosis	ICD-9-CM
173.1	Other and unspecified malignant neoplasm of eyelid, including canthus	Diagnosis	ICD-9-CM
173.10	Unspecified malignant neoplasm of eyelid, including canthus	Diagnosis	ICD-9-CM
173.11	Basal cell carcinoma of eyelid, including canthus	Diagnosis	ICD-9-CM
173.12	Squamous cell carcinoma of eyelid, including canthus	Diagnosis	ICD-9-CM
173.19	Other specified malignant neoplasm of eyelid, including canthus	Diagnosis	ICD-9-CM
174	Malignant neoplasm of female breast	Diagnosis	ICD-9-CM
174.0	Malignant neoplasm of nipple and areola of female breast	Diagnosis	ICD-9-CM
174.1	Malignant neoplasm of central portion of female breast	Diagnosis	ICD-9-CM
174.2	Malignant neoplasm of upper-inner quadrant of female breast	Diagnosis	ICD-9-CM
174.3	Malignant neoplasm of lower-inner quadrant of female breast	Diagnosis	ICD-9-CM
174.4	Malignant neoplasm of upper-outer quadrant of female breast	Diagnosis	ICD-9-CM
174.5	Malignant neoplasm of lower-outer quadrant of female breast	Diagnosis	ICD-9-CM
174.6	Malignant neoplasm of axillary tail of female breast	Diagnosis	ICD-9-CM
174.8	Malignant neoplasm of other specified sites of female breast	Diagnosis	ICD-9-CM
174.9	Malignant neoplasm of breast (female), unspecified site	Diagnosis	ICD-9-CM
175	Malignant neoplasm of male breast	Diagnosis	ICD-9-CM
175.0	Malignant neoplasm of nipple and areola of male breast	Diagnosis	ICD-9-CM
175.9	Malignant neoplasm of other and unspecified sites of male breast	Diagnosis	ICD-9-CM
176	Kaposi's sarcoma	Diagnosis	ICD-9-CM
176.1	Kaposi's sarcoma of soft tissue	Diagnosis	ICD-9-CM
176.2	Kaposi's sarcoma of palate	Diagnosis	ICD-9-CM
176.3	Kaposi's sarcoma of gastrointestinal sites	Diagnosis	ICD-9-CM
176.4	Kaposi's sarcoma of lung	Diagnosis	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
176.5	Kaposi's sarcoma of lymph nodes	Diagnosis	ICD-9-CM
176.8	Kaposi's sarcoma of other specified sites	Diagnosis	ICD-9-CM
176.9	Kaposi's sarcoma of unspecified site	Diagnosis	ICD-9-CM
179	Malignant neoplasm of uterus, part unspecified	Diagnosis	ICD-9-CM
180	Malignant neoplasm of cervix uteri	Diagnosis	ICD-9-CM
180.0	Malignant neoplasm of endocervix	Diagnosis	ICD-9-CM
180.1	Malignant neoplasm of exocervix	Diagnosis	ICD-9-CM
180.8	Malignant neoplasm of other specified sites of cervix	Diagnosis	ICD-9-CM
180.9	Malignant neoplasm of cervix uteri, unspecified site	Diagnosis	ICD-9-CM
181	Malignant neoplasm of placenta	Diagnosis	ICD-9-CM
182	Malignant neoplasm of body of uterus	Diagnosis	ICD-9-CM
182.0	Malignant neoplasm of corpus uteri, except isthmus	Diagnosis	ICD-9-CM
182.1	Malignant neoplasm of isthmus	Diagnosis	ICD-9-CM
182.8	Malignant neoplasm of other specified sites of body of uterus	Diagnosis	ICD-9-CM
183	Malignant neoplasm of ovary and other uterine adnexa	Diagnosis	ICD-9-CM
183.0	Malignant neoplasm of ovary	Diagnosis	ICD-9-CM
183.2	Malignant neoplasm of fallopian tube	Diagnosis	ICD-9-CM
183.3	Malignant neoplasm of broad ligament of uterus	Diagnosis	ICD-9-CM
183.4	Malignant neoplasm of parametrium of uterus	Diagnosis	ICD-9-CM
183.5	Malignant neoplasm of round ligament of uterus	Diagnosis	ICD-9-CM
183.8	Malignant neoplasm of other specified sites of uterine adnexa	Diagnosis	ICD-9-CM
183.9	Malignant neoplasm of uterine adnexa, unspecified site	Diagnosis	ICD-9-CM
184	Malignant neoplasm of other and unspecified female genital organs	Diagnosis	ICD-9-CM
184.0	Malignant neoplasm of vagina	Diagnosis	ICD-9-CM
184.1	Malignant neoplasm of labia majora	Diagnosis	ICD-9-CM
184.2	Malignant neoplasm of labia minora	Diagnosis	ICD-9-CM
184.3	Malignant neoplasm of clitoris	Diagnosis	ICD-9-CM
184.4	Malignant neoplasm of vulva, unspecified site	Diagnosis	ICD-9-CM
184.8	Malignant neoplasm of other specified sites of female genital organs	Diagnosis	ICD-9-CM
184.9	Malignant neoplasm of female genital organ, site unspecified	Diagnosis	ICD-9-CM
185	Malignant neoplasm of prostate	Diagnosis	ICD-9-CM
186	Malignant neoplasm of testis	Diagnosis	ICD-9-CM
186.0	Malignant neoplasm of undescended testis	Diagnosis	ICD-9-CM
186.9	Malignant neoplasm of other and unspecified testis	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
187	Malignant neoplasm of penis and other male genital organs	Diagnosis	ICD-9-CM
187.1	Malignant neoplasm of prepuce	Diagnosis	ICD-9-CM
187.2	Malignant neoplasm of glans penis	Diagnosis	ICD-9-CM
187.3	Malignant neoplasm of body of penis	Diagnosis	ICD-9-CM
187.4	Malignant neoplasm of penis, part unspecified	Diagnosis	ICD-9-CM
187.5	Malignant neoplasm of epididymis	Diagnosis	ICD-9-CM
187.6	Malignant neoplasm of spermatic cord	Diagnosis	ICD-9-CM
187.7	Malignant neoplasm of scrotum	Diagnosis	ICD-9-CM
187.8	Malignant neoplasm of other specified sites of male genital organs	Diagnosis	ICD-9-CM
187.9	Malignant neoplasm of male genital organ, site unspecified	Diagnosis	ICD-9-CM
188	Malignant neoplasm of bladder	Diagnosis	ICD-9-CM
188.0	Malignant neoplasm of trigone of urinary bladder	Diagnosis	ICD-9-CM
188.1	Malignant neoplasm of dome of urinary bladder	Diagnosis	ICD-9-CM
188.2	Malignant neoplasm of lateral wall of urinary bladder	Diagnosis	ICD-9-CM
188.3	Malignant neoplasm of anterior wall of urinary bladder	Diagnosis	ICD-9-CM
188.4	Malignant neoplasm of posterior wall of urinary bladder	Diagnosis	ICD-9-CM
188.5	Malignant neoplasm of bladder neck	Diagnosis	ICD-9-CM
188.6	Malignant neoplasm of ureteric orifice	Diagnosis	ICD-9-CM
188.7	Malignant neoplasm of urachus	Diagnosis	ICD-9-CM
188.8	Malignant neoplasm of other specified sites of bladder	Diagnosis	ICD-9-CM
188.9	Malignant neoplasm of bladder, part unspecified	Diagnosis	ICD-9-CM
189	Malignant neoplasm of kidney and other and unspecified urinary organs	Diagnosis	ICD-9-CM
189.0	Malignant neoplasm of kidney, except pelvis	Diagnosis	ICD-9-CM
189.1	Malignant neoplasm of renal pelvis	Diagnosis	ICD-9-CM
189.2	Malignant neoplasm of ureter	Diagnosis	ICD-9-CM
189.3	Malignant neoplasm of urethra	Diagnosis	ICD-9-CM
189.4	Malignant neoplasm of paraurethral glands	Diagnosis	ICD-9-CM
189.8	Malignant neoplasm of other specified sites of urinary organs	Diagnosis	ICD-9-CM
189.9	Malignant neoplasm of urinary organ, site unspecified	Diagnosis	ICD-9-CM
190	Malignant neoplasm of eye	Diagnosis	ICD-9-CM
190.0	Malignant neoplasm of eyeball, except conjunctiva, cornea, retina, and choroid	Diagnosis	ICD-9-CM
190.1	Malignant neoplasm of orbit	Diagnosis	ICD-9-CM
190.2	Malignant neoplasm of lacrimal gland	Diagnosis	ICD-9-CM
190.3	Malignant neoplasm of conjunctiva	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
190.4	Malignant neoplasm of cornea	Diagnosis	ICD-9-CM
190.5	Malignant neoplasm of retina	Diagnosis	ICD-9-CM
190.6	Malignant neoplasm of choroid	Diagnosis	ICD-9-CM
190.7	Malignant neoplasm of lacrimal duct	Diagnosis	ICD-9-CM
190.8	Malignant neoplasm of other specified sites of eye	Diagnosis	ICD-9-CM
190.9	Malignant neoplasm of eye, part unspecified	Diagnosis	ICD-9-CM
191	Malignant neoplasm of brain	Diagnosis	ICD-9-CM
191.0	Malignant neoplasm of cerebrum, except lobes and ventricles	Diagnosis	ICD-9-CM
191.1	Malignant neoplasm of frontal lobe of brain	Diagnosis	ICD-9-CM
191.2	Malignant neoplasm of temporal lobe of brain	Diagnosis	ICD-9-CM
191.3	Malignant neoplasm of parietal lobe of brain	Diagnosis	ICD-9-CM
191.4	Malignant neoplasm of occipital lobe of brain	Diagnosis	ICD-9-CM
191.5	Malignant neoplasm of ventricles of brain	Diagnosis	ICD-9-CM
191.6	Malignant neoplasm of cerebellum NOS	Diagnosis	ICD-9-CM
191.7	Malignant neoplasm of brain stem	Diagnosis	ICD-9-CM
191.8	Malignant neoplasm of other parts of brain	Diagnosis	ICD-9-CM
191.9	Malignant neoplasm of brain, unspecified site	Diagnosis	ICD-9-CM
192	Malignant neoplasm of other and unspecified parts of nervous system	Diagnosis	ICD-9-CM
192.0	Malignant neoplasm of cranial nerves	Diagnosis	ICD-9-CM
192.1	Malignant neoplasm of cerebral meninges	Diagnosis	ICD-9-CM
192.2	Malignant neoplasm of spinal cord	Diagnosis	ICD-9-CM
192.3	Malignant neoplasm of spinal meninges	Diagnosis	ICD-9-CM
192.8	Malignant neoplasm of other specified sites of nervous system	Diagnosis	ICD-9-CM
192.9	Malignant neoplasm of nervous system, part unspecified	Diagnosis	ICD-9-CM
193	Malignant neoplasm of thyroid gland	Diagnosis	ICD-9-CM
194	Malignant neoplasm of other endocrine glands and related structures	Diagnosis	ICD-9-CM
194.0	Malignant neoplasm of adrenal gland	Diagnosis	ICD-9-CM
194.1	Malignant neoplasm of parathyroid gland	Diagnosis	ICD-9-CM
194.3	Malignant neoplasm of pituitary gland and craniopharyngeal duct	Diagnosis	ICD-9-CM
194.4	Malignant neoplasm of pineal gland	Diagnosis	ICD-9-CM
194.5	Malignant neoplasm of carotid body	Diagnosis	ICD-9-CM
194.6	Malignant neoplasm of aortic body and other paraganglia	Diagnosis	ICD-9-CM
194.8	Malignant neoplasm of other endocrine glands and related structures	Diagnosis	ICD-9-CM
194.9	Malignant neoplasm of endocrine gland, site unspecified	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
195	Malignant neoplasm of other and ill-defined sites	Diagnosis	ICD-9-CM
195.0	Malignant neoplasm of head, face, and neck	Diagnosis	ICD-9-CM
195.1	Malignant neoplasm of thorax	Diagnosis	ICD-9-CM
195.2	Malignant neoplasm of abdomen	Diagnosis	ICD-9-CM
195.3	Malignant neoplasm of pelvis	Diagnosis	ICD-9-CM
195.4	Malignant neoplasm of upper limb	Diagnosis	ICD-9-CM
195.5	Malignant neoplasm of lower limb	Diagnosis	ICD-9-CM
195.8	Malignant neoplasm of other specified sites	Diagnosis	ICD-9-CM
196	Secondary and unspecified malignant neoplasm of lymph nodes	Diagnosis	ICD-9-CM
196.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
196.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
196.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
196.3	Secondary and unspecified malignant neoplasm of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
196.5	Secondary and unspecified malignant neoplasm of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
196.6	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
196.8	Secondary and unspecified malignant neoplasm of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
196.9	Secondary and unspecified malignant neoplasm of lymph nodes, site unspecified	Diagnosis	ICD-9-CM
197	Secondary malignant neoplasm of respiratory and digestive systems	Diagnosis	ICD-9-CM
197.0	Secondary malignant neoplasm of lung	Diagnosis	ICD-9-CM
197.1	Secondary malignant neoplasm of mediastinum	Diagnosis	ICD-9-CM
197.2	Secondary malignant neoplasm of pleura	Diagnosis	ICD-9-CM
197.3	Secondary malignant neoplasm of other respiratory organs	Diagnosis	ICD-9-CM
197.4	Secondary malignant neoplasm of small intestine including duodenum	Diagnosis	ICD-9-CM
197.5	Secondary malignant neoplasm of large intestine and rectum	Diagnosis	ICD-9-CM
197.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	Diagnosis	ICD-9-CM
197.7	Secondary malignant neoplasm of liver	Diagnosis	ICD-9-CM
197.8	Secondary malignant neoplasm of other digestive organs and spleen	Diagnosis	ICD-9-CM
198	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-9-CM
198.0	Secondary malignant neoplasm of kidney	Diagnosis	ICD-9-CM
198.1	Secondary malignant neoplasm of other urinary organs	Diagnosis	ICD-9-CM
198.3	Secondary malignant neoplasm of brain and spinal cord	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
198.4	Secondary malignant neoplasm of other parts of nervous system	Diagnosis	ICD-9-CM
198.5	Secondary malignant neoplasm of bone and bone marrow	Diagnosis	ICD-9-CM
198.6	Secondary malignant neoplasm of ovary	Diagnosis	ICD-9-CM
198.7	Secondary malignant neoplasm of adrenal gland	Diagnosis	ICD-9-CM
198.8	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-9-CM
198.81	Secondary malignant neoplasm of breast	Diagnosis	ICD-9-CM
198.82	Secondary malignant neoplasm of genital organs	Diagnosis	ICD-9-CM
198.89	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-9-CM
199	Malignant neoplasm without specification of site	Diagnosis	ICD-9-CM
199.0	Disseminated malignant neoplasm	Diagnosis	ICD-9-CM
199.1	Other malignant neoplasm of unspecified site	Diagnosis	ICD-9-CM
199.2	Malignant neoplasm associated with transplanted organ	Diagnosis	ICD-9-CM
200	Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue	Diagnosis	ICD-9-CM
200.0	Reticulosarcoma	Diagnosis	ICD-9-CM
200.00	Reticulosarcoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.01	Reticulosarcoma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.02	Reticulosarcoma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.03	Reticulosarcoma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.04	Reticulosarcoma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.05	Reticulosarcoma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.06	Reticulosarcoma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.07	Reticulosarcoma of spleen	Diagnosis	ICD-9-CM
200.08	Reticulosarcoma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
200.1	Lymphosarcoma	Diagnosis	ICD-9-CM
200.10	Lymphosarcoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.11	Lymphosarcoma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.12	Lymphosarcoma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.13	Lymphosarcoma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.14	Lymphosarcoma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.15	Lymphosarcoma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.16	Lymphosarcoma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.17	Lymphosarcoma of spleen	Diagnosis	ICD-9-CM
200.18	Lymphosarcoma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
200.2	Burkitt's tumor or lymphoma	Diagnosis	ICD-9-CM
200.20	Burkitt's tumor or lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.21	Burkitt's tumor or lymphoma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.22	Burkitt's tumor or lymphoma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.23	Burkitt's tumor or lymphoma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.24	Burkitt's tumor or lymphoma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.25	Burkitt's tumor or lymphoma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.26	Burkitt's tumor or lymphoma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.27	Burkitt's tumor or lymphoma of spleen	Diagnosis	ICD-9-CM
200.28	Burkitt's tumor or lymphoma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
200.3	Marginal zone lymphoma	Diagnosis	ICD-9-CM
200.30	Marginal zone lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.31	Marginal zone lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.32	Marginal zone lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.33	Marginal zone lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.34	Marginal zone lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.35	Marginal zone lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.36	Marginal zone lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.37	Marginal zone lymphoma, spleen	Diagnosis	ICD-9-CM
200.38	Marginal zone lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-9-CM
200.4	Mantle cell lymphoma	Diagnosis	ICD-9-CM
200.40	Mantle cell lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.41	Mantle cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.42	Mantle cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.43	Mantle cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.44	Mantle cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.45	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.46	Mantle cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.47	Mantle cell lymphoma, spleen	Diagnosis	ICD-9-CM
200.48	Mantle cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-9-CM
200.5	Primary central nervous system lymphoma	Diagnosis	ICD-9-CM
200.50	Primary central nervous system lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.51	Primary central nervous system lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
200.52	Primary central nervous system lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.53	Primary central nervous system lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.54	Primary central nervous system lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.55	Primary central nervous system lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.56	Primary central nervous system lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.57	Primary central nervous system lymphoma, spleen	Diagnosis	ICD-9-CM
200.58	Primary central nervous system lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-9-CM
200.6	Anaplastic large cell lymphoma	Diagnosis	ICD-9-CM
200.60	Anaplastic large cell lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.61	Anaplastic large cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.62	Anaplastic large cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.63	Anaplastic large cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.64	Anaplastic large cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.65	Anaplastic large cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.66	Anaplastic large cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.67	Anaplastic large cell lymphoma, spleen	Diagnosis	ICD-9-CM
200.68	Anaplastic large cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-9-CM
200.7	Large cell lymphoma	Diagnosis	ICD-9-CM
200.70	Large cell lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.71	Large cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.72	Large cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-9-CM
200.73	Large cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.74	Large cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.75	Large cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.76	Large cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.77	Large cell lymphoma, spleen	Diagnosis	ICD-9-CM
200.78	Large cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-9-CM
200.8	Other named variants of lymphosarcoma and reticulosarcoma	Diagnosis	ICD-9-CM
200.80	Other named variants, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.81	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
200.82	Other named variants of lymphosarcoma and reticulosarcoma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
200.83	Other named variants of lymphosarcoma and reticulosarcoma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
200.84	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
200.85	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
200.86	Other named variants of lymphosarcoma and reticulosarcoma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
200.87	Other named variants of lymphosarcoma and reticulosarcoma of spleen	Diagnosis	ICD-9-CM
200.88	Other named variants of lymphosarcoma and reticulosarcoma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201	Hodgkin's disease	Diagnosis	ICD-9-CM
201.0	Hodgkin's paraganuloma	Diagnosis	ICD-9-CM
201.00	Hodgkin's paraganuloma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
201.01	Hodgkin's paraganuloma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.02	Hodgkin's paraganuloma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.03	Hodgkin's paraganuloma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.04	Hodgkin's paraganuloma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
201.05	Hodgkin's paraganuloma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
201.06	Hodgkin's paraganuloma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.07	Hodgkin's paraganuloma of spleen	Diagnosis	ICD-9-CM
201.08	Hodgkin's paraganuloma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201.1	Hodgkin's granuloma	Diagnosis	ICD-9-CM
201.10	Hodgkin's granuloma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
201.11	Hodgkin's granuloma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.12	Hodgkin's granuloma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.13	Hodgkin's granuloma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.14	Hodgkin's granuloma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
201.15	Hodgkin's granuloma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
201.16	Hodgkin's granuloma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.17	Hodgkin's granuloma of spleen	Diagnosis	ICD-9-CM
201.18	Hodgkin's granuloma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201.2	Hodgkin's sarcoma	Diagnosis	ICD-9-CM
201.20	Hodgkin's sarcoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
201.21	Hodgkin's sarcoma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.22	Hodgkin's sarcoma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.23	Hodgkin's sarcoma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.24	Hodgkin's sarcoma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
201.25	Hodgkin's sarcoma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
201.26	Hodgkin's sarcoma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.27	Hodgkin's sarcoma of spleen	Diagnosis	ICD-9-CM
201.28	Hodgkin's sarcoma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201.4	Hodgkin's disease, lymphocytic-histiocytic predominance	Diagnosis	ICD-9-CM
201.40	Hodgkin's disease, lymphocytic-histiocytic predominance, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
201.41	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.42	Hodgkin's disease, lymphocytic-histiocytic predominance of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.43	Hodgkin's disease, lymphocytic-histiocytic predominance of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.44	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
201.45	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
201.46	Hodgkin's disease, lymphocytic-histiocytic predominance of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.47	Hodgkin's disease, lymphocytic-histiocytic predominance of spleen	Diagnosis	ICD-9-CM
201.48	Hodgkin's disease, lymphocytic-histiocytic predominance of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201.5	Hodgkin's disease, nodular sclerosis	Diagnosis	ICD-9-CM
201.50	Hodgkin's disease, nodular sclerosis, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
201.51	Hodgkin's disease, nodular sclerosis, of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.52	Hodgkin's disease, nodular sclerosis, of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.53	Hodgkin's disease, nodular sclerosis, of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.54	Hodgkin's disease, nodular sclerosis, of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
201.55	Hodgkin's disease, nodular sclerosis, of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
201.56	Hodgkin's disease, nodular sclerosis, of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.57	Hodgkin's disease, nodular sclerosis, of spleen	Diagnosis	ICD-9-CM
201.58	Hodgkin's disease, nodular sclerosis, of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201.6	Hodgkin's disease, mixed cellularity	Diagnosis	ICD-9-CM
201.60	Hodgkin's disease, mixed cellularity, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
201.61	Hodgkin's disease, mixed cellularity, involving lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.62	Hodgkin's disease, mixed cellularity, of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.63	Hodgkin's disease, mixed cellularity, of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.64	Hodgkin's disease, mixed cellularity, of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
201.65	Hodgkin's disease, mixed cellularity, of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
201.66	Hodgkin's disease, mixed cellularity, of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.67	Hodgkin's disease, mixed cellularity, of spleen	Diagnosis	ICD-9-CM
201.68	Hodgkin's disease, mixed cellularity, of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201.7	Hodgkin's disease, lymphocytic depletion	Diagnosis	ICD-9-CM
201.70	Hodgkin's disease, lymphocytic depletion, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
201.71	Hodgkin's disease, lymphocytic depletion, of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.72	Hodgkin's disease, lymphocytic depletion, of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.73	Hodgkin's disease, lymphocytic depletion, of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.74	Hodgkin's disease, lymphocytic depletion, of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
201.75	Hodgkin's disease, lymphocytic depletion, of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
201.76	Hodgkin's disease, lymphocytic depletion, of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.77	Hodgkin's disease, lymphocytic depletion, of spleen	Diagnosis	ICD-9-CM
201.78	Hodgkin's disease, lymphocytic depletion, of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
201.9	Hodgkin's disease, unspecified type	Diagnosis	ICD-9-CM
201.90	Hodgkin's disease, unspecified type, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
201.91	Hodgkin's disease, unspecified type, of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
201.92	Hodgkin's disease, unspecified type, of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
201.93	Hodgkin's disease, unspecified type, of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
201.94	Hodgkin's disease, unspecified type, of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
201.95	Hodgkin's disease, unspecified type, of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
201.96	Hodgkin's disease, unspecified type, of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
201.97	Hodgkin's disease, unspecified type, of spleen	Diagnosis	ICD-9-CM
201.98	Hodgkin's disease, unspecified type, of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202	Other malignant neoplasms of lymphoid and histiocytic tissue	Diagnosis	ICD-9-CM
202.0	Nodular lymphoma	Diagnosis	ICD-9-CM
202.00	Nodular lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.01	Nodular lymphoma of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.02	Nodular lymphoma of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.03	Nodular lymphoma of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.04	Nodular lymphoma of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.05	Nodular lymphoma of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.06	Nodular lymphoma of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.07	Nodular lymphoma of spleen	Diagnosis	ICD-9-CM
202.08	Nodular lymphoma of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.1	Mycosis fungoides	Diagnosis	ICD-9-CM
202.10	Mycosis fungoides, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.11	Mycosis fungoides of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.12	Mycosis fungoides of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.13	Mycosis fungoides of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.14	Mycosis fungoides of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.15	Mycosis fungoides of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.16	Mycosis fungoides of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.17	Mycosis fungoides of spleen	Diagnosis	ICD-9-CM
202.18	Mycosis fungoides of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.2	Sezary's disease	Diagnosis	ICD-9-CM
202.20	Sezary's disease, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.21	Sezary's disease of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.22	Sezary's disease of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.23	Sezary's disease of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.24	Sezary's disease of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.25	Sezary's disease of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.26	Sezary's disease of intrapelvic lymph nodes	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
202.27	Sezary's disease of spleen	Diagnosis	ICD-9-CM
202.28	Sezary's disease of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.3	Malignant histiocytosis	Diagnosis	ICD-9-CM
202.30	Malignant histiocytosis, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.31	Malignant histiocytosis of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.32	Malignant histiocytosis of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.33	Malignant histiocytosis of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.34	Malignant histiocytosis of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.35	Malignant histiocytosis of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.36	Malignant histiocytosis of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.37	Malignant histiocytosis of spleen	Diagnosis	ICD-9-CM
202.38	Malignant histiocytosis of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.4	Leukemic reticuloendotheliosis	Diagnosis	ICD-9-CM
202.40	Leukemic reticuloendotheliosis, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.41	Leukemic reticuloendotheliosis of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.42	Leukemic reticuloendotheliosis of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.43	Leukemic reticuloendotheliosis of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.44	Leukemic reticuloendotheliosis of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.45	Leukemic reticuloendotheliosis of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.46	Leukemic reticuloendotheliosis of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.47	Leukemic reticuloendotheliosis of spleen	Diagnosis	ICD-9-CM
202.48	Leukemic reticuloendotheliosis of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.5	Letterer-Siwe disease	Diagnosis	ICD-9-CM
202.50	Letterer-Siwe disease, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.51	Letterer-Siwe disease of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.52	Letterer-Siwe disease of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.53	Letterer-Siwe disease of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.54	Letterer-Siwe disease of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.55	Letterer-Siwe disease of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.56	Letterer-Siwe disease of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.57	Letterer-Siwe disease of spleen	Diagnosis	ICD-9-CM
202.58	Letterer-Siwe disease of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.6	Malignant mast cell tumors	Diagnosis	ICD-9-CM
202.60	Malignant mast cell tumors, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
202.61	Malignant mast cell tumors of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.62	Malignant mast cell tumors of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.63	Malignant mast cell tumors of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.64	Malignant mast cell tumors of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.65	Malignant mast cell tumors of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.66	Malignant mast cell tumors of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.67	Malignant mast cell tumors of spleen	Diagnosis	ICD-9-CM
202.68	Malignant mast cell tumors of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.7	Peripheral T-cell lymphoma	Diagnosis	ICD-9-CM
202.70	Peripheral T-cell lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.71	Peripheral T-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.72	Peripheral T-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.73	Peripheral T-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.74	Peripheral T-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.75	Peripheral T-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.76	Peripheral T-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.77	Peripheral T-cell lymphoma, spleen	Diagnosis	ICD-9-CM
202.78	Peripheral T-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.8	Other malignant lymphomas	Diagnosis	ICD-9-CM
202.80	Other malignant lymphomas, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.81	Other malignant lymphomas of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
202.82	Other malignant lymphomas of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.83	Other malignant lymphomas of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.84	Other malignant lymphomas of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.85	Other malignant lymphomas of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.86	Other malignant lymphomas of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.87	Other malignant lymphomas of spleen	Diagnosis	ICD-9-CM
202.88	Other malignant lymphomas of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
202.9	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue	Diagnosis	ICD-9-CM
202.90	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.91	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
202.92	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrathoracic lymph nodes	Diagnosis	ICD-9-CM
202.93	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intra-abdominal lymph nodes	Diagnosis	ICD-9-CM
202.94	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of axilla and upper limb	Diagnosis	ICD-9-CM
202.95	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of inguinal region and lower limb	Diagnosis	ICD-9-CM
202.96	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of intrapelvic lymph nodes	Diagnosis	ICD-9-CM
202.97	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of spleen	Diagnosis	ICD-9-CM
202.98	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of multiple sites	Diagnosis	ICD-9-CM
203	Multiple myeloma and immunoproliferative neoplasms	Diagnosis	ICD-9-CM
203.0	Multiple myeloma	Diagnosis	ICD-9-CM
203.00	Multiple myeloma, without mention of having achieved remission	Diagnosis	ICD-9-CM
203.01	Multiple myeloma in remission	Diagnosis	ICD-9-CM
203.02	Multiple myeloma, in relapse	Diagnosis	ICD-9-CM
203.1	Plasma cell leukemia	Diagnosis	ICD-9-CM
203.10	Plasma cell leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
203.11	Plasma cell leukemia in remission	Diagnosis	ICD-9-CM
203.12	Plasma cell leukemia, in relapse	Diagnosis	ICD-9-CM
203.8	Other immunoproliferative neoplasms	Diagnosis	ICD-9-CM
203.80	Other immunoproliferative neoplasms, without mention of having achieved remission	Diagnosis	ICD-9-CM
203.81	Other immunoproliferative neoplasms in remission	Diagnosis	ICD-9-CM
203.82	Other immunoproliferative neoplasms, in relapse	Diagnosis	ICD-9-CM
204	Lymphoid leukemia	Diagnosis	ICD-9-CM
204.0	Acute lymphoid leukemia	Diagnosis	ICD-9-CM
204.00	Acute lymphoid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
204.01	Acute lymphoid leukemia in remission	Diagnosis	ICD-9-CM
204.02	Acute lymphoid leukemia, in relapse	Diagnosis	ICD-9-CM
204.1	Chronic lymphoid leukemia	Diagnosis	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
204.10	Chronic lymphoid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
204.11	Chronic lymphoid leukemia in remission	Diagnosis	ICD-9-CM
204.12	Chronic lymphoid leukemia, in relapse	Diagnosis	ICD-9-CM
204.2	Subacute lymphoid leukemia	Diagnosis	ICD-9-CM
204.20	Subacute lymphoid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
204.21	Subacute lymphoid leukemia in remission	Diagnosis	ICD-9-CM
204.22	Subacute lymphoid leukemia, in relapse	Diagnosis	ICD-9-CM
204.8	Other lymphoid leukemia	Diagnosis	ICD-9-CM
204.80	Other lymphoid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
204.81	Other lymphoid leukemia in remission	Diagnosis	ICD-9-CM
204.82	Other lymphoid leukemia, in relapse	Diagnosis	ICD-9-CM
204.9	Unspecified lymphoid leukemia	Diagnosis	ICD-9-CM
204.90	Unspecified lymphoid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
204.91	Unspecified lymphoid leukemia in remission	Diagnosis	ICD-9-CM
204.92	Unspecified lymphoid leukemia, in relapse	Diagnosis	ICD-9-CM
205	Myeloid leukemia	Diagnosis	ICD-9-CM
205.0	Acute myeloid leukemia	Diagnosis	ICD-9-CM
205.00	Acute myeloid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
205.01	Acute myeloid leukemia in remission	Diagnosis	ICD-9-CM
205.02	Acute myeloid leukemia, in relapse	Diagnosis	ICD-9-CM
205.1	Chronic myeloid leukemia	Diagnosis	ICD-9-CM
205.10	Chronic myeloid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
205.11	Chronic myeloid leukemia in remission	Diagnosis	ICD-9-CM
205.12	Chronic myeloid leukemia, in relapse	Diagnosis	ICD-9-CM
205.2	Subacute myeloid leukemia	Diagnosis	ICD-9-CM
205.20	Subacute myeloid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
205.21	Subacute myeloid leukemia in remission	Diagnosis	ICD-9-CM
205.22	Subacute myeloid leukemia, in relapse	Diagnosis	ICD-9-CM
205.3	Myeloid sarcoma	Diagnosis	ICD-9-CM
205.30	Myeloid sarcoma, without mention of having achieved remission	Diagnosis	ICD-9-CM
205.31	Myeloid sarcoma in remission	Diagnosis	ICD-9-CM
205.32	Myeloid sarcoma, in relapse	Diagnosis	ICD-9-CM
205.8	Other myeloid leukemia	Diagnosis	ICD-9-CM
205.80	Other myeloid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
205.81	Other myeloid leukemia in remission	Diagnosis	ICD-9-CM
205.82	Other myeloid leukemia, in relapse	Diagnosis	ICD-9-CM
205.9	Unspecified myeloid leukemia	Diagnosis	ICD-9-CM
205.90	Unspecified myeloid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
205.91	Unspecified myeloid leukemia in remission	Diagnosis	ICD-9-CM
205.92	Unspecified myeloid leukemia, in relapse	Diagnosis	ICD-9-CM
206	Monocytic leukemia	Diagnosis	ICD-9-CM
206.0	Acute monocytic leukemia	Diagnosis	ICD-9-CM
206.00	Acute monocytic leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
206.01	Acute monocytic leukemia in remission	Diagnosis	ICD-9-CM
206.02	Acute monocytic leukemia, in relapse	Diagnosis	ICD-9-CM
206.1	Chronic monocytic leukemia	Diagnosis	ICD-9-CM
206.10	Chronic monocytic leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
206.11	Chronic monocytic leukemia in remission	Diagnosis	ICD-9-CM
206.12	Chronic monocytic leukemia, in relapse	Diagnosis	ICD-9-CM
206.2	Subacute monocytic leukemia	Diagnosis	ICD-9-CM
206.20	Subacute monocytic leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
206.21	Subacute monocytic leukemia in remission	Diagnosis	ICD-9-CM
206.22	Subacute monocytic leukemia, in relapse	Diagnosis	ICD-9-CM
206.8	Other monocytic leukemia	Diagnosis	ICD-9-CM
206.80	Other monocytic leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
206.81	Other monocytic leukemia in remission	Diagnosis	ICD-9-CM
206.82	Other monocytic leukemia, in relapse	Diagnosis	ICD-9-CM
206.9	Unspecified monocytic leukemia	Diagnosis	ICD-9-CM
206.90	Unspecified monocytic leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
206.91	Unspecified monocytic leukemia in remission	Diagnosis	ICD-9-CM
206.92	Unspecified monocytic leukemia, in relapse	Diagnosis	ICD-9-CM
207	Other specified leukemia	Diagnosis	ICD-9-CM
207.0	Acute erythremia and erythroleukemia	Diagnosis	ICD-9-CM
207.00	Acute erythremia and erythroleukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
207.01	Acute erythremia and erythroleukemia in remission	Diagnosis	ICD-9-CM
207.02	Acute erythremia and erythroleukemia, in relapse	Diagnosis	ICD-9-CM
207.1	Chronic erythremia	Diagnosis	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
207.10	Chronic erythremia, without mention of having achieved remission	Diagnosis	ICD-9-CM
207.11	Chronic erythremia in remission	Diagnosis	ICD-9-CM
207.12	Chronic erythremia, in relapse	Diagnosis	ICD-9-CM
207.2	Megakaryocytic leukemia	Diagnosis	ICD-9-CM
207.20	Megakaryocytic leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
207.21	Megakaryocytic leukemia in remission	Diagnosis	ICD-9-CM
207.22	Megakaryocytic leukemia, in relapse	Diagnosis	ICD-9-CM
207.8	Other specified leukemia	Diagnosis	ICD-9-CM
207.80	Other specified leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
207.81	Other specified leukemia in remission	Diagnosis	ICD-9-CM
207.82	Other specified leukemia, in relapse	Diagnosis	ICD-9-CM
208	Leukemia of unspecified cell type	Diagnosis	ICD-9-CM
208.0	Acute leukemia of unspecified cell type	Diagnosis	ICD-9-CM
208.00	Acute leukemia of unspecified cell type, without mention of having achieved remission	Diagnosis	ICD-9-CM
208.01	Acute leukemia of unspecified cell type in remission	Diagnosis	ICD-9-CM
208.02	Acute leukemia of unspecified cell type, in relapse	Diagnosis	ICD-9-CM
208.1	Chronic leukemia of unspecified cell type	Diagnosis	ICD-9-CM
208.10	Chronic leukemia of unspecified cell type, without mention of having achieved remission	Diagnosis	ICD-9-CM
208.11	Chronic leukemia of unspecified cell type in remission	Diagnosis	ICD-9-CM
208.12	Chronic leukemia of unspecified cell type, in relapse	Diagnosis	ICD-9-CM
208.2	Subacute leukemia of unspecified cell type	Diagnosis	ICD-9-CM
208.20	Subacute leukemia of unspecified cell type, without mention of having achieved remission	Diagnosis	ICD-9-CM
208.21	Subacute leukemia of unspecified cell type in remission	Diagnosis	ICD-9-CM
208.22	Subacute leukemia of unspecified cell type, in relapse	Diagnosis	ICD-9-CM
208.8	Other leukemia of unspecified cell type	Diagnosis	ICD-9-CM
208.80	Other leukemia of unspecified cell type, without mention of having achieved remission	Diagnosis	ICD-9-CM
208.81	Other leukemia of unspecified cell type in remission	Diagnosis	ICD-9-CM
208.82	Other leukemia of unspecified cell type, in relapse	Diagnosis	ICD-9-CM
208.9	Unspecified leukemia	Diagnosis	ICD-9-CM
208.90	Unspecified leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
208.91	Unspecified leukemia in remission	Diagnosis	ICD-9-CM
208.92	Unspecified leukemia, in relapse	Diagnosis	ICD-9-CM
209	Neuroendocrine tumors	Diagnosis	ICD-9-CM
209.0	Malignant carcinoid tumors of the small intestine	Diagnosis	ICD-9-CM
209.00	Malignant carcinoid tumor of the small intestine, unspecified portion	Diagnosis	ICD-9-CM
209.01	Malignant carcinoid tumor of the duodenum	Diagnosis	ICD-9-CM
209.02	Malignant carcinoid tumor of the jejunum	Diagnosis	ICD-9-CM
209.03	Malignant carcinoid tumor of the ileum	Diagnosis	ICD-9-CM
209.1	Malignant carcinoid tumors of the appendix, large intestine, and rectum	Diagnosis	ICD-9-CM
209.10	Malignant carcinoid tumor of the large intestine, unspecified portion	Diagnosis	ICD-9-CM
209.11	Malignant carcinoid tumor of the appendix	Diagnosis	ICD-9-CM
209.12	Malignant carcinoid tumor of the cecum	Diagnosis	ICD-9-CM
209.13	Malignant carcinoid tumor of the ascending colon	Diagnosis	ICD-9-CM
209.14	Malignant carcinoid tumor of the transverse colon	Diagnosis	ICD-9-CM
209.15	Malignant carcinoid tumor of the descending colon	Diagnosis	ICD-9-CM
209.16	Malignant carcinoid tumor of the sigmoid colon	Diagnosis	ICD-9-CM
209.17	Malignant carcinoid tumor of the rectum	Diagnosis	ICD-9-CM
209.2	Malignant carcinoid tumors of other and unspecified sites	Diagnosis	ICD-9-CM
209.20	Malignant carcinoid tumor of unknown primary site	Diagnosis	ICD-9-CM
209.21	Malignant carcinoid tumor of the bronchus and lung	Diagnosis	ICD-9-CM
209.22	Malignant carcinoid tumor of the thymus	Diagnosis	ICD-9-CM
209.23	Malignant carcinoid tumor of the stomach	Diagnosis	ICD-9-CM
209.24	Malignant carcinoid tumor of the kidney	Diagnosis	ICD-9-CM
209.25	Malignant carcinoid tumor of foregut, not otherwise specified	Diagnosis	ICD-9-CM
209.26	Malignant carcinoid tumor of midgut, not otherwise specified	Diagnosis	ICD-9-CM
209.27	Malignant carcinoid tumor of hindgut, not otherwise specified	Diagnosis	ICD-9-CM
209.29	Malignant carcinoid tumor of other sites	Diagnosis	ICD-9-CM
209.3	Malignant poorly differentiated neuroendocrine tumors	Diagnosis	ICD-9-CM
209.30	Malignant poorly differentiated neuroendocrine carcinoma, any site	Diagnosis	ICD-9-CM
209.31	Merkel cell carcinoma of the face	Diagnosis	ICD-9-CM
209.32	Merkel cell carcinoma of the scalp and neck	Diagnosis	ICD-9-CM
209.33	Merkel cell carcinoma of the upper limb	Diagnosis	ICD-9-CM
209.34	Merkel cell carcinoma of the lower limb	Diagnosis	ICD-9-CM
209.35	Merkel cell carcinoma of the trunk	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
209.36	Merkel cell carcinoma of other sites	Diagnosis	ICD-9-CM
209.7	Secondary neuroendocrine tumors	Diagnosis	ICD-9-CM
209.70	Secondary neuroendocrine tumor, unspecified site	Diagnosis	ICD-9-CM
209.71	Secondary neuroendocrine tumor of distant lymph nodes	Diagnosis	ICD-9-CM
209.72	Secondary neuroendocrine tumor of liver	Diagnosis	ICD-9-CM
209.73	Secondary neuroendocrine tumor of bone	Diagnosis	ICD-9-CM
209.74	Secondary neuroendocrine tumor of peritoneum	Diagnosis	ICD-9-CM
209.75	Secondary Merkel cell carcinoma	Diagnosis	ICD-9-CM
209.79	Secondary neuroendocrine tumor of other sites	Diagnosis	ICD-9-CM
235	Neoplasm of uncertain behavior of digestive and respiratory systems	Diagnosis	ICD-9-CM
235.0	Neoplasm of uncertain behavior of major salivary glands	Diagnosis	ICD-9-CM
235.1	Neoplasm of uncertain behavior of lip, oral cavity, and pharynx	Diagnosis	ICD-9-CM
235.2	Neoplasm of uncertain behavior of stomach, intestines, and rectum	Diagnosis	ICD-9-CM
235.3	Neoplasm of uncertain behavior of liver and biliary passages	Diagnosis	ICD-9-CM
235.4	Neoplasm of uncertain behavior of retroperitoneum and peritoneum	Diagnosis	ICD-9-CM
235.5	Neoplasm of uncertain behavior of other and unspecified digestive organs	Diagnosis	ICD-9-CM
235.6	Neoplasm of uncertain behavior of larynx	Diagnosis	ICD-9-CM
235.7	Neoplasm of uncertain behavior of trachea, bronchus, and lung	Diagnosis	ICD-9-CM
235.8	Neoplasm of uncertain behavior of pleura, thymus, and mediastinum	Diagnosis	ICD-9-CM
235.9	Neoplasm of uncertain behavior of other and unspecified respiratory organs	Diagnosis	ICD-9-CM
236	Neoplasm of uncertain behavior of genitourinary organs	Diagnosis	ICD-9-CM
236.0	Neoplasm of uncertain behavior of uterus	Diagnosis	ICD-9-CM
236.1	Neoplasm of uncertain behavior of placenta	Diagnosis	ICD-9-CM
236.2	Neoplasm of uncertain behavior of ovary	Diagnosis	ICD-9-CM
236.3	Neoplasm of uncertain behavior of other and unspecified female genital organs	Diagnosis	ICD-9-CM
236.4	Neoplasm of uncertain behavior of testis	Diagnosis	ICD-9-CM
236.5	Neoplasm of uncertain behavior of prostate	Diagnosis	ICD-9-CM
236.6	Neoplasm of uncertain behavior of other and unspecified male genital organs	Diagnosis	ICD-9-CM
236.7	Neoplasm of uncertain behavior of bladder	Diagnosis	ICD-9-CM
236.9	Neoplasm of uncertain behavior of other and unspecified urinary organs	Diagnosis	ICD-9-CM
236.90	Neoplasm of uncertain behavior of urinary organ, unspecified	Diagnosis	ICD-9-CM
236.91	Neoplasm of uncertain behavior of kidney and ureter	Diagnosis	ICD-9-CM
236.99	Neoplasm of uncertain behavior of other and unspecified urinary organs	Diagnosis	ICD-9-CM
237	Neoplasm of uncertain behavior of endocrine glands and nervous system	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
237.0	Neoplasm of uncertain behavior of pituitary gland and craniopharyngeal duct	Diagnosis	ICD-9-CM
237.1	Neoplasm of uncertain behavior of pineal gland	Diagnosis	ICD-9-CM
237.2	Neoplasm of uncertain behavior of adrenal gland	Diagnosis	ICD-9-CM
237.3	Neoplasm of uncertain behavior of paraganglia	Diagnosis	ICD-9-CM
237.4	Neoplasm of uncertain behavior of other and unspecified endocrine glands	Diagnosis	ICD-9-CM
237.5	Neoplasm of uncertain behavior of brain and spinal cord	Diagnosis	ICD-9-CM
237.6	Neoplasm of uncertain behavior of meninges	Diagnosis	ICD-9-CM
237.7	Neurofibromatosis	Diagnosis	ICD-9-CM
237.70	Neurofibromatosis, unspecified	Diagnosis	ICD-9-CM
237.71	Neurofibromatosis, Type 1 (von Recklinghausen's disease)	Diagnosis	ICD-9-CM
237.72	Neurofibromatosis, Type 2 (acoustic neurofibromatosis)	Diagnosis	ICD-9-CM
237.73	Schwannomatosis	Diagnosis	ICD-9-CM
237.79	Other neurofibromatosis	Diagnosis	ICD-9-CM
237.9	Neoplasm of uncertain behavior of other and unspecified parts of nervous system	Diagnosis	ICD-9-CM
238	Neoplasm of uncertain behavior of other and unspecified sites and tissues	Diagnosis	ICD-9-CM
238.0	Neoplasm of uncertain behavior of bone and articular cartilage	Diagnosis	ICD-9-CM
238.1	Neoplasm of uncertain behavior of connective and other soft tissue	Diagnosis	ICD-9-CM
238.3	Neoplasm of uncertain behavior of breast	Diagnosis	ICD-9-CM
238.4	Neoplasm of uncertain behavior of polycythemia vera	Diagnosis	ICD-9-CM
238.5	Neoplasm of uncertain behavior of histiocytic and mast cells	Diagnosis	ICD-9-CM
238.6	Neoplasm of uncertain behavior of plasma cells	Diagnosis	ICD-9-CM
238.7	Other lymphatic and hematopoietic tissues	Diagnosis	ICD-9-CM
238.71	Essential thrombocythemia	Diagnosis	ICD-9-CM
238.72	Low grade myelodysplastic syndrome lesions	Diagnosis	ICD-9-CM
238.73	High grade myelodysplastic syndrome lesions	Diagnosis	ICD-9-CM
238.74	Myelodysplastic syndrome with 5q deletion	Diagnosis	ICD-9-CM
238.75	Myelodysplastic syndrome, unspecified	Diagnosis	ICD-9-CM
238.76	Myelofibrosis with myeloid metaplasia	Diagnosis	ICD-9-CM
238.77	Post-transplant lymphoproliferative disorder [PTLD]	Diagnosis	ICD-9-CM
238.79	Other lymphatic and hematopoietic tissues	Diagnosis	ICD-9-CM
238.8	Neoplasm of uncertain behavior of other specified sites	Diagnosis	ICD-9-CM
238.9	Neoplasm of uncertain behavior, site unspecified	Diagnosis	ICD-9-CM
239	Neoplasms of unspecified nature	Diagnosis	ICD-9-CM
239.0	Neoplasm of unspecified nature of digestive system	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
239.1	Neoplasm of unspecified nature of respiratory system	Diagnosis	ICD-9-CM
239.3	Neoplasm of unspecified nature of breast	Diagnosis	ICD-9-CM
239.4	Neoplasm of unspecified nature of bladder	Diagnosis	ICD-9-CM
239.5	Neoplasm of unspecified nature of other genitourinary organs	Diagnosis	ICD-9-CM
239.6	Neoplasm of unspecified nature of brain	Diagnosis	ICD-9-CM
239.7	Neoplasm of unspecified nature of endocrine glands and other parts of nervous system	Diagnosis	ICD-9-CM
239.8	Neoplasm of unspecified nature of other specified sites	Diagnosis	ICD-9-CM
239.81	Neoplasms of unspecified nature, retina and choroid	Diagnosis	ICD-9-CM
239.89	Neoplasms of unspecified nature, other specified sites	Diagnosis	ICD-9-CM
239.9	Neoplasm of unspecified nature, site unspecified	Diagnosis	ICD-9-CM
273.3	Macroglobulinemia	Diagnosis	ICD-9-CM
C00	Malignant neoplasm of lip	Diagnosis	ICD-10-CM
C00.0	Malignant neoplasm of external upper lip	Diagnosis	ICD-10-CM
C00.1	Malignant neoplasm of external lower lip	Diagnosis	ICD-10-CM
C00.2	Malignant neoplasm of external lip, unspecified	Diagnosis	ICD-10-CM
C00.3	Malignant neoplasm of upper lip, inner aspect	Diagnosis	ICD-10-CM
C00.4	Malignant neoplasm of lower lip, inner aspect	Diagnosis	ICD-10-CM
C00.5	Malignant neoplasm of lip, unspecified, inner aspect	Diagnosis	ICD-10-CM
C00.6	Malignant neoplasm of commissure of lip, unspecified	Diagnosis	ICD-10-CM
C00.8	Malignant neoplasm of overlapping sites of lip	Diagnosis	ICD-10-CM
C00.9	Malignant neoplasm of lip, unspecified	Diagnosis	ICD-10-CM
C01	Malignant neoplasm of base of tongue	Diagnosis	ICD-10-CM
C02	Malignant neoplasm of other and unspecified parts of tongue	Diagnosis	ICD-10-CM
C02.0	Malignant neoplasm of dorsal surface of tongue	Diagnosis	ICD-10-CM
C02.1	Malignant neoplasm of border of tongue	Diagnosis	ICD-10-CM
C02.2	Malignant neoplasm of ventral surface of tongue	Diagnosis	ICD-10-CM
C02.3	Malignant neoplasm of anterior two-thirds of tongue, part unspecified	Diagnosis	ICD-10-CM
C02.4	Malignant neoplasm of lingual tonsil	Diagnosis	ICD-10-CM
C02.8	Malignant neoplasm of overlapping sites of tongue	Diagnosis	ICD-10-CM
C02.9	Malignant neoplasm of tongue, unspecified	Diagnosis	ICD-10-CM
C03	Malignant neoplasm of gum	Diagnosis	ICD-10-CM
C03.0	Malignant neoplasm of upper gum	Diagnosis	ICD-10-CM
C03.1	Malignant neoplasm of lower gum	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C03.9	Malignant neoplasm of gum, unspecified	Diagnosis	ICD-10-CM
C04	Malignant neoplasm of floor of mouth	Diagnosis	ICD-10-CM
C04.0	Malignant neoplasm of anterior floor of mouth	Diagnosis	ICD-10-CM
C04.1	Malignant neoplasm of lateral floor of mouth	Diagnosis	ICD-10-CM
C04.8	Malignant neoplasm of overlapping sites of floor of mouth	Diagnosis	ICD-10-CM
C04.9	Malignant neoplasm of floor of mouth, unspecified	Diagnosis	ICD-10-CM
C05	Malignant neoplasm of palate	Diagnosis	ICD-10-CM
C05.0	Malignant neoplasm of hard palate	Diagnosis	ICD-10-CM
C05.1	Malignant neoplasm of soft palate	Diagnosis	ICD-10-CM
C05.2	Malignant neoplasm of uvula	Diagnosis	ICD-10-CM
C05.8	Malignant neoplasm of overlapping sites of palate	Diagnosis	ICD-10-CM
C05.9	Malignant neoplasm of palate, unspecified	Diagnosis	ICD-10-CM
C06	Malignant neoplasm of other and unspecified parts of mouth	Diagnosis	ICD-10-CM
C06.0	Malignant neoplasm of cheek mucosa	Diagnosis	ICD-10-CM
C06.1	Malignant neoplasm of vestibule of mouth	Diagnosis	ICD-10-CM
C06.2	Malignant neoplasm of retromolar area	Diagnosis	ICD-10-CM
C06.8	Malignant neoplasm of overlapping sites of other and unspecified parts of mouth	Diagnosis	ICD-10-CM
C06.80	Malignant neoplasm of overlapping sites of unspecified parts of mouth	Diagnosis	ICD-10-CM
C06.89	Malignant neoplasm of overlapping sites of other parts of mouth	Diagnosis	ICD-10-CM
C06.9	Malignant neoplasm of mouth, unspecified	Diagnosis	ICD-10-CM
C07	Malignant neoplasm of parotid gland	Diagnosis	ICD-10-CM
C08	Malignant neoplasm of other and unspecified major salivary glands	Diagnosis	ICD-10-CM
C08.0	Malignant neoplasm of submandibular gland	Diagnosis	ICD-10-CM
C08.1	Malignant neoplasm of sublingual gland	Diagnosis	ICD-10-CM
C08.9	Malignant neoplasm of major salivary gland, unspecified	Diagnosis	ICD-10-CM
C09	Malignant neoplasm of tonsil	Diagnosis	ICD-10-CM
C09.0	Malignant neoplasm of tonsillar fossa	Diagnosis	ICD-10-CM
C09.1	Malignant neoplasm of tonsillar pillar (anterior) (posterior)	Diagnosis	ICD-10-CM
C09.8	Malignant neoplasm of overlapping sites of tonsil	Diagnosis	ICD-10-CM
C09.9	Malignant neoplasm of tonsil, unspecified	Diagnosis	ICD-10-CM
C10	Malignant neoplasm of oropharynx	Diagnosis	ICD-10-CM
C10.0	Malignant neoplasm of vallecula	Diagnosis	ICD-10-CM
C10.1	Malignant neoplasm of anterior surface of epiglottis	Diagnosis	ICD-10-CM
C10.2	Malignant neoplasm of lateral wall of oropharynx	Diagnosis	ICD-10-CM



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Code	Description	Code Category	Code Type
C10.3	Malignant neoplasm of posterior wall of oropharynx	Diagnosis	ICD-10-CM
C10.4	Malignant neoplasm of branchial cleft	Diagnosis	ICD-10-CM
C10.8	Malignant neoplasm of overlapping sites of oropharynx	Diagnosis	ICD-10-CM
C10.9	Malignant neoplasm of oropharynx, unspecified	Diagnosis	ICD-10-CM
C11	Malignant neoplasm of nasopharynx	Diagnosis	ICD-10-CM
C11.0	Malignant neoplasm of superior wall of nasopharynx	Diagnosis	ICD-10-CM
C11.1	Malignant neoplasm of posterior wall of nasopharynx	Diagnosis	ICD-10-CM
C11.2	Malignant neoplasm of lateral wall of nasopharynx	Diagnosis	ICD-10-CM
C11.3	Malignant neoplasm of anterior wall of nasopharynx	Diagnosis	ICD-10-CM
C11.8	Malignant neoplasm of overlapping sites of nasopharynx	Diagnosis	ICD-10-CM
C11.9	Malignant neoplasm of nasopharynx, unspecified	Diagnosis	ICD-10-CM
C12	Malignant neoplasm of pyriform sinus	Diagnosis	ICD-10-CM
C13	Malignant neoplasm of hypopharynx	Diagnosis	ICD-10-CM
C13.0	Malignant neoplasm of postcricoid region	Diagnosis	ICD-10-CM
C13.1	Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect	Diagnosis	ICD-10-CM
C13.2	Malignant neoplasm of posterior wall of hypopharynx	Diagnosis	ICD-10-CM
C13.8	Malignant neoplasm of overlapping sites of hypopharynx	Diagnosis	ICD-10-CM
C13.9	Malignant neoplasm of hypopharynx, unspecified	Diagnosis	ICD-10-CM
C14	Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx	Diagnosis	ICD-10-CM
C14.0	Malignant neoplasm of pharynx, unspecified	Diagnosis	ICD-10-CM
C14.2	Malignant neoplasm of Waldeyer's ring	Diagnosis	ICD-10-CM
C14.8	Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx	Diagnosis	ICD-10-CM
C15	Malignant neoplasm of esophagus	Diagnosis	ICD-10-CM
C15.3	Malignant neoplasm of upper third of esophagus	Diagnosis	ICD-10-CM
C15.4	Malignant neoplasm of middle third of esophagus	Diagnosis	ICD-10-CM
C15.5	Malignant neoplasm of lower third of esophagus	Diagnosis	ICD-10-CM
C15.8	Malignant neoplasm of overlapping sites of esophagus	Diagnosis	ICD-10-CM
C15.9	Malignant neoplasm of esophagus, unspecified	Diagnosis	ICD-10-CM
C16	Malignant neoplasm of stomach	Diagnosis	ICD-10-CM
C16.0	Malignant neoplasm of cardia	Diagnosis	ICD-10-CM
C16.1	Malignant neoplasm of fundus of stomach	Diagnosis	ICD-10-CM
C16.2	Malignant neoplasm of body of stomach	Diagnosis	ICD-10-CM
C16.3	Malignant neoplasm of pyloric antrum	Diagnosis	ICD-10-CM
C16.4	Malignant neoplasm of pylorus	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C16.5	Malignant neoplasm of lesser curvature of stomach, unspecified	Diagnosis	ICD-10-CM
C16.6	Malignant neoplasm of greater curvature of stomach, unspecified	Diagnosis	ICD-10-CM
C16.8	Malignant neoplasm of overlapping sites of stomach	Diagnosis	ICD-10-CM
C16.9	Malignant neoplasm of stomach, unspecified	Diagnosis	ICD-10-CM
C17	Malignant neoplasm of small intestine	Diagnosis	ICD-10-CM
C17.0	Malignant neoplasm of duodenum	Diagnosis	ICD-10-CM
C17.1	Malignant neoplasm of jejunum	Diagnosis	ICD-10-CM
C17.2	Malignant neoplasm of ileum	Diagnosis	ICD-10-CM
C17.3	Meckel's diverticulum, malignant	Diagnosis	ICD-10-CM
C17.8	Malignant neoplasm of overlapping sites of small intestine	Diagnosis	ICD-10-CM
C17.9	Malignant neoplasm of small intestine, unspecified	Diagnosis	ICD-10-CM
C18	Malignant neoplasm of colon	Diagnosis	ICD-10-CM
C18.0	Malignant neoplasm of cecum	Diagnosis	ICD-10-CM
C18.1	Malignant neoplasm of appendix	Diagnosis	ICD-10-CM
C18.2	Malignant neoplasm of ascending colon	Diagnosis	ICD-10-CM
C18.3	Malignant neoplasm of hepatic flexure	Diagnosis	ICD-10-CM
C18.4	Malignant neoplasm of transverse colon	Diagnosis	ICD-10-CM
C18.5	Malignant neoplasm of splenic flexure	Diagnosis	ICD-10-CM
C18.6	Malignant neoplasm of descending colon	Diagnosis	ICD-10-CM
C18.7	Malignant neoplasm of sigmoid colon	Diagnosis	ICD-10-CM
C18.8	Malignant neoplasm of overlapping sites of colon	Diagnosis	ICD-10-CM
C18.9	Malignant neoplasm of colon, unspecified	Diagnosis	ICD-10-CM
C19	Malignant neoplasm of rectosigmoid junction	Diagnosis	ICD-10-CM
C20	Malignant neoplasm of rectum	Diagnosis	ICD-10-CM
C21	Malignant neoplasm of anus and anal canal	Diagnosis	ICD-10-CM
C21.0	Malignant neoplasm of anus, unspecified	Diagnosis	ICD-10-CM
C21.1	Malignant neoplasm of anal canal	Diagnosis	ICD-10-CM
C21.2	Malignant neoplasm of cloacogenic zone	Diagnosis	ICD-10-CM
C21.8	Malignant neoplasm of overlapping sites of rectum, anus and anal canal	Diagnosis	ICD-10-CM
C22	Malignant neoplasm of liver and intrahepatic bile ducts	Diagnosis	ICD-10-CM
C22.0	Liver cell carcinoma	Diagnosis	ICD-10-CM
C22.1	Intrahepatic bile duct carcinoma	Diagnosis	ICD-10-CM
C22.2	Hepatoblastoma	Diagnosis	ICD-10-CM
C22.3	Angiosarcoma of liver	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C22.4	Other sarcomas of liver	Diagnosis	ICD-10-CM
C22.7	Other specified carcinomas of liver	Diagnosis	ICD-10-CM
C22.8	Malignant neoplasm of liver, primary, unspecified as to type	Diagnosis	ICD-10-CM
C22.9	Malignant neoplasm of liver, not specified as primary or secondary	Diagnosis	ICD-10-CM
C23	Malignant neoplasm of gallbladder	Diagnosis	ICD-10-CM
C24	Malignant neoplasm of other and unspecified parts of biliary tract	Diagnosis	ICD-10-CM
C24.0	Malignant neoplasm of extrahepatic bile duct	Diagnosis	ICD-10-CM
C24.1	Malignant neoplasm of ampulla of Vater	Diagnosis	ICD-10-CM
C24.8	Malignant neoplasm of overlapping sites of biliary tract	Diagnosis	ICD-10-CM
C24.9	Malignant neoplasm of biliary tract, unspecified	Diagnosis	ICD-10-CM
C25	Malignant neoplasm of pancreas	Diagnosis	ICD-10-CM
C25.0	Malignant neoplasm of head of pancreas	Diagnosis	ICD-10-CM
C25.1	Malignant neoplasm of body of pancreas	Diagnosis	ICD-10-CM
C25.2	Malignant neoplasm of tail of pancreas	Diagnosis	ICD-10-CM
C25.3	Malignant neoplasm of pancreatic duct	Diagnosis	ICD-10-CM
C25.4	Malignant neoplasm of endocrine pancreas	Diagnosis	ICD-10-CM
C25.7	Malignant neoplasm of other parts of pancreas	Diagnosis	ICD-10-CM
C25.8	Malignant neoplasm of overlapping sites of pancreas	Diagnosis	ICD-10-CM
C25.9	Malignant neoplasm of pancreas, unspecified	Diagnosis	ICD-10-CM
C26	Malignant neoplasm of other and ill-defined digestive organs	Diagnosis	ICD-10-CM
C26.0	Malignant neoplasm of intestinal tract, part unspecified	Diagnosis	ICD-10-CM
C26.1	Malignant neoplasm of spleen	Diagnosis	ICD-10-CM
C26.9	Malignant neoplasm of ill-defined sites within the digestive system	Diagnosis	ICD-10-CM
C30	Malignant neoplasm of nasal cavity and middle ear	Diagnosis	ICD-10-CM
C30.0	Malignant neoplasm of nasal cavity	Diagnosis	ICD-10-CM
C30.1	Malignant neoplasm of middle ear	Diagnosis	ICD-10-CM
C31	Malignant neoplasm of accessory sinuses	Diagnosis	ICD-10-CM
C31.0	Malignant neoplasm of maxillary sinus	Diagnosis	ICD-10-CM
C31.1	Malignant neoplasm of ethmoidal sinus	Diagnosis	ICD-10-CM
C31.2	Malignant neoplasm of frontal sinus	Diagnosis	ICD-10-CM
C31.3	Malignant neoplasm of sphenoid sinus	Diagnosis	ICD-10-CM
C31.8	Malignant neoplasm of overlapping sites of accessory sinuses	Diagnosis	ICD-10-CM
C31.9	Malignant neoplasm of accessory sinus, unspecified	Diagnosis	ICD-10-CM
C32	Malignant neoplasm of larynx	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C32.0	Malignant neoplasm of glottis	Diagnosis	ICD-10-CM
C32.1	Malignant neoplasm of supraglottis	Diagnosis	ICD-10-CM
C32.2	Malignant neoplasm of subglottis	Diagnosis	ICD-10-CM
C32.3	Malignant neoplasm of laryngeal cartilage	Diagnosis	ICD-10-CM
C32.8	Malignant neoplasm of overlapping sites of larynx	Diagnosis	ICD-10-CM
C32.9	Malignant neoplasm of larynx, unspecified	Diagnosis	ICD-10-CM
C33	Malignant neoplasm of trachea	Diagnosis	ICD-10-CM
C34	Malignant neoplasm of bronchus and lung	Diagnosis	ICD-10-CM
C34.0	Malignant neoplasm of main bronchus	Diagnosis	ICD-10-CM
C34.00	Malignant neoplasm of unspecified main bronchus	Diagnosis	ICD-10-CM
C34.01	Malignant neoplasm of right main bronchus	Diagnosis	ICD-10-CM
C34.02	Malignant neoplasm of left main bronchus	Diagnosis	ICD-10-CM
C34.1	Malignant neoplasm of upper lobe, bronchus or lung	Diagnosis	ICD-10-CM
C34.10	Malignant neoplasm of upper lobe, unspecified bronchus or lung	Diagnosis	ICD-10-CM
C34.11	Malignant neoplasm of upper lobe, right bronchus or lung	Diagnosis	ICD-10-CM
C34.12	Malignant neoplasm of upper lobe, left bronchus or lung	Diagnosis	ICD-10-CM
C34.2	Malignant neoplasm of middle lobe, bronchus or lung	Diagnosis	ICD-10-CM
C34.3	Malignant neoplasm of lower lobe, bronchus or lung	Diagnosis	ICD-10-CM
C34.30	Malignant neoplasm of lower lobe, unspecified bronchus or lung	Diagnosis	ICD-10-CM
C34.31	Malignant neoplasm of lower lobe, right bronchus or lung	Diagnosis	ICD-10-CM
C34.32	Malignant neoplasm of lower lobe, left bronchus or lung	Diagnosis	ICD-10-CM
C34.8	Malignant neoplasm of overlapping sites of bronchus and lung	Diagnosis	ICD-10-CM
C34.80	Malignant neoplasm of overlapping sites of unspecified bronchus and lung	Diagnosis	ICD-10-CM
C34.81	Malignant neoplasm of overlapping sites of right bronchus and lung	Diagnosis	ICD-10-CM
C34.82	Malignant neoplasm of overlapping sites of left bronchus and lung	Diagnosis	ICD-10-CM
C34.9	Malignant neoplasm of unspecified part of bronchus or lung	Diagnosis	ICD-10-CM
C34.90	Malignant neoplasm of unspecified part of unspecified bronchus or lung	Diagnosis	ICD-10-CM
C34.91	Malignant neoplasm of unspecified part of right bronchus or lung	Diagnosis	ICD-10-CM
C34.92	Malignant neoplasm of unspecified part of left bronchus or lung	Diagnosis	ICD-10-CM
C37	Malignant neoplasm of thymus	Diagnosis	ICD-10-CM
C38	Malignant neoplasm of heart, mediastinum and pleura	Diagnosis	ICD-10-CM
C38.0	Malignant neoplasm of heart	Diagnosis	ICD-10-CM
C38.1	Malignant neoplasm of anterior mediastinum	Diagnosis	ICD-10-CM
C38.2	Malignant neoplasm of posterior mediastinum	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
C38.3	Malignant neoplasm of mediastinum, part unspecified	Diagnosis	ICD-10-CM
C38.4	Malignant neoplasm of pleura	Diagnosis	ICD-10-CM
C38.8	Malignant neoplasm of overlapping sites of heart, mediastinum and pleura	Diagnosis	ICD-10-CM
C39	Malignant neoplasm of other and ill-defined sites in the respiratory system and intrathoracic organs	Diagnosis	ICD-10-CM
C39.0	Malignant neoplasm of upper respiratory tract, part unspecified	Diagnosis	ICD-10-CM
C39.9	Malignant neoplasm of lower respiratory tract, part unspecified	Diagnosis	ICD-10-CM
C40	Malignant neoplasm of bone and articular cartilage of limbs	Diagnosis	ICD-10-CM
C40.0	Malignant neoplasm of scapula and long bones of upper limb	Diagnosis	ICD-10-CM
C40.00	Malignant neoplasm of scapula and long bones of unspecified upper limb	Diagnosis	ICD-10-CM
C40.01	Malignant neoplasm of scapula and long bones of right upper limb	Diagnosis	ICD-10-CM
C40.02	Malignant neoplasm of scapula and long bones of left upper limb	Diagnosis	ICD-10-CM
C40.1	Malignant neoplasm of short bones of upper limb	Diagnosis	ICD-10-CM
C40.10	Malignant neoplasm of short bones of unspecified upper limb	Diagnosis	ICD-10-CM
C40.11	Malignant neoplasm of short bones of right upper limb	Diagnosis	ICD-10-CM
C40.12	Malignant neoplasm of short bones of left upper limb	Diagnosis	ICD-10-CM
C40.2	Malignant neoplasm of long bones of lower limb	Diagnosis	ICD-10-CM
C40.20	Malignant neoplasm of long bones of unspecified lower limb	Diagnosis	ICD-10-CM
C40.21	Malignant neoplasm of long bones of right lower limb	Diagnosis	ICD-10-CM
C40.22	Malignant neoplasm of long bones of left lower limb	Diagnosis	ICD-10-CM
C40.3	Malignant neoplasm of short bones of lower limb	Diagnosis	ICD-10-CM
C40.30	Malignant neoplasm of short bones of unspecified lower limb	Diagnosis	ICD-10-CM
C40.31	Malignant neoplasm of short bones of right lower limb	Diagnosis	ICD-10-CM
C40.32	Malignant neoplasm of short bones of left lower limb	Diagnosis	ICD-10-CM
C40.8	Malignant neoplasm of overlapping sites of bone and articular cartilage of limb	Diagnosis	ICD-10-CM
C40.80	Malignant neoplasm of overlapping sites of bone and articular cartilage of unspecified limb	Diagnosis	ICD-10-CM
C40.81	Malignant neoplasm of overlapping sites of bone and articular cartilage of right limb	Diagnosis	ICD-10-CM
C40.82	Malignant neoplasm of overlapping sites of bone and articular cartilage of left limb	Diagnosis	ICD-10-CM
C40.9	Malignant neoplasm of unspecified bones and articular cartilage of limb	Diagnosis	ICD-10-CM
C40.90	Malignant neoplasm of unspecified bones and articular cartilage of unspecified limb	Diagnosis	ICD-10-CM
C40.91	Malignant neoplasm of unspecified bones and articular cartilage of right limb	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
C40.92	Malignant neoplasm of unspecified bones and articular cartilage of left limb	Diagnosis	ICD-10-CM
C41	Malignant neoplasm of bone and articular cartilage of other and unspecified sites	Diagnosis	ICD-10-CM
C41.0	Malignant neoplasm of bones of skull and face	Diagnosis	ICD-10-CM
C41.1	Malignant neoplasm of mandible	Diagnosis	ICD-10-CM
C41.2	Malignant neoplasm of vertebral column	Diagnosis	ICD-10-CM
C41.3	Malignant neoplasm of ribs, sternum and clavicle	Diagnosis	ICD-10-CM
C41.4	Malignant neoplasm of pelvic bones, sacrum and coccyx	Diagnosis	ICD-10-CM
C41.9	Malignant neoplasm of bone and articular cartilage, unspecified	Diagnosis	ICD-10-CM
C43.0	Malignant melanoma of lip	Diagnosis	ICD-10-CM
C43.1	Malignant melanoma of eyelid, including canthus	Diagnosis	ICD-10-CM
C43.10	Malignant melanoma of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
C43.11	Malignant melanoma of right eyelid, including canthus	Diagnosis	ICD-10-CM
C43.111	Malignant melanoma of right upper eyelid, including canthus	Diagnosis	ICD-10-CM
C43.112	Malignant melanoma of right lower eyelid, including canthus	Diagnosis	ICD-10-CM
C43.12	Malignant melanoma of left eyelid, including canthus	Diagnosis	ICD-10-CM
C43.121	Malignant melanoma of left upper eyelid, including canthus	Diagnosis	ICD-10-CM
C43.122	Malignant melanoma of left lower eyelid, including canthus	Diagnosis	ICD-10-CM
C43.2	Malignant melanoma of ear and external auricular canal	Diagnosis	ICD-10-CM
C43.20	Malignant melanoma of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
C43.21	Malignant melanoma of right ear and external auricular canal	Diagnosis	ICD-10-CM
C43.22	Malignant melanoma of left ear and external auricular canal	Diagnosis	ICD-10-CM
C43.3	Malignant melanoma of other and unspecified parts of face	Diagnosis	ICD-10-CM
C43.30	Malignant melanoma of unspecified part of face	Diagnosis	ICD-10-CM
C43.31	Malignant melanoma of nose	Diagnosis	ICD-10-CM
C43.39	Malignant melanoma of other parts of face	Diagnosis	ICD-10-CM
C43.4	Malignant melanoma of scalp and neck	Diagnosis	ICD-10-CM
C43.5	Malignant melanoma of trunk	Diagnosis	ICD-10-CM
C43.59	Malignant melanoma of other part of trunk	Diagnosis	ICD-10-CM
C43.6	Malignant melanoma of upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.60	Malignant melanoma of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.61	Malignant melanoma of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.62	Malignant melanoma of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C43.7	Malignant melanoma of lower limb, including hip	Diagnosis	ICD-10-CM
C43.70	Malignant melanoma of unspecified lower limb, including hip	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C43.71	Malignant melanoma of right lower limb, including hip	Diagnosis	ICD-10-CM
C43.72	Malignant melanoma of left lower limb, including hip	Diagnosis	ICD-10-CM
C45	Mesothelioma	Diagnosis	ICD-10-CM
C45.0	Mesothelioma of pleura	Diagnosis	ICD-10-CM
C45.1	Mesothelioma of peritoneum	Diagnosis	ICD-10-CM
C45.2	Mesothelioma of pericardium	Diagnosis	ICD-10-CM
C45.7	Mesothelioma of other sites	Diagnosis	ICD-10-CM
C45.9	Mesothelioma, unspecified	Diagnosis	ICD-10-CM
C46	Kaposi's sarcoma	Diagnosis	ICD-10-CM
C46.1	Kaposi's sarcoma of soft tissue	Diagnosis	ICD-10-CM
C46.2	Kaposi's sarcoma of palate	Diagnosis	ICD-10-CM
C46.3	Kaposi's sarcoma of lymph nodes	Diagnosis	ICD-10-CM
C46.4	Kaposi's sarcoma of gastrointestinal sites	Diagnosis	ICD-10-CM
C46.5	Kaposi's sarcoma of lung	Diagnosis	ICD-10-CM
C46.50	Kaposi's sarcoma of unspecified lung	Diagnosis	ICD-10-CM
C46.51	Kaposi's sarcoma of right lung	Diagnosis	ICD-10-CM
C46.52	Kaposi's sarcoma of left lung	Diagnosis	ICD-10-CM
C46.7	Kaposi's sarcoma of other sites	Diagnosis	ICD-10-CM
C46.9	Kaposi's sarcoma, unspecified	Diagnosis	ICD-10-CM
C47	Malignant neoplasm of peripheral nerves and autonomic nervous system	Diagnosis	ICD-10-CM
C47.0	Malignant neoplasm of peripheral nerves of head, face and neck	Diagnosis	ICD-10-CM
C47.1	Malignant neoplasm of peripheral nerves of upper limb, including shoulder	Diagnosis	ICD-10-CM
C47.10	Malignant neoplasm of peripheral nerves of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C47.11	Malignant neoplasm of peripheral nerves of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C47.12	Malignant neoplasm of peripheral nerves of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C47.2	Malignant neoplasm of peripheral nerves of lower limb, including hip	Diagnosis	ICD-10-CM
C47.20	Malignant neoplasm of peripheral nerves of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C47.21	Malignant neoplasm of peripheral nerves of right lower limb, including hip	Diagnosis	ICD-10-CM
C47.22	Malignant neoplasm of peripheral nerves of left lower limb, including hip	Diagnosis	ICD-10-CM
C47.3	Malignant neoplasm of peripheral nerves of thorax	Diagnosis	ICD-10-CM
C47.4	Malignant neoplasm of peripheral nerves of abdomen	Diagnosis	ICD-10-CM
C47.5	Malignant neoplasm of peripheral nerves of pelvis	Diagnosis	ICD-10-CM
C47.6	Malignant neoplasm of peripheral nerves of trunk, unspecified	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C47.8	Malignant neoplasm of overlapping sites of peripheral nerves and autonomic nervous system	Diagnosis	ICD-10-CM
C47.9	Malignant neoplasm of peripheral nerves and autonomic nervous system, unspecified	Diagnosis	ICD-10-CM
C48	Malignant neoplasm of retroperitoneum and peritoneum	Diagnosis	ICD-10-CM
C48.0	Malignant neoplasm of retroperitoneum	Diagnosis	ICD-10-CM
C48.1	Malignant neoplasm of specified parts of peritoneum	Diagnosis	ICD-10-CM
C48.2	Malignant neoplasm of peritoneum, unspecified	Diagnosis	ICD-10-CM
C48.8	Malignant neoplasm of overlapping sites of retroperitoneum and peritoneum	Diagnosis	ICD-10-CM
C49	Malignant neoplasm of other connective and soft tissue	Diagnosis	ICD-10-CM
C49.0	Malignant neoplasm of connective and soft tissue of head, face and neck	Diagnosis	ICD-10-CM
C49.1	Malignant neoplasm of connective and soft tissue of upper limb, including shoulder	Diagnosis	ICD-10-CM
C49.10	Malignant neoplasm of connective and soft tissue of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C49.11	Malignant neoplasm of connective and soft tissue of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C49.12	Malignant neoplasm of connective and soft tissue of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C49.2	Malignant neoplasm of connective and soft tissue of lower limb, including hip	Diagnosis	ICD-10-CM
C49.20	Malignant neoplasm of connective and soft tissue of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C49.21	Malignant neoplasm of connective and soft tissue of right lower limb, including hip	Diagnosis	ICD-10-CM
C49.22	Malignant neoplasm of connective and soft tissue of left lower limb, including hip	Diagnosis	ICD-10-CM
C49.3	Malignant neoplasm of connective and soft tissue of thorax	Diagnosis	ICD-10-CM
C49.4	Malignant neoplasm of connective and soft tissue of abdomen	Diagnosis	ICD-10-CM
C49.5	Malignant neoplasm of connective and soft tissue of pelvis	Diagnosis	ICD-10-CM
C49.6	Malignant neoplasm of connective and soft tissue of trunk, unspecified	Diagnosis	ICD-10-CM
C49.8	Malignant neoplasm of overlapping sites of connective and soft tissue	Diagnosis	ICD-10-CM
C49.9	Malignant neoplasm of connective and soft tissue, unspecified	Diagnosis	ICD-10-CM
C49.A	Gastrointestinal stromal tumor	Diagnosis	ICD-10-CM
C49.A0	Gastrointestinal stromal tumor, unspecified site	Diagnosis	ICD-10-CM
C49.A1	Gastrointestinal stromal tumor of esophagus	Diagnosis	ICD-10-CM
C49.A2	Gastrointestinal stromal tumor of stomach	Diagnosis	ICD-10-CM
C49.A3	Gastrointestinal stromal tumor of small intestine	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C49.A4	Gastrointestinal stromal tumor of large intestine	Diagnosis	ICD-10-CM
C49.A5	Gastrointestinal stromal tumor of rectum	Diagnosis	ICD-10-CM
C49.A9	Gastrointestinal stromal tumor of other sites	Diagnosis	ICD-10-CM
C4A	Merkel cell carcinoma	Diagnosis	ICD-10-CM
C4A.0	Merkel cell carcinoma of lip	Diagnosis	ICD-10-CM
C4A.1	Merkel cell carcinoma of eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.10	Merkel cell carcinoma of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.11	Merkel cell carcinoma of right eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.111	Merkel cell carcinoma of right upper eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.112	Merkel cell carcinoma of right lower eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.12	Merkel cell carcinoma of left eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.121	Merkel cell carcinoma of left upper eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.122	Merkel cell carcinoma of left lower eyelid, including canthus	Diagnosis	ICD-10-CM
C4A.2	Merkel cell carcinoma of ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.20	Merkel cell carcinoma of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.21	Merkel cell carcinoma of right ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.22	Merkel cell carcinoma of left ear and external auricular canal	Diagnosis	ICD-10-CM
C4A.3	Merkel cell carcinoma of other and unspecified parts of face	Diagnosis	ICD-10-CM
C4A.30	Merkel cell carcinoma of unspecified part of face	Diagnosis	ICD-10-CM
C4A.31	Merkel cell carcinoma of nose	Diagnosis	ICD-10-CM
C4A.39	Merkel cell carcinoma of other parts of face	Diagnosis	ICD-10-CM
C4A.4	Merkel cell carcinoma of scalp and neck	Diagnosis	ICD-10-CM
C4A.5	Merkel cell carcinoma of trunk	Diagnosis	ICD-10-CM
C4A.59	Merkel cell carcinoma of other part of trunk	Diagnosis	ICD-10-CM
C4A.6	Merkel cell carcinoma of upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.60	Merkel cell carcinoma of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.61	Merkel cell carcinoma of right upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.62	Merkel cell carcinoma of left upper limb, including shoulder	Diagnosis	ICD-10-CM
C4A.7	Merkel cell carcinoma of lower limb, including hip	Diagnosis	ICD-10-CM
C4A.70	Merkel cell carcinoma of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
C4A.71	Merkel cell carcinoma of right lower limb, including hip	Diagnosis	ICD-10-CM
C4A.72	Merkel cell carcinoma of left lower limb, including hip	Diagnosis	ICD-10-CM
C4A.8	Merkel cell carcinoma of overlapping sites	Diagnosis	ICD-10-CM
C4A.9	Merkel cell carcinoma, unspecified	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C50	Malignant neoplasm of breast	Diagnosis	ICD-10-CM
C50.0	Malignant neoplasm of nipple and areola	Diagnosis	ICD-10-CM
C50.01	Malignant neoplasm of nipple and areola, female	Diagnosis	ICD-10-CM
C50.011	Malignant neoplasm of nipple and areola, right female breast	Diagnosis	ICD-10-CM
C50.012	Malignant neoplasm of nipple and areola, left female breast	Diagnosis	ICD-10-CM
C50.019	Malignant neoplasm of nipple and areola, unspecified female breast	Diagnosis	ICD-10-CM
C50.02	Malignant neoplasm of nipple and areola, male	Diagnosis	ICD-10-CM
C50.021	Malignant neoplasm of nipple and areola, right male breast	Diagnosis	ICD-10-CM
C50.022	Malignant neoplasm of nipple and areola, left male breast	Diagnosis	ICD-10-CM
C50.029	Malignant neoplasm of nipple and areola, unspecified male breast	Diagnosis	ICD-10-CM
C50.1	Malignant neoplasm of central portion of breast	Diagnosis	ICD-10-CM
C50.11	Malignant neoplasm of central portion of breast, female	Diagnosis	ICD-10-CM
C50.111	Malignant neoplasm of central portion of right female breast	Diagnosis	ICD-10-CM
C50.112	Malignant neoplasm of central portion of left female breast	Diagnosis	ICD-10-CM
C50.119	Malignant neoplasm of central portion of unspecified female breast	Diagnosis	ICD-10-CM
C50.12	Malignant neoplasm of central portion of breast, male	Diagnosis	ICD-10-CM
C50.121	Malignant neoplasm of central portion of right male breast	Diagnosis	ICD-10-CM
C50.122	Malignant neoplasm of central portion of left male breast	Diagnosis	ICD-10-CM
C50.129	Malignant neoplasm of central portion of unspecified male breast	Diagnosis	ICD-10-CM
C50.2	Malignant neoplasm of upper-inner quadrant of breast	Diagnosis	ICD-10-CM
C50.21	Malignant neoplasm of upper-inner quadrant of breast, female	Diagnosis	ICD-10-CM
C50.211	Malignant neoplasm of upper-inner quadrant of right female breast	Diagnosis	ICD-10-CM
C50.212	Malignant neoplasm of upper-inner quadrant of left female breast	Diagnosis	ICD-10-CM
C50.219	Malignant neoplasm of upper-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.22	Malignant neoplasm of upper-inner quadrant of breast, male	Diagnosis	ICD-10-CM
C50.221	Malignant neoplasm of upper-inner quadrant of right male breast	Diagnosis	ICD-10-CM
C50.222	Malignant neoplasm of upper-inner quadrant of left male breast	Diagnosis	ICD-10-CM
C50.229	Malignant neoplasm of upper-inner quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.3	Malignant neoplasm of lower-inner quadrant of breast	Diagnosis	ICD-10-CM
C50.31	Malignant neoplasm of lower-inner quadrant of breast, female	Diagnosis	ICD-10-CM
C50.311	Malignant neoplasm of lower-inner quadrant of right female breast	Diagnosis	ICD-10-CM
C50.312	Malignant neoplasm of lower-inner quadrant of left female breast	Diagnosis	ICD-10-CM
C50.319	Malignant neoplasm of lower-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.32	Malignant neoplasm of lower-inner quadrant of breast, male	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C50.321	Malignant neoplasm of lower-inner quadrant of right male breast	Diagnosis	ICD-10-CM
C50.322	Malignant neoplasm of lower-inner quadrant of left male breast	Diagnosis	ICD-10-CM
C50.329	Malignant neoplasm of lower-inner quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.4	Malignant neoplasm of upper-outer quadrant of breast	Diagnosis	ICD-10-CM
C50.41	Malignant neoplasm of upper-outer quadrant of breast, female	Diagnosis	ICD-10-CM
C50.411	Malignant neoplasm of upper-outer quadrant of right female breast	Diagnosis	ICD-10-CM
C50.412	Malignant neoplasm of upper-outer quadrant of left female breast	Diagnosis	ICD-10-CM
C50.419	Malignant neoplasm of upper-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.42	Malignant neoplasm of upper-outer quadrant of breast, male	Diagnosis	ICD-10-CM
C50.421	Malignant neoplasm of upper-outer quadrant of right male breast	Diagnosis	ICD-10-CM
C50.422	Malignant neoplasm of upper-outer quadrant of left male breast	Diagnosis	ICD-10-CM
C50.429	Malignant neoplasm of upper-outer quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.5	Malignant neoplasm of lower-outer quadrant of breast	Diagnosis	ICD-10-CM
C50.51	Malignant neoplasm of lower-outer quadrant of breast, female	Diagnosis	ICD-10-CM
C50.511	Malignant neoplasm of lower-outer quadrant of right female breast	Diagnosis	ICD-10-CM
C50.512	Malignant neoplasm of lower-outer quadrant of left female breast	Diagnosis	ICD-10-CM
C50.519	Malignant neoplasm of lower-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.52	Malignant neoplasm of lower-outer quadrant of breast, male	Diagnosis	ICD-10-CM
C50.521	Malignant neoplasm of lower-outer quadrant of right male breast	Diagnosis	ICD-10-CM
C50.522	Malignant neoplasm of lower-outer quadrant of left male breast	Diagnosis	ICD-10-CM
C50.529	Malignant neoplasm of lower-outer quadrant of unspecified male breast	Diagnosis	ICD-10-CM
C50.6	Malignant neoplasm of axillary tail of breast	Diagnosis	ICD-10-CM
C50.61	Malignant neoplasm of axillary tail of breast, female	Diagnosis	ICD-10-CM
C50.611	Malignant neoplasm of axillary tail of right female breast	Diagnosis	ICD-10-CM
C50.612	Malignant neoplasm of axillary tail of left female breast	Diagnosis	ICD-10-CM
C50.619	Malignant neoplasm of axillary tail of unspecified female breast	Diagnosis	ICD-10-CM
C50.62	Malignant neoplasm of axillary tail of breast, male	Diagnosis	ICD-10-CM
C50.621	Malignant neoplasm of axillary tail of right male breast	Diagnosis	ICD-10-CM
C50.622	Malignant neoplasm of axillary tail of left male breast	Diagnosis	ICD-10-CM
C50.629	Malignant neoplasm of axillary tail of unspecified male breast	Diagnosis	ICD-10-CM
C50.8	Malignant neoplasm of overlapping sites of breast	Diagnosis	ICD-10-CM
C50.81	Malignant neoplasm of overlapping sites of breast, female	Diagnosis	ICD-10-CM
C50.811	Malignant neoplasm of overlapping sites of right female breast	Diagnosis	ICD-10-CM
C50.812	Malignant neoplasm of overlapping sites of left female breast	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C50.819	Malignant neoplasm of overlapping sites of unspecified female breast	Diagnosis	ICD-10-CM
C50.82	Malignant neoplasm of overlapping sites of breast, male	Diagnosis	ICD-10-CM
C50.821	Malignant neoplasm of overlapping sites of right male breast	Diagnosis	ICD-10-CM
C50.822	Malignant neoplasm of overlapping sites of left male breast	Diagnosis	ICD-10-CM
C50.829	Malignant neoplasm of overlapping sites of unspecified male breast	Diagnosis	ICD-10-CM
C50.9	Malignant neoplasm of breast of unspecified site	Diagnosis	ICD-10-CM
C50.91	Malignant neoplasm of breast of unspecified site, female	Diagnosis	ICD-10-CM
C50.911	Malignant neoplasm of unspecified site of right female breast	Diagnosis	ICD-10-CM
C50.912	Malignant neoplasm of unspecified site of left female breast	Diagnosis	ICD-10-CM
C50.919	Malignant neoplasm of unspecified site of unspecified female breast	Diagnosis	ICD-10-CM
C50.92	Malignant neoplasm of breast of unspecified site, male	Diagnosis	ICD-10-CM
C50.921	Malignant neoplasm of unspecified site of right male breast	Diagnosis	ICD-10-CM
C50.922	Malignant neoplasm of unspecified site of left male breast	Diagnosis	ICD-10-CM
C50.929	Malignant neoplasm of unspecified site of unspecified male breast	Diagnosis	ICD-10-CM
C51	Malignant neoplasm of vulva	Diagnosis	ICD-10-CM
C51.0	Malignant neoplasm of labium majus	Diagnosis	ICD-10-CM
C51.1	Malignant neoplasm of labium minus	Diagnosis	ICD-10-CM
C51.2	Malignant neoplasm of clitoris	Diagnosis	ICD-10-CM
C51.8	Malignant neoplasm of overlapping sites of vulva	Diagnosis	ICD-10-CM
C51.9	Malignant neoplasm of vulva, unspecified	Diagnosis	ICD-10-CM
C52	Malignant neoplasm of vagina	Diagnosis	ICD-10-CM
C53	Malignant neoplasm of cervix uteri	Diagnosis	ICD-10-CM
C53.0	Malignant neoplasm of endocervix	Diagnosis	ICD-10-CM
C53.1	Malignant neoplasm of exocervix	Diagnosis	ICD-10-CM
C53.8	Malignant neoplasm of overlapping sites of cervix uteri	Diagnosis	ICD-10-CM
C53.9	Malignant neoplasm of cervix uteri, unspecified	Diagnosis	ICD-10-CM
C54	Malignant neoplasm of corpus uteri	Diagnosis	ICD-10-CM
C54.0	Malignant neoplasm of isthmus uteri	Diagnosis	ICD-10-CM
C54.1	Malignant neoplasm of endometrium	Diagnosis	ICD-10-CM
C54.2	Malignant neoplasm of myometrium	Diagnosis	ICD-10-CM
C54.3	Malignant neoplasm of fundus uteri	Diagnosis	ICD-10-CM
C54.8	Malignant neoplasm of overlapping sites of corpus uteri	Diagnosis	ICD-10-CM
C54.9	Malignant neoplasm of corpus uteri, unspecified	Diagnosis	ICD-10-CM
C55	Malignant neoplasm of uterus, part unspecified	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C56	Malignant neoplasm of ovary	Diagnosis	ICD-10-CM
C56.1	Malignant neoplasm of right ovary	Diagnosis	ICD-10-CM
C56.2	Malignant neoplasm of left ovary	Diagnosis	ICD-10-CM
C56.9	Malignant neoplasm of unspecified ovary	Diagnosis	ICD-10-CM
C57	Malignant neoplasm of other and unspecified female genital organs	Diagnosis	ICD-10-CM
C57.0	Malignant neoplasm of fallopian tube	Diagnosis	ICD-10-CM
C57.00	Malignant neoplasm of unspecified fallopian tube	Diagnosis	ICD-10-CM
C57.01	Malignant neoplasm of right fallopian tube	Diagnosis	ICD-10-CM
C57.02	Malignant neoplasm of left fallopian tube	Diagnosis	ICD-10-CM
C57.1	Malignant neoplasm of broad ligament	Diagnosis	ICD-10-CM
C57.10	Malignant neoplasm of unspecified broad ligament	Diagnosis	ICD-10-CM
C57.11	Malignant neoplasm of right broad ligament	Diagnosis	ICD-10-CM
C57.12	Malignant neoplasm of left broad ligament	Diagnosis	ICD-10-CM
C57.2	Malignant neoplasm of round ligament	Diagnosis	ICD-10-CM
C57.20	Malignant neoplasm of unspecified round ligament	Diagnosis	ICD-10-CM
C57.21	Malignant neoplasm of right round ligament	Diagnosis	ICD-10-CM
C57.22	Malignant neoplasm of left round ligament	Diagnosis	ICD-10-CM
C57.3	Malignant neoplasm of parametrium	Diagnosis	ICD-10-CM
C57.4	Malignant neoplasm of uterine adnexa, unspecified	Diagnosis	ICD-10-CM
C57.7	Malignant neoplasm of other specified female genital organs	Diagnosis	ICD-10-CM
C57.8	Malignant neoplasm of overlapping sites of female genital organs	Diagnosis	ICD-10-CM
C57.9	Malignant neoplasm of female genital organ, unspecified	Diagnosis	ICD-10-CM
C58	Malignant neoplasm of placenta	Diagnosis	ICD-10-CM
C60	Malignant neoplasm of penis	Diagnosis	ICD-10-CM
C60.0	Malignant neoplasm of prepuce	Diagnosis	ICD-10-CM
C60.1	Malignant neoplasm of glans penis	Diagnosis	ICD-10-CM
C60.2	Malignant neoplasm of body of penis	Diagnosis	ICD-10-CM
C60.8	Malignant neoplasm of overlapping sites of penis	Diagnosis	ICD-10-CM
C60.9	Malignant neoplasm of penis, unspecified	Diagnosis	ICD-10-CM
C61	Malignant neoplasm of prostate	Diagnosis	ICD-10-CM
C62	Malignant neoplasm of testis	Diagnosis	ICD-10-CM
C62.0	Malignant neoplasm of undescended testis	Diagnosis	ICD-10-CM
C62.00	Malignant neoplasm of unspecified undescended testis	Diagnosis	ICD-10-CM
C62.01	Malignant neoplasm of undescended right testis	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C62.02	Malignant neoplasm of undescended left testis	Diagnosis	ICD-10-CM
C62.1	Malignant neoplasm of descended testis	Diagnosis	ICD-10-CM
C62.10	Malignant neoplasm of unspecified descended testis	Diagnosis	ICD-10-CM
C62.11	Malignant neoplasm of descended right testis	Diagnosis	ICD-10-CM
C62.12	Malignant neoplasm of descended left testis	Diagnosis	ICD-10-CM
C62.9	Malignant neoplasm of testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C62.90	Malignant neoplasm of unspecified testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C62.91	Malignant neoplasm of right testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C62.92	Malignant neoplasm of left testis, unspecified whether descended or undescended	Diagnosis	ICD-10-CM
C63	Malignant neoplasm of other and unspecified male genital organs	Diagnosis	ICD-10-CM
C63.0	Malignant neoplasm of epididymis	Diagnosis	ICD-10-CM
C63.00	Malignant neoplasm of unspecified epididymis	Diagnosis	ICD-10-CM
C63.01	Malignant neoplasm of right epididymis	Diagnosis	ICD-10-CM
C63.02	Malignant neoplasm of left epididymis	Diagnosis	ICD-10-CM
C63.1	Malignant neoplasm of spermatic cord	Diagnosis	ICD-10-CM
C63.10	Malignant neoplasm of unspecified spermatic cord	Diagnosis	ICD-10-CM
C63.11	Malignant neoplasm of right spermatic cord	Diagnosis	ICD-10-CM
C63.12	Malignant neoplasm of left spermatic cord	Diagnosis	ICD-10-CM
C63.2	Malignant neoplasm of scrotum	Diagnosis	ICD-10-CM
C63.7	Malignant neoplasm of other specified male genital organs	Diagnosis	ICD-10-CM
C63.8	Malignant neoplasm of overlapping sites of male genital organs	Diagnosis	ICD-10-CM
C63.9	Malignant neoplasm of male genital organ, unspecified	Diagnosis	ICD-10-CM
C64	Malignant neoplasm of kidney, except renal pelvis	Diagnosis	ICD-10-CM
C64.1	Malignant neoplasm of right kidney, except renal pelvis	Diagnosis	ICD-10-CM
C64.2	Malignant neoplasm of left kidney, except renal pelvis	Diagnosis	ICD-10-CM
C64.9	Malignant neoplasm of unspecified kidney, except renal pelvis	Diagnosis	ICD-10-CM
C65	Malignant neoplasm of renal pelvis	Diagnosis	ICD-10-CM
C65.1	Malignant neoplasm of right renal pelvis	Diagnosis	ICD-10-CM
C65.2	Malignant neoplasm of left renal pelvis	Diagnosis	ICD-10-CM
C65.9	Malignant neoplasm of unspecified renal pelvis	Diagnosis	ICD-10-CM
C66	Malignant neoplasm of ureter	Diagnosis	ICD-10-CM
C66.1	Malignant neoplasm of right ureter	Diagnosis	ICD-10-CM
C66.2	Malignant neoplasm of left ureter	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C66.9	Malignant neoplasm of unspecified ureter	Diagnosis	ICD-10-CM
C67	Malignant neoplasm of bladder	Diagnosis	ICD-10-CM
C67.0	Malignant neoplasm of trigone of bladder	Diagnosis	ICD-10-CM
C67.1	Malignant neoplasm of dome of bladder	Diagnosis	ICD-10-CM
C67.2	Malignant neoplasm of lateral wall of bladder	Diagnosis	ICD-10-CM
C67.3	Malignant neoplasm of anterior wall of bladder	Diagnosis	ICD-10-CM
C67.4	Malignant neoplasm of posterior wall of bladder	Diagnosis	ICD-10-CM
C67.5	Malignant neoplasm of bladder neck	Diagnosis	ICD-10-CM
C67.6	Malignant neoplasm of ureteric orifice	Diagnosis	ICD-10-CM
C67.7	Malignant neoplasm of urachus	Diagnosis	ICD-10-CM
C67.8	Malignant neoplasm of overlapping sites of bladder	Diagnosis	ICD-10-CM
C67.9	Malignant neoplasm of bladder, unspecified	Diagnosis	ICD-10-CM
C68	Malignant neoplasm of other and unspecified urinary organs	Diagnosis	ICD-10-CM
C68.0	Malignant neoplasm of urethra	Diagnosis	ICD-10-CM
C68.1	Malignant neoplasm of paraurethral glands	Diagnosis	ICD-10-CM
C68.8	Malignant neoplasm of overlapping sites of urinary organs	Diagnosis	ICD-10-CM
C68.9	Malignant neoplasm of urinary organ, unspecified	Diagnosis	ICD-10-CM
C69	Malignant neoplasm of eye and adnexa	Diagnosis	ICD-10-CM
C69.0	Malignant neoplasm of conjunctiva	Diagnosis	ICD-10-CM
C69.00	Malignant neoplasm of unspecified conjunctiva	Diagnosis	ICD-10-CM
C69.01	Malignant neoplasm of right conjunctiva	Diagnosis	ICD-10-CM
C69.02	Malignant neoplasm of left conjunctiva	Diagnosis	ICD-10-CM
C69.1	Malignant neoplasm of cornea	Diagnosis	ICD-10-CM
C69.10	Malignant neoplasm of unspecified cornea	Diagnosis	ICD-10-CM
C69.11	Malignant neoplasm of right cornea	Diagnosis	ICD-10-CM
C69.12	Malignant neoplasm of left cornea	Diagnosis	ICD-10-CM
C69.2	Malignant neoplasm of retina	Diagnosis	ICD-10-CM
C69.20	Malignant neoplasm of unspecified retina	Diagnosis	ICD-10-CM
C69.21	Malignant neoplasm of right retina	Diagnosis	ICD-10-CM
C69.22	Malignant neoplasm of left retina	Diagnosis	ICD-10-CM
C69.3	Malignant neoplasm of choroid	Diagnosis	ICD-10-CM
C69.30	Malignant neoplasm of unspecified choroid	Diagnosis	ICD-10-CM
C69.31	Malignant neoplasm of right choroid	Diagnosis	ICD-10-CM
C69.32	Malignant neoplasm of left choroid	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C69.4	Malignant neoplasm of ciliary body	Diagnosis	ICD-10-CM
C69.40	Malignant neoplasm of unspecified ciliary body	Diagnosis	ICD-10-CM
C69.41	Malignant neoplasm of right ciliary body	Diagnosis	ICD-10-CM
C69.42	Malignant neoplasm of left ciliary body	Diagnosis	ICD-10-CM
C69.5	Malignant neoplasm of lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.50	Malignant neoplasm of unspecified lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.51	Malignant neoplasm of right lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.52	Malignant neoplasm of left lacrimal gland and duct	Diagnosis	ICD-10-CM
C69.6	Malignant neoplasm of orbit	Diagnosis	ICD-10-CM
C69.60	Malignant neoplasm of unspecified orbit	Diagnosis	ICD-10-CM
C69.61	Malignant neoplasm of right orbit	Diagnosis	ICD-10-CM
C69.62	Malignant neoplasm of left orbit	Diagnosis	ICD-10-CM
C69.8	Malignant neoplasm of overlapping sites of eye and adnexa	Diagnosis	ICD-10-CM
C69.80	Malignant neoplasm of overlapping sites of unspecified eye and adnexa	Diagnosis	ICD-10-CM
C69.81	Malignant neoplasm of overlapping sites of right eye and adnexa	Diagnosis	ICD-10-CM
C69.82	Malignant neoplasm of overlapping sites of left eye and adnexa	Diagnosis	ICD-10-CM
C69.9	Malignant neoplasm of unspecified site of eye	Diagnosis	ICD-10-CM
C69.90	Malignant neoplasm of unspecified site of unspecified eye	Diagnosis	ICD-10-CM
C69.91	Malignant neoplasm of unspecified site of right eye	Diagnosis	ICD-10-CM
C69.92	Malignant neoplasm of unspecified site of left eye	Diagnosis	ICD-10-CM
C70	Malignant neoplasm of meninges	Diagnosis	ICD-10-CM
C70.0	Malignant neoplasm of cerebral meninges	Diagnosis	ICD-10-CM
C70.1	Malignant neoplasm of spinal meninges	Diagnosis	ICD-10-CM
C70.9	Malignant neoplasm of meninges, unspecified	Diagnosis	ICD-10-CM
C71	Malignant neoplasm of brain	Diagnosis	ICD-10-CM
C71.0	Malignant neoplasm of cerebrum, except lobes and ventricles	Diagnosis	ICD-10-CM
C71.1	Malignant neoplasm of frontal lobe	Diagnosis	ICD-10-CM
C71.2	Malignant neoplasm of temporal lobe	Diagnosis	ICD-10-CM
C71.3	Malignant neoplasm of parietal lobe	Diagnosis	ICD-10-CM
C71.4	Malignant neoplasm of occipital lobe	Diagnosis	ICD-10-CM
C71.5	Malignant neoplasm of cerebral ventricle	Diagnosis	ICD-10-CM
C71.6	Malignant neoplasm of cerebellum	Diagnosis	ICD-10-CM
C71.7	Malignant neoplasm of brain stem	Diagnosis	ICD-10-CM
C71.8	Malignant neoplasm of overlapping sites of brain	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C71.9	Malignant neoplasm of brain, unspecified	Diagnosis	ICD-10-CM
C72	Malignant neoplasm of spinal cord, cranial nerves and other parts of central nervous system	Diagnosis	ICD-10-CM
C72.0	Malignant neoplasm of spinal cord	Diagnosis	ICD-10-CM
C72.1	Malignant neoplasm of cauda equina	Diagnosis	ICD-10-CM
C72.2	Malignant neoplasm of olfactory nerve	Diagnosis	ICD-10-CM
C72.20	Malignant neoplasm of unspecified olfactory nerve	Diagnosis	ICD-10-CM
C72.21	Malignant neoplasm of right olfactory nerve	Diagnosis	ICD-10-CM
C72.22	Malignant neoplasm of left olfactory nerve	Diagnosis	ICD-10-CM
C72.3	Malignant neoplasm of optic nerve	Diagnosis	ICD-10-CM
C72.30	Malignant neoplasm of unspecified optic nerve	Diagnosis	ICD-10-CM
C72.31	Malignant neoplasm of right optic nerve	Diagnosis	ICD-10-CM
C72.32	Malignant neoplasm of left optic nerve	Diagnosis	ICD-10-CM
C72.4	Malignant neoplasm of acoustic nerve	Diagnosis	ICD-10-CM
C72.40	Malignant neoplasm of unspecified acoustic nerve	Diagnosis	ICD-10-CM
C72.41	Malignant neoplasm of right acoustic nerve	Diagnosis	ICD-10-CM
C72.42	Malignant neoplasm of left acoustic nerve	Diagnosis	ICD-10-CM
C72.5	Malignant neoplasm of other and unspecified cranial nerves	Diagnosis	ICD-10-CM
C72.50	Malignant neoplasm of unspecified cranial nerve	Diagnosis	ICD-10-CM
C72.59	Malignant neoplasm of other cranial nerves	Diagnosis	ICD-10-CM
C72.9	Malignant neoplasm of central nervous system, unspecified	Diagnosis	ICD-10-CM
C73	Malignant neoplasm of thyroid gland	Diagnosis	ICD-10-CM
C74	Malignant neoplasm of adrenal gland	Diagnosis	ICD-10-CM
C74.0	Malignant neoplasm of cortex of adrenal gland	Diagnosis	ICD-10-CM
C74.00	Malignant neoplasm of cortex of unspecified adrenal gland	Diagnosis	ICD-10-CM
C74.01	Malignant neoplasm of cortex of right adrenal gland	Diagnosis	ICD-10-CM
C74.02	Malignant neoplasm of cortex of left adrenal gland	Diagnosis	ICD-10-CM
C74.1	Malignant neoplasm of medulla of adrenal gland	Diagnosis	ICD-10-CM
C74.10	Malignant neoplasm of medulla of unspecified adrenal gland	Diagnosis	ICD-10-CM
C74.11	Malignant neoplasm of medulla of right adrenal gland	Diagnosis	ICD-10-CM
C74.12	Malignant neoplasm of medulla of left adrenal gland	Diagnosis	ICD-10-CM
C74.9	Malignant neoplasm of unspecified part of adrenal gland	Diagnosis	ICD-10-CM
C74.90	Malignant neoplasm of unspecified part of unspecified adrenal gland	Diagnosis	ICD-10-CM
C74.91	Malignant neoplasm of unspecified part of right adrenal gland	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C74.92	Malignant neoplasm of unspecified part of left adrenal gland	Diagnosis	ICD-10-CM
C75	Malignant neoplasm of other endocrine glands and related structures	Diagnosis	ICD-10-CM
C75.0	Malignant neoplasm of parathyroid gland	Diagnosis	ICD-10-CM
C75.1	Malignant neoplasm of pituitary gland	Diagnosis	ICD-10-CM
C75.2	Malignant neoplasm of craniopharyngeal duct	Diagnosis	ICD-10-CM
C75.3	Malignant neoplasm of pineal gland	Diagnosis	ICD-10-CM
C75.4	Malignant neoplasm of carotid body	Diagnosis	ICD-10-CM
C75.5	Malignant neoplasm of aortic body and other paraganglia	Diagnosis	ICD-10-CM
C75.8	Malignant neoplasm with pluriglandular involvement, unspecified	Diagnosis	ICD-10-CM
C75.9	Malignant neoplasm of endocrine gland, unspecified	Diagnosis	ICD-10-CM
C76	Malignant neoplasm of other and ill-defined sites	Diagnosis	ICD-10-CM
C76.0	Malignant neoplasm of head, face and neck	Diagnosis	ICD-10-CM
C76.1	Malignant neoplasm of thorax	Diagnosis	ICD-10-CM
C76.2	Malignant neoplasm of abdomen	Diagnosis	ICD-10-CM
C76.3	Malignant neoplasm of pelvis	Diagnosis	ICD-10-CM
C76.4	Malignant neoplasm of upper limb	Diagnosis	ICD-10-CM
C76.40	Malignant neoplasm of unspecified upper limb	Diagnosis	ICD-10-CM
C76.41	Malignant neoplasm of right upper limb	Diagnosis	ICD-10-CM
C76.42	Malignant neoplasm of left upper limb	Diagnosis	ICD-10-CM
C76.5	Malignant neoplasm of lower limb	Diagnosis	ICD-10-CM
C76.50	Malignant neoplasm of unspecified lower limb	Diagnosis	ICD-10-CM
C76.51	Malignant neoplasm of right lower limb	Diagnosis	ICD-10-CM
C76.52	Malignant neoplasm of left lower limb	Diagnosis	ICD-10-CM
C76.8	Malignant neoplasm of other specified ill-defined sites	Diagnosis	ICD-10-CM
C77	Secondary and unspecified malignant neoplasm of lymph nodes	Diagnosis	ICD-10-CM
C77.0	Secondary and unspecified malignant neoplasm of lymph nodes of head, face and neck	Diagnosis	ICD-10-CM
C77.1	Secondary and unspecified malignant neoplasm of intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C77.2	Secondary and unspecified malignant neoplasm of intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C77.3	Secondary and unspecified malignant neoplasm of axilla and upper limb lymph nodes	Diagnosis	ICD-10-CM
C77.4	Secondary and unspecified malignant neoplasm of inguinal and lower limb lymph nodes	Diagnosis	ICD-10-CM
C77.5	Secondary and unspecified malignant neoplasm of intrapelvic lymph nodes	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C77.8	Secondary and unspecified malignant neoplasm of lymph nodes of multiple regions	Diagnosis	ICD-10-CM
C77.9	Secondary and unspecified malignant neoplasm of lymph node, unspecified	Diagnosis	ICD-10-CM
C78	Secondary malignant neoplasm of respiratory and digestive organs	Diagnosis	ICD-10-CM
C78.0	Secondary malignant neoplasm of lung	Diagnosis	ICD-10-CM
C78.00	Secondary malignant neoplasm of unspecified lung	Diagnosis	ICD-10-CM
C78.01	Secondary malignant neoplasm of right lung	Diagnosis	ICD-10-CM
C78.02	Secondary malignant neoplasm of left lung	Diagnosis	ICD-10-CM
C78.1	Secondary malignant neoplasm of mediastinum	Diagnosis	ICD-10-CM
C78.2	Secondary malignant neoplasm of pleura	Diagnosis	ICD-10-CM
C78.3	Secondary malignant neoplasm of other and unspecified respiratory organs	Diagnosis	ICD-10-CM
C78.30	Secondary malignant neoplasm of unspecified respiratory organ	Diagnosis	ICD-10-CM
C78.39	Secondary malignant neoplasm of other respiratory organs	Diagnosis	ICD-10-CM
C78.4	Secondary malignant neoplasm of small intestine	Diagnosis	ICD-10-CM
C78.5	Secondary malignant neoplasm of large intestine and rectum	Diagnosis	ICD-10-CM
C78.6	Secondary malignant neoplasm of retroperitoneum and peritoneum	Diagnosis	ICD-10-CM
C78.7	Secondary malignant neoplasm of liver and intrahepatic bile duct	Diagnosis	ICD-10-CM
C78.8	Secondary malignant neoplasm of other and unspecified digestive organs	Diagnosis	ICD-10-CM
C78.80	Secondary malignant neoplasm of unspecified digestive organ	Diagnosis	ICD-10-CM
C78.89	Secondary malignant neoplasm of other digestive organs	Diagnosis	ICD-10-CM
C79	Secondary malignant neoplasm of other and unspecified sites	Diagnosis	ICD-10-CM
C79.0	Secondary malignant neoplasm of kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.00	Secondary malignant neoplasm of unspecified kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.01	Secondary malignant neoplasm of right kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.02	Secondary malignant neoplasm of left kidney and renal pelvis	Diagnosis	ICD-10-CM
C79.1	Secondary malignant neoplasm of bladder and other and unspecified urinary organs	Diagnosis	ICD-10-CM
C79.10	Secondary malignant neoplasm of unspecified urinary organs	Diagnosis	ICD-10-CM
C79.11	Secondary malignant neoplasm of bladder	Diagnosis	ICD-10-CM
C79.19	Secondary malignant neoplasm of other urinary organs	Diagnosis	ICD-10-CM
C79.3	Secondary malignant neoplasm of brain and cerebral meninges	Diagnosis	ICD-10-CM
C79.31	Secondary malignant neoplasm of brain	Diagnosis	ICD-10-CM
C79.32	Secondary malignant neoplasm of cerebral meninges	Diagnosis	ICD-10-CM
C79.4	Secondary malignant neoplasm of other and unspecified parts of nervous system	Diagnosis	ICD-10-CM
C79.40	Secondary malignant neoplasm of unspecified part of nervous system	Diagnosis	ICD-10-CM
C79.49	Secondary malignant neoplasm of other parts of nervous system	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C79.5	Secondary malignant neoplasm of bone and bone marrow	Diagnosis	ICD-10-CM
C79.51	Secondary malignant neoplasm of bone	Diagnosis	ICD-10-CM
C79.52	Secondary malignant neoplasm of bone marrow	Diagnosis	ICD-10-CM
C79.6	Secondary malignant neoplasm of ovary	Diagnosis	ICD-10-CM
C79.60	Secondary malignant neoplasm of unspecified ovary	Diagnosis	ICD-10-CM
C79.61	Secondary malignant neoplasm of right ovary	Diagnosis	ICD-10-CM
C79.62	Secondary malignant neoplasm of left ovary	Diagnosis	ICD-10-CM
C79.7	Secondary malignant neoplasm of adrenal gland	Diagnosis	ICD-10-CM
C79.70	Secondary malignant neoplasm of unspecified adrenal gland	Diagnosis	ICD-10-CM
C79.71	Secondary malignant neoplasm of right adrenal gland	Diagnosis	ICD-10-CM
C79.72	Secondary malignant neoplasm of left adrenal gland	Diagnosis	ICD-10-CM
C79.8	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-10-CM
C79.81	Secondary malignant neoplasm of breast	Diagnosis	ICD-10-CM
C79.82	Secondary malignant neoplasm of genital organs	Diagnosis	ICD-10-CM
C79.89	Secondary malignant neoplasm of other specified sites	Diagnosis	ICD-10-CM
C79.9	Secondary malignant neoplasm of unspecified site	Diagnosis	ICD-10-CM
C7A	Malignant neuroendocrine tumors	Diagnosis	ICD-10-CM
C7A.0	Malignant carcinoid tumors	Diagnosis	ICD-10-CM
C7A.00	Malignant carcinoid tumor of unspecified site	Diagnosis	ICD-10-CM
C7A.01	Malignant carcinoid tumors of the small intestine	Diagnosis	ICD-10-CM
C7A.010	Malignant carcinoid tumor of the duodenum	Diagnosis	ICD-10-CM
C7A.011	Malignant carcinoid tumor of the jejunum	Diagnosis	ICD-10-CM
C7A.012	Malignant carcinoid tumor of the ileum	Diagnosis	ICD-10-CM
C7A.019	Malignant carcinoid tumor of the small intestine, unspecified portion	Diagnosis	ICD-10-CM
C7A.02	Malignant carcinoid tumors of the appendix, large intestine, and rectum	Diagnosis	ICD-10-CM
C7A.020	Malignant carcinoid tumor of the appendix	Diagnosis	ICD-10-CM
C7A.021	Malignant carcinoid tumor of the cecum	Diagnosis	ICD-10-CM
C7A.022	Malignant carcinoid tumor of the ascending colon	Diagnosis	ICD-10-CM
C7A.023	Malignant carcinoid tumor of the transverse colon	Diagnosis	ICD-10-CM
C7A.024	Malignant carcinoid tumor of the descending colon	Diagnosis	ICD-10-CM
C7A.025	Malignant carcinoid tumor of the sigmoid colon	Diagnosis	ICD-10-CM
C7A.026	Malignant carcinoid tumor of the rectum	Diagnosis	ICD-10-CM
C7A.029	Malignant carcinoid tumor of the large intestine, unspecified portion	Diagnosis	ICD-10-CM
C7A.09	Malignant carcinoid tumors of other sites	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C7A.090	Malignant carcinoid tumor of the bronchus and lung	Diagnosis	ICD-10-CM
C7A.091	Malignant carcinoid tumor of the thymus	Diagnosis	ICD-10-CM
C7A.092	Malignant carcinoid tumor of the stomach	Diagnosis	ICD-10-CM
C7A.093	Malignant carcinoid tumor of the kidney	Diagnosis	ICD-10-CM
C7A.094	Malignant carcinoid tumor of the foregut, unspecified	Diagnosis	ICD-10-CM
C7A.095	Malignant carcinoid tumor of the midgut, unspecified	Diagnosis	ICD-10-CM
C7A.096	Malignant carcinoid tumor of the hindgut, unspecified	Diagnosis	ICD-10-CM
C7A.098	Malignant carcinoid tumors of other sites	Diagnosis	ICD-10-CM
C7A.1	Malignant poorly differentiated neuroendocrine tumors	Diagnosis	ICD-10-CM
C7A.8	Other malignant neuroendocrine tumors	Diagnosis	ICD-10-CM
C7B	Secondary neuroendocrine tumors	Diagnosis	ICD-10-CM
C7B.0	Secondary carcinoid tumors	Diagnosis	ICD-10-CM
C7B.00	Secondary carcinoid tumors, unspecified site	Diagnosis	ICD-10-CM
C7B.01	Secondary carcinoid tumors of distant lymph nodes	Diagnosis	ICD-10-CM
C7B.02	Secondary carcinoid tumors of liver	Diagnosis	ICD-10-CM
C7B.03	Secondary carcinoid tumors of bone	Diagnosis	ICD-10-CM
C7B.04	Secondary carcinoid tumors of peritoneum	Diagnosis	ICD-10-CM
C7B.09	Secondary carcinoid tumors of other sites	Diagnosis	ICD-10-CM
C7B.1	Secondary Merkel cell carcinoma	Diagnosis	ICD-10-CM
C7B.8	Other secondary neuroendocrine tumors	Diagnosis	ICD-10-CM
C80	Malignant neoplasm without specification of site	Diagnosis	ICD-10-CM
C80.0	Disseminated malignant neoplasm, unspecified	Diagnosis	ICD-10-CM
C80.1	Malignant (primary) neoplasm, unspecified	Diagnosis	ICD-10-CM
C80.2	Malignant neoplasm associated with transplanted organ	Diagnosis	ICD-10-CM
C81	Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.0	Nodular lymphocyte predominant Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.00	Nodular lymphocyte predominant Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.01	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.02	Nodular lymphocyte predominant Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.03	Nodular lymphocyte predominant Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.04	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C81.05	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.06	Nodular lymphocyte predominant Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.07	Nodular lymphocyte predominant Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.08	Nodular lymphocyte predominant Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.09	Nodular lymphocyte predominant Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.1	Nodular sclerosis Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.10	Nodular sclerosis Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.11	Nodular sclerosis Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.12	Nodular sclerosis Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.13	Nodular sclerosis Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.14	Nodular sclerosis Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.15	Nodular sclerosis Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.16	Nodular sclerosis Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.17	Nodular sclerosis Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.18	Nodular sclerosis Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.19	Nodular sclerosis Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.2	Mixed cellularity Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.20	Mixed cellularity Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.21	Mixed cellularity Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.22	Mixed cellularity Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.23	Mixed cellularity Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.24	Mixed cellularity Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.25	Mixed cellularity Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.26	Mixed cellularity Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.27	Mixed cellularity Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.28	Mixed cellularity Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.29	Mixed cellularity Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.3	Lymphocyte depleted Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.30	Lymphocyte depleted Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.31	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.32	Lymphocyte depleted Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C81.33	Lymphocyte depleted Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.34	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.35	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.36	Lymphocyte depleted Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.37	Lymphocyte depleted Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.38	Lymphocyte depleted Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.39	Lymphocyte depleted Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.4	Lymphocyte-rich Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.40	Lymphocyte-rich Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.41	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.42	Lymphocyte-rich Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.43	Lymphocyte-rich Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.44	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.45	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.46	Lymphocyte-rich Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.47	Lymphocyte-rich Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.48	Lymphocyte-rich Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.49	Lymphocyte-rich Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.7	Other Hodgkin lymphoma	Diagnosis	ICD-10-CM
C81.70	Other Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C81.71	Other Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.72	Other Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C81.73	Other Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.74	Other Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.75	Other Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.76	Other Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.77	Other Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C81.78	Other Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.79	Other Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C81.9	Hodgkin lymphoma, unspecified	Diagnosis	ICD-10-CM
C81.90	Hodgkin lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C81.91	Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C81.92	Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C81.93	Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C81.94	Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C81.95	Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C81.96	Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C81.97	Hodgkin lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C81.98	Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C81.99	Hodgkin lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82	Follicular lymphoma	Diagnosis	ICD-10-CM
C82.0	Follicular lymphoma grade I	Diagnosis	ICD-10-CM
C82.00	Follicular lymphoma grade I, unspecified site	Diagnosis	ICD-10-CM
C82.01	Follicular lymphoma grade I, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.02	Follicular lymphoma grade I, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.03	Follicular lymphoma grade I, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.04	Follicular lymphoma grade I, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.05	Follicular lymphoma grade I, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.06	Follicular lymphoma grade I, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.07	Follicular lymphoma grade I, spleen	Diagnosis	ICD-10-CM
C82.08	Follicular lymphoma grade I, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.09	Follicular lymphoma grade I, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.1	Follicular lymphoma grade II	Diagnosis	ICD-10-CM
C82.10	Follicular lymphoma grade II, unspecified site	Diagnosis	ICD-10-CM
C82.11	Follicular lymphoma grade II, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.12	Follicular lymphoma grade II, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.13	Follicular lymphoma grade II, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.14	Follicular lymphoma grade II, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.15	Follicular lymphoma grade II, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.16	Follicular lymphoma grade II, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.17	Follicular lymphoma grade II, spleen	Diagnosis	ICD-10-CM
C82.18	Follicular lymphoma grade II, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.19	Follicular lymphoma grade II, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.2	Follicular lymphoma grade III, unspecified	Diagnosis	ICD-10-CM
C82.20	Follicular lymphoma grade III, unspecified, unspecified site	Diagnosis	ICD-10-CM
C82.21	Follicular lymphoma grade III, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.22	Follicular lymphoma grade III, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C82.23	Follicular lymphoma grade III, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.24	Follicular lymphoma grade III, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.25	Follicular lymphoma grade III, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.26	Follicular lymphoma grade III, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.27	Follicular lymphoma grade III, unspecified, spleen	Diagnosis	ICD-10-CM
C82.28	Follicular lymphoma grade III, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.29	Follicular lymphoma grade III, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.3	Follicular lymphoma grade IIIa	Diagnosis	ICD-10-CM
C82.30	Follicular lymphoma grade IIIa, unspecified site	Diagnosis	ICD-10-CM
C82.31	Follicular lymphoma grade IIIa, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.32	Follicular lymphoma grade IIIa, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.33	Follicular lymphoma grade IIIa, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.34	Follicular lymphoma grade IIIa, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.35	Follicular lymphoma grade IIIa, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.36	Follicular lymphoma grade IIIa, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.37	Follicular lymphoma grade IIIa, spleen	Diagnosis	ICD-10-CM
C82.38	Follicular lymphoma grade IIIa, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.39	Follicular lymphoma grade IIIa, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.4	Follicular lymphoma grade IIIb	Diagnosis	ICD-10-CM
C82.40	Follicular lymphoma grade IIIb, unspecified site	Diagnosis	ICD-10-CM
C82.41	Follicular lymphoma grade IIIb, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.42	Follicular lymphoma grade IIIb, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.43	Follicular lymphoma grade IIIb, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.44	Follicular lymphoma grade IIIb, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.45	Follicular lymphoma grade IIIb, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.46	Follicular lymphoma grade IIIb, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.47	Follicular lymphoma grade IIIb, spleen	Diagnosis	ICD-10-CM
C82.48	Follicular lymphoma grade IIIb, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.49	Follicular lymphoma grade IIIb, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.5	Diffuse follicle center lymphoma	Diagnosis	ICD-10-CM
C82.50	Diffuse follicle center lymphoma, unspecified site	Diagnosis	ICD-10-CM
C82.51	Diffuse follicle center lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.52	Diffuse follicle center lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C82.53	Diffuse follicle center lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.54	Diffuse follicle center lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.55	Diffuse follicle center lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.56	Diffuse follicle center lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.57	Diffuse follicle center lymphoma, spleen	Diagnosis	ICD-10-CM
C82.58	Diffuse follicle center lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.59	Diffuse follicle center lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.6	Cutaneous follicle center lymphoma	Diagnosis	ICD-10-CM
C82.60	Cutaneous follicle center lymphoma, unspecified site	Diagnosis	ICD-10-CM
C82.61	Cutaneous follicle center lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.62	Cutaneous follicle center lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.63	Cutaneous follicle center lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.64	Cutaneous follicle center lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.65	Cutaneous follicle center lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.66	Cutaneous follicle center lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.67	Cutaneous follicle center lymphoma, spleen	Diagnosis	ICD-10-CM
C82.68	Cutaneous follicle center lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.69	Cutaneous follicle center lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.8	Other types of follicular lymphoma	Diagnosis	ICD-10-CM
C82.80	Other types of follicular lymphoma, unspecified site	Diagnosis	ICD-10-CM
C82.81	Other types of follicular lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.82	Other types of follicular lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.83	Other types of follicular lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C82.84	Other types of follicular lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.85	Other types of follicular lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.86	Other types of follicular lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.87	Other types of follicular lymphoma, spleen	Diagnosis	ICD-10-CM
C82.88	Other types of follicular lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.89	Other types of follicular lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C82.9	Follicular lymphoma, unspecified	Diagnosis	ICD-10-CM
C82.90	Follicular lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C82.91	Follicular lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C82.92	Follicular lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C82.93	Follicular lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C82.94	Follicular lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C82.95	Follicular lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C82.96	Follicular lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C82.97	Follicular lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C82.98	Follicular lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C82.99	Follicular lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83	Non-follicular lymphoma	Diagnosis	ICD-10-CM
C83.0	Small cell B-cell lymphoma	Diagnosis	ICD-10-CM
C83.00	Small cell B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.01	Small cell B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.02	Small cell B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.03	Small cell B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.04	Small cell B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.05	Small cell B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.06	Small cell B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.07	Small cell B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C83.08	Small cell B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.09	Small cell B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.1	Mantle cell lymphoma	Diagnosis	ICD-10-CM
C83.10	Mantle cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.11	Mantle cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.12	Mantle cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.13	Mantle cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.14	Mantle cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.15	Mantle cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.16	Mantle cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.17	Mantle cell lymphoma, spleen	Diagnosis	ICD-10-CM
C83.18	Mantle cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.19	Mantle cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.3	Diffuse large B-cell lymphoma	Diagnosis	ICD-10-CM
C83.30	Diffuse large B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.31	Diffuse large B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.32	Diffuse large B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.33	Diffuse large B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C83.34	Diffuse large B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.35	Diffuse large B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.36	Diffuse large B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.37	Diffuse large B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C83.38	Diffuse large B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.39	Diffuse large B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.5	Lymphoblastic (diffuse) lymphoma	Diagnosis	ICD-10-CM
C83.50	Lymphoblastic (diffuse) lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.51	Lymphoblastic (diffuse) lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.52	Lymphoblastic (diffuse) lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.53	Lymphoblastic (diffuse) lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.54	Lymphoblastic (diffuse) lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.55	Lymphoblastic (diffuse) lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.56	Lymphoblastic (diffuse) lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.57	Lymphoblastic (diffuse) lymphoma, spleen	Diagnosis	ICD-10-CM
C83.58	Lymphoblastic (diffuse) lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.59	Lymphoblastic (diffuse) lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.7	Burkitt lymphoma	Diagnosis	ICD-10-CM
C83.70	Burkitt lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.71	Burkitt lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.72	Burkitt lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.73	Burkitt lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.74	Burkitt lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.75	Burkitt lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.76	Burkitt lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.77	Burkitt lymphoma, spleen	Diagnosis	ICD-10-CM
C83.78	Burkitt lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.79	Burkitt lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.8	Other non-follicular lymphoma	Diagnosis	ICD-10-CM
C83.80	Other non-follicular lymphoma, unspecified site	Diagnosis	ICD-10-CM
C83.81	Other non-follicular lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.82	Other non-follicular lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.83	Other non-follicular lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.84	Other non-follicular lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C83.85	Other non-follicular lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.86	Other non-follicular lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.87	Other non-follicular lymphoma, spleen	Diagnosis	ICD-10-CM
C83.88	Other non-follicular lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.89	Other non-follicular lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C83.9	Non-follicular (diffuse) lymphoma, unspecified	Diagnosis	ICD-10-CM
C83.90	Non-follicular (diffuse) lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C83.91	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C83.92	Non-follicular (diffuse) lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C83.93	Non-follicular (diffuse) lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C83.94	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C83.95	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C83.96	Non-follicular (diffuse) lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C83.97	Non-follicular (diffuse) lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C83.98	Non-follicular (diffuse) lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C83.99	Non-follicular (diffuse) lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84	Mature T/NK-cell lymphomas	Diagnosis	ICD-10-CM
C84.0	Mycosis fungoides	Diagnosis	ICD-10-CM
C84.00	Mycosis fungoides, unspecified site	Diagnosis	ICD-10-CM
C84.01	Mycosis fungoides, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.02	Mycosis fungoides, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.03	Mycosis fungoides, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.04	Mycosis fungoides, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.05	Mycosis fungoides, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.06	Mycosis fungoides, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.07	Mycosis fungoides, spleen	Diagnosis	ICD-10-CM
C84.08	Mycosis fungoides, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.09	Mycosis fungoides, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.1	Sezary disease	Diagnosis	ICD-10-CM
C84.10	Sezary disease, unspecified site	Diagnosis	ICD-10-CM
C84.11	Sezary disease, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.12	Sezary disease, intrathoracic lymph nodes	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C84.13	Sezary disease, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.14	Sezary disease, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.15	Sezary disease, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.16	Sezary disease, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.17	Sezary disease, spleen	Diagnosis	ICD-10-CM
C84.18	Sezary disease, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.19	Sezary disease, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.4	Peripheral T-cell lymphoma, not classified	Diagnosis	ICD-10-CM
C84.40	Peripheral T-cell lymphoma, not classified, unspecified site	Diagnosis	ICD-10-CM
C84.41	Peripheral T-cell lymphoma, not classified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.42	Peripheral T-cell lymphoma, not classified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.43	Peripheral T-cell lymphoma, not classified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.44	Peripheral T-cell lymphoma, not classified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.45	Peripheral T-cell lymphoma, not classified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.46	Peripheral T-cell lymphoma, not classified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.47	Peripheral T-cell lymphoma, not classified, spleen	Diagnosis	ICD-10-CM
C84.48	Peripheral T-cell lymphoma, not classified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.49	Peripheral T-cell lymphoma, not classified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.6	Anaplastic large cell lymphoma, ALK-positive	Diagnosis	ICD-10-CM
C84.60	Anaplastic large cell lymphoma, ALK-positive, unspecified site	Diagnosis	ICD-10-CM
C84.61	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.62	Anaplastic large cell lymphoma, ALK-positive, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.63	Anaplastic large cell lymphoma, ALK-positive, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.64	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.65	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.66	Anaplastic large cell lymphoma, ALK-positive, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.67	Anaplastic large cell lymphoma, ALK-positive, spleen	Diagnosis	ICD-10-CM
C84.68	Anaplastic large cell lymphoma, ALK-positive, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.69	Anaplastic large cell lymphoma, ALK-positive, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.7	Anaplastic large cell lymphoma, ALK-negative	Diagnosis	ICD-10-CM
C84.70	Anaplastic large cell lymphoma, ALK-negative, unspecified site	Diagnosis	ICD-10-CM
C84.71	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C84.72	Anaplastic large cell lymphoma, ALK-negative, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.73	Anaplastic large cell lymphoma, ALK-negative, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.74	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.75	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.76	Anaplastic large cell lymphoma, ALK-negative, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.77	Anaplastic large cell lymphoma, ALK-negative, spleen	Diagnosis	ICD-10-CM
C84.78	Anaplastic large cell lymphoma, ALK-negative, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.79	Anaplastic large cell lymphoma, ALK-negative, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.9	Mature T/NK-cell lymphomas, unspecified	Diagnosis	ICD-10-CM
C84.90	Mature T/NK-cell lymphomas, unspecified, unspecified site	Diagnosis	ICD-10-CM
C84.91	Mature T/NK-cell lymphomas, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.92	Mature T/NK-cell lymphomas, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.93	Mature T/NK-cell lymphomas, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.94	Mature T/NK-cell lymphomas, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.95	Mature T/NK-cell lymphomas, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.96	Mature T/NK-cell lymphomas, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.97	Mature T/NK-cell lymphomas, unspecified, spleen	Diagnosis	ICD-10-CM
C84.98	Mature T/NK-cell lymphomas, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.99	Mature T/NK-cell lymphomas, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.A	Cutaneous T-cell lymphoma, unspecified	Diagnosis	ICD-10-CM
C84.A0	Cutaneous T-cell lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C84.A1	Cutaneous T-cell lymphoma, unspecified lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.A2	Cutaneous T-cell lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.A3	Cutaneous T-cell lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.A4	Cutaneous T-cell lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.A5	Cutaneous T-cell lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.A6	Cutaneous T-cell lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.A7	Cutaneous T-cell lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C84.A8	Cutaneous T-cell lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.A9	Cutaneous T-cell lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C84.Z	Other mature T/NK-cell lymphomas	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C84.Z0	Other mature T/NK-cell lymphomas, unspecified site	Diagnosis	ICD-10-CM
C84.Z1	Other mature T/NK-cell lymphomas, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C84.Z2	Other mature T/NK-cell lymphomas, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C84.Z3	Other mature T/NK-cell lymphomas, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C84.Z4	Other mature T/NK-cell lymphomas, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C84.Z5	Other mature T/NK-cell lymphomas, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C84.Z6	Other mature T/NK-cell lymphomas, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C84.Z7	Other mature T/NK-cell lymphomas, spleen	Diagnosis	ICD-10-CM
C84.Z8	Other mature T/NK-cell lymphomas, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C84.Z9	Other mature T/NK-cell lymphomas, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C85	Other specified and unspecified types of non-Hodgkin lymphoma	Diagnosis	ICD-10-CM
C85.1	Unspecified B-cell lymphoma	Diagnosis	ICD-10-CM
C85.10	Unspecified B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C85.11	Unspecified B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.12	Unspecified B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C85.13	Unspecified B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.14	Unspecified B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.15	Unspecified B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.16	Unspecified B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.17	Unspecified B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C85.18	Unspecified B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.19	Unspecified B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C85.2	Mediastinal (thymic) large B-cell lymphoma	Diagnosis	ICD-10-CM
C85.20	Mediastinal (thymic) large B-cell lymphoma, unspecified site	Diagnosis	ICD-10-CM
C85.21	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.22	Mediastinal (thymic) large B-cell lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C85.23	Mediastinal (thymic) large B-cell lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.24	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.25	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.26	Mediastinal (thymic) large B-cell lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.27	Mediastinal (thymic) large B-cell lymphoma, spleen	Diagnosis	ICD-10-CM
C85.28	Mediastinal (thymic) large B-cell lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.29	Mediastinal (thymic) large B-cell lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C85.8	Other specified types of non-Hodgkin lymphoma	Diagnosis	ICD-10-CM
C85.80	Other specified types of non-Hodgkin lymphoma, unspecified site	Diagnosis	ICD-10-CM
C85.81	Other specified types of non-Hodgkin lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.82	Other specified types of non-Hodgkin lymphoma, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C85.83	Other specified types of non-Hodgkin lymphoma, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.84	Other specified types of non-Hodgkin lymphoma, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.85	Other specified types of non-Hodgkin lymphoma, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.86	Other specified types of non-Hodgkin lymphoma, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.87	Other specified types of non-Hodgkin lymphoma, spleen	Diagnosis	ICD-10-CM
C85.88	Other specified types of non-Hodgkin lymphoma, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.89	Other specified types of non-Hodgkin lymphoma, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C85.9	Non-Hodgkin lymphoma, unspecified	Diagnosis	ICD-10-CM
C85.90	Non-Hodgkin lymphoma, unspecified, unspecified site	Diagnosis	ICD-10-CM
C85.91	Non-Hodgkin lymphoma, unspecified, lymph nodes of head, face, and neck	Diagnosis	ICD-10-CM
C85.92	Non-Hodgkin lymphoma, unspecified, intrathoracic lymph nodes	Diagnosis	ICD-10-CM
C85.93	Non-Hodgkin lymphoma, unspecified, intra-abdominal lymph nodes	Diagnosis	ICD-10-CM
C85.94	Non-Hodgkin lymphoma, unspecified, lymph nodes of axilla and upper limb	Diagnosis	ICD-10-CM
C85.95	Non-Hodgkin lymphoma, unspecified, lymph nodes of inguinal region and lower limb	Diagnosis	ICD-10-CM
C85.96	Non-Hodgkin lymphoma, unspecified, intrapelvic lymph nodes	Diagnosis	ICD-10-CM
C85.97	Non-Hodgkin lymphoma, unspecified, spleen	Diagnosis	ICD-10-CM
C85.98	Non-Hodgkin lymphoma, unspecified, lymph nodes of multiple sites	Diagnosis	ICD-10-CM
C85.99	Non-Hodgkin lymphoma, unspecified, extranodal and solid organ sites	Diagnosis	ICD-10-CM
C86	Other specified types of T/NK-cell lymphoma	Diagnosis	ICD-10-CM
C86.0	Extranodal NK/T-cell lymphoma, nasal type	Diagnosis	ICD-10-CM
C86.1	Hepatosplenic T-cell lymphoma	Diagnosis	ICD-10-CM
C86.2	Enteropathy-type (intestinal) T-cell lymphoma	Diagnosis	ICD-10-CM
C86.3	Subcutaneous panniculitis-like T-cell lymphoma	Diagnosis	ICD-10-CM
C86.4	Blastic NK-cell lymphoma	Diagnosis	ICD-10-CM
C86.5	Angioimmunoblastic T-cell lymphoma	Diagnosis	ICD-10-CM
C86.6	Primary cutaneous CD30-positive T-cell proliferations	Diagnosis	ICD-10-CM
C88	Malignant immunoproliferative diseases and certain other B-cell lymphomas	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C88.0	Waldenstrom macroglobulinemia	Diagnosis	ICD-10-CM
C88.2	Heavy chain disease	Diagnosis	ICD-10-CM
C88.3	Immunoproliferative small intestinal disease	Diagnosis	ICD-10-CM
C88.4	Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]	Diagnosis	ICD-10-CM
C88.8	Other malignant immunoproliferative diseases	Diagnosis	ICD-10-CM
C88.9	Malignant immunoproliferative disease, unspecified	Diagnosis	ICD-10-CM
C90	Multiple myeloma and malignant plasma cell neoplasms	Diagnosis	ICD-10-CM
C90.0	Multiple myeloma	Diagnosis	ICD-10-CM
C90.00	Multiple myeloma not having achieved remission	Diagnosis	ICD-10-CM
C90.01	Multiple myeloma in remission	Diagnosis	ICD-10-CM
C90.02	Multiple myeloma in relapse	Diagnosis	ICD-10-CM
C90.1	Plasma cell leukemia	Diagnosis	ICD-10-CM
C90.10	Plasma cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C90.11	Plasma cell leukemia in remission	Diagnosis	ICD-10-CM
C90.12	Plasma cell leukemia in relapse	Diagnosis	ICD-10-CM
C90.2	Extramedullary plasmacytoma	Diagnosis	ICD-10-CM
C90.20	Extramedullary plasmacytoma not having achieved remission	Diagnosis	ICD-10-CM
C90.21	Extramedullary plasmacytoma in remission	Diagnosis	ICD-10-CM
C90.22	Extramedullary plasmacytoma in relapse	Diagnosis	ICD-10-CM
C90.3	Solitary plasmacytoma	Diagnosis	ICD-10-CM
C90.30	Solitary plasmacytoma not having achieved remission	Diagnosis	ICD-10-CM
C90.31	Solitary plasmacytoma in remission	Diagnosis	ICD-10-CM
C90.32	Solitary plasmacytoma in relapse	Diagnosis	ICD-10-CM
C91	Lymphoid leukemia	Diagnosis	ICD-10-CM
C91.0	Acute lymphoblastic leukemia [ALL]	Diagnosis	ICD-10-CM
C91.00	Acute lymphoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.01	Acute lymphoblastic leukemia, in remission	Diagnosis	ICD-10-CM
C91.02	Acute lymphoblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C91.1	Chronic lymphocytic leukemia of B-cell type	Diagnosis	ICD-10-CM
C91.10	Chronic lymphocytic leukemia of B-cell type not having achieved remission	Diagnosis	ICD-10-CM
C91.11	Chronic lymphocytic leukemia of B-cell type in remission	Diagnosis	ICD-10-CM
C91.12	Chronic lymphocytic leukemia of B-cell type in relapse	Diagnosis	ICD-10-CM
C91.3	Prolymphocytic leukemia of B-cell type	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C91.30	Prolymphocytic leukemia of B-cell type not having achieved remission	Diagnosis	ICD-10-CM
C91.31	Prolymphocytic leukemia of B-cell type, in remission	Diagnosis	ICD-10-CM
C91.32	Prolymphocytic leukemia of B-cell type, in relapse	Diagnosis	ICD-10-CM
C91.4	Hairy cell leukemia	Diagnosis	ICD-10-CM
C91.40	Hairy cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.41	Hairy cell leukemia, in remission	Diagnosis	ICD-10-CM
C91.42	Hairy cell leukemia, in relapse	Diagnosis	ICD-10-CM
C91.5	Adult T-cell lymphoma/leukemia (HTLV-1-associated)	Diagnosis	ICD-10-CM
C91.50	Adult T-cell lymphoma/leukemia (HTLV-1-associated) not having achieved remission	Diagnosis	ICD-10-CM
C91.51	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in remission	Diagnosis	ICD-10-CM
C91.52	Adult T-cell lymphoma/leukemia (HTLV-1-associated), in relapse	Diagnosis	ICD-10-CM
C91.6	Prolymphocytic leukemia of T-cell type	Diagnosis	ICD-10-CM
C91.60	Prolymphocytic leukemia of T-cell type not having achieved remission	Diagnosis	ICD-10-CM
C91.61	Prolymphocytic leukemia of T-cell type, in remission	Diagnosis	ICD-10-CM
C91.62	Prolymphocytic leukemia of T-cell type, in relapse	Diagnosis	ICD-10-CM
C91.9	Lymphoid leukemia, unspecified	Diagnosis	ICD-10-CM
C91.90	Lymphoid leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C91.91	Lymphoid leukemia, unspecified, in remission	Diagnosis	ICD-10-CM
C91.92	Lymphoid leukemia, unspecified, in relapse	Diagnosis	ICD-10-CM
C91.A	Mature B-cell leukemia Burkitt-type	Diagnosis	ICD-10-CM
C91.A0	Mature B-cell leukemia Burkitt-type not having achieved remission	Diagnosis	ICD-10-CM
C91.A1	Mature B-cell leukemia Burkitt-type, in remission	Diagnosis	ICD-10-CM
C91.A2	Mature B-cell leukemia Burkitt-type, in relapse	Diagnosis	ICD-10-CM
C91.Z	Other lymphoid leukemia	Diagnosis	ICD-10-CM
C91.Z0	Other lymphoid leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.Z1	Other lymphoid leukemia, in remission	Diagnosis	ICD-10-CM
C91.Z2	Other lymphoid leukemia, in relapse	Diagnosis	ICD-10-CM
C92	Myeloid leukemia	Diagnosis	ICD-10-CM
C92.0	Acute myeloblastic leukemia	Diagnosis	ICD-10-CM
C92.00	Acute myeloblastic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C92.01	Acute myeloblastic leukemia, in remission	Diagnosis	ICD-10-CM
C92.02	Acute myeloblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C92.1	Chronic myeloid leukemia, BCR/ABL-positive	Diagnosis	ICD-10-CM
C92.10	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C92.11	Chronic myeloid leukemia, BCR/ABL-positive, in remission	Diagnosis	ICD-10-CM
C92.12	Chronic myeloid leukemia, BCR/ABL-positive, in relapse	Diagnosis	ICD-10-CM
C92.2	Atypical chronic myeloid leukemia, BCR/ABL-negative	Diagnosis	ICD-10-CM
C92.20	Atypical chronic myeloid leukemia, BCR/ABL-negative, not having achieved remission	Diagnosis	ICD-10-CM
C92.21	Atypical chronic myeloid leukemia, BCR/ABL-negative, in remission	Diagnosis	ICD-10-CM
C92.22	Atypical chronic myeloid leukemia, BCR/ABL-negative, in relapse	Diagnosis	ICD-10-CM
C92.3	Myeloid sarcoma	Diagnosis	ICD-10-CM
C92.30	Myeloid sarcoma, not having achieved remission	Diagnosis	ICD-10-CM
C92.31	Myeloid sarcoma, in remission	Diagnosis	ICD-10-CM
C92.32	Myeloid sarcoma, in relapse	Diagnosis	ICD-10-CM
C92.4	Acute promyelocytic leukemia	Diagnosis	ICD-10-CM
C92.40	Acute promyelocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C92.41	Acute promyelocytic leukemia, in remission	Diagnosis	ICD-10-CM
C92.42	Acute promyelocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C92.5	Acute myelomonocytic leukemia	Diagnosis	ICD-10-CM
C92.50	Acute myelomonocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C92.51	Acute myelomonocytic leukemia, in remission	Diagnosis	ICD-10-CM
C92.52	Acute myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C92.6	Acute myeloid leukemia with 11q23-abnormality	Diagnosis	ICD-10-CM
C92.60	Acute myeloid leukemia with 11q23-abnormality not having achieved remission	Diagnosis	ICD-10-CM
C92.61	Acute myeloid leukemia with 11q23-abnormality in remission	Diagnosis	ICD-10-CM
C92.62	Acute myeloid leukemia with 11q23-abnormality in relapse	Diagnosis	ICD-10-CM
C92.9	Myeloid leukemia, unspecified	Diagnosis	ICD-10-CM
C92.90	Myeloid leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C92.91	Myeloid leukemia, unspecified in remission	Diagnosis	ICD-10-CM
C92.92	Myeloid leukemia, unspecified in relapse	Diagnosis	ICD-10-CM
C92.A	Acute myeloid leukemia with multilineage dysplasia	Diagnosis	ICD-10-CM
C92.A0	Acute myeloid leukemia with multilineage dysplasia, not having achieved remission	Diagnosis	ICD-10-CM
C92.A1	Acute myeloid leukemia with multilineage dysplasia, in remission	Diagnosis	ICD-10-CM
C92.A2	Acute myeloid leukemia with multilineage dysplasia, in relapse	Diagnosis	ICD-10-CM
C92.Z	Other myeloid leukemia	Diagnosis	ICD-10-CM
C92.Z0	Other myeloid leukemia not having achieved remission	Diagnosis	ICD-10-CM
C92.Z1	Other myeloid leukemia, in remission	Diagnosis	ICD-10-CM
C92.Z2	Other myeloid leukemia, in relapse	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C93	Monocytic leukemia	Diagnosis	ICD-10-CM
C93.0	Acute monoblastic/monocytic leukemia	Diagnosis	ICD-10-CM
C93.00	Acute monoblastic/monocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C93.01	Acute monoblastic/monocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.02	Acute monoblastic/monocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C93.1	Chronic myelomonocytic leukemia	Diagnosis	ICD-10-CM
C93.10	Chronic myelomonocytic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C93.11	Chronic myelomonocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.12	Chronic myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C93.3	Juvenile myelomonocytic leukemia	Diagnosis	ICD-10-CM
C93.30	Juvenile myelomonocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C93.31	Juvenile myelomonocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.32	Juvenile myelomonocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C93.9	Monocytic leukemia, unspecified	Diagnosis	ICD-10-CM
C93.90	Monocytic leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C93.91	Monocytic leukemia, unspecified in remission	Diagnosis	ICD-10-CM
C93.92	Monocytic leukemia, unspecified in relapse	Diagnosis	ICD-10-CM
C93.Z	Other monocytic leukemia	Diagnosis	ICD-10-CM
C93.Z0	Other monocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C93.Z1	Other monocytic leukemia, in remission	Diagnosis	ICD-10-CM
C93.Z2	Other monocytic leukemia, in relapse	Diagnosis	ICD-10-CM
C94	Other leukemias of specified cell type	Diagnosis	ICD-10-CM
C94.0	Acute erythroid leukemia	Diagnosis	ICD-10-CM
C94.00	Acute erythroid leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C94.01	Acute erythroid leukemia, in remission	Diagnosis	ICD-10-CM
C94.02	Acute erythroid leukemia, in relapse	Diagnosis	ICD-10-CM
C94.2	Acute megakaryoblastic leukemia	Diagnosis	ICD-10-CM
C94.20	Acute megakaryoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C94.21	Acute megakaryoblastic leukemia, in remission	Diagnosis	ICD-10-CM
C94.22	Acute megakaryoblastic leukemia, in relapse	Diagnosis	ICD-10-CM
C94.3	Mast cell leukemia	Diagnosis	ICD-10-CM
C94.30	Mast cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C94.31	Mast cell leukemia, in remission	Diagnosis	ICD-10-CM
C94.32	Mast cell leukemia, in relapse	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C94.4	Acute panmyelosis with myelofibrosis	Diagnosis	ICD-10-CM
C94.40	Acute panmyelosis with myelofibrosis not having achieved remission	Diagnosis	ICD-10-CM
C94.41	Acute panmyelosis with myelofibrosis, in remission	Diagnosis	ICD-10-CM
C94.42	Acute panmyelosis with myelofibrosis, in relapse	Diagnosis	ICD-10-CM
C94.6	Myelodysplastic disease, not classified	Diagnosis	ICD-10-CM
C94.8	Other specified leukemias	Diagnosis	ICD-10-CM
C94.80	Other specified leukemias not having achieved remission	Diagnosis	ICD-10-CM
C94.81	Other specified leukemias, in remission	Diagnosis	ICD-10-CM
C94.82	Other specified leukemias, in relapse	Diagnosis	ICD-10-CM
C95	Leukemia of unspecified cell type	Diagnosis	ICD-10-CM
C95.0	Acute leukemia of unspecified cell type	Diagnosis	ICD-10-CM
C95.00	Acute leukemia of unspecified cell type not having achieved remission	Diagnosis	ICD-10-CM
C95.01	Acute leukemia of unspecified cell type, in remission	Diagnosis	ICD-10-CM
C95.02	Acute leukemia of unspecified cell type, in relapse	Diagnosis	ICD-10-CM
C95.1	Chronic leukemia of unspecified cell type	Diagnosis	ICD-10-CM
C95.10	Chronic leukemia of unspecified cell type not having achieved remission	Diagnosis	ICD-10-CM
C95.11	Chronic leukemia of unspecified cell type, in remission	Diagnosis	ICD-10-CM
C95.12	Chronic leukemia of unspecified cell type, in relapse	Diagnosis	ICD-10-CM
C95.9	Leukemia, unspecified	Diagnosis	ICD-10-CM
C95.90	Leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C95.91	Leukemia, unspecified, in remission	Diagnosis	ICD-10-CM
C95.92	Leukemia, unspecified, in relapse	Diagnosis	ICD-10-CM
C96	Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
C96.0	Multifocal and multisystemic (disseminated) Langerhans-cell histiocytosis	Diagnosis	ICD-10-CM
C96.2	Malignant mast cell neoplasm	Diagnosis	ICD-10-CM
C96.20	Malignant mast cell neoplasm, unspecified	Diagnosis	ICD-10-CM
C96.21	Aggressive systemic mastocytosis	Diagnosis	ICD-10-CM
C96.22	Mast cell sarcoma	Diagnosis	ICD-10-CM
C96.29	Other malignant mast cell neoplasm	Diagnosis	ICD-10-CM
C96.4	Sarcoma of dendritic cells (accessory cells)	Diagnosis	ICD-10-CM
C96.5	Multifocal and unisystemic Langerhans-cell histiocytosis	Diagnosis	ICD-10-CM
C96.6	Unifocal Langerhans-cell histiocytosis	Diagnosis	ICD-10-CM
C96.9	Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C96.A	Histiocytic sarcoma	Diagnosis	ICD-10-CM
C96.Z	Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
D25.0	Submucous leiomyoma of uterus	Diagnosis	ICD-10-CM
D25.1	Intramural leiomyoma of uterus	Diagnosis	ICD-10-CM
D25.2	Subserosal leiomyoma of uterus	Diagnosis	ICD-10-CM
D25.9	Leiomyoma of uterus, unspecified	Diagnosis	ICD-10-CM
D37.01	Neoplasm of uncertain behavior of lip	Diagnosis	ICD-10-CM
D37.02	Neoplasm of uncertain behavior of tongue	Diagnosis	ICD-10-CM
D37.030	Neoplasm of uncertain behavior of the parotid salivary glands	Diagnosis	ICD-10-CM
D37.031	Neoplasm of uncertain behavior of the sublingual salivary glands	Diagnosis	ICD-10-CM
D37.032	Neoplasm of uncertain behavior of the submandibular salivary glands	Diagnosis	ICD-10-CM
D37.039	Neoplasm of uncertain behavior of the major salivary glands, unspecified	Diagnosis	ICD-10-CM
D37.04	Neoplasm of uncertain behavior of the minor salivary glands	Diagnosis	ICD-10-CM
D37.05	Neoplasm of uncertain behavior of pharynx	Diagnosis	ICD-10-CM
D37.09	Neoplasm of uncertain behavior of other specified sites of the oral cavity	Diagnosis	ICD-10-CM
D37.1	Neoplasm of uncertain behavior of stomach	Diagnosis	ICD-10-CM
D37.2	Neoplasm of uncertain behavior of small intestine	Diagnosis	ICD-10-CM
D37.3	Neoplasm of uncertain behavior of appendix	Diagnosis	ICD-10-CM
D37.4	Neoplasm of uncertain behavior of colon	Diagnosis	ICD-10-CM
D37.5	Neoplasm of uncertain behavior of rectum	Diagnosis	ICD-10-CM
D37.6	Neoplasm of uncertain behavior of liver, gallbladder and bile ducts	Diagnosis	ICD-10-CM
D37.8	Neoplasm of uncertain behavior of other specified digestive organs	Diagnosis	ICD-10-CM
D37.9	Neoplasm of uncertain behavior of digestive organ, unspecified	Diagnosis	ICD-10-CM
D38.0	Neoplasm of uncertain behavior of larynx	Diagnosis	ICD-10-CM
D38.1	Neoplasm of uncertain behavior of trachea, bronchus and lung	Diagnosis	ICD-10-CM
D38.2	Neoplasm of uncertain behavior of pleura	Diagnosis	ICD-10-CM
D38.3	Neoplasm of uncertain behavior of mediastinum	Diagnosis	ICD-10-CM
D38.4	Neoplasm of uncertain behavior of thymus	Diagnosis	ICD-10-CM
D38.5	Neoplasm of uncertain behavior of other respiratory organs	Diagnosis	ICD-10-CM
D38.6	Neoplasm of uncertain behavior of respiratory organ, unspecified	Diagnosis	ICD-10-CM
D39.0	Neoplasm of uncertain behavior of uterus	Diagnosis	ICD-10-CM
D39.10	Neoplasm of uncertain behavior of unspecified ovary	Diagnosis	ICD-10-CM
D39.11	Neoplasm of uncertain behavior of right ovary	Diagnosis	ICD-10-CM
D39.12	Neoplasm of uncertain behavior of left ovary	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D39.2	Neoplasm of uncertain behavior of placenta	Diagnosis	ICD-10-CM
D39.8	Neoplasm of uncertain behavior of other specified female genital organs	Diagnosis	ICD-10-CM
D39.9	Neoplasm of uncertain behavior of female genital organ, unspecified	Diagnosis	ICD-10-CM
D40.0	Neoplasm of uncertain behavior of prostate	Diagnosis	ICD-10-CM
D40.10	Neoplasm of uncertain behavior of unspecified testis	Diagnosis	ICD-10-CM
D40.11	Neoplasm of uncertain behavior of right testis	Diagnosis	ICD-10-CM
D40.12	Neoplasm of uncertain behavior of left testis	Diagnosis	ICD-10-CM
D40.8	Neoplasm of uncertain behavior of other specified male genital organs	Diagnosis	ICD-10-CM
D40.9	Neoplasm of uncertain behavior of male genital organ, unspecified	Diagnosis	ICD-10-CM
D41.00	Neoplasm of uncertain behavior of unspecified kidney	Diagnosis	ICD-10-CM
D41.01	Neoplasm of uncertain behavior of right kidney	Diagnosis	ICD-10-CM
D41.02	Neoplasm of uncertain behavior of left kidney	Diagnosis	ICD-10-CM
D41.10	Neoplasm of uncertain behavior of unspecified renal pelvis	Diagnosis	ICD-10-CM
D41.11	Neoplasm of uncertain behavior of right renal pelvis	Diagnosis	ICD-10-CM
D41.12	Neoplasm of uncertain behavior of left renal pelvis	Diagnosis	ICD-10-CM
D41.20	Neoplasm of uncertain behavior of unspecified ureter	Diagnosis	ICD-10-CM
D41.21	Neoplasm of uncertain behavior of right ureter	Diagnosis	ICD-10-CM
D41.22	Neoplasm of uncertain behavior of left ureter	Diagnosis	ICD-10-CM
D41.3	Neoplasm of uncertain behavior of urethra	Diagnosis	ICD-10-CM
D41.4	Neoplasm of uncertain behavior of bladder	Diagnosis	ICD-10-CM
D41.8	Neoplasm of uncertain behavior of other specified urinary organs	Diagnosis	ICD-10-CM
D41.9	Neoplasm of uncertain behavior of unspecified urinary organ	Diagnosis	ICD-10-CM
D42.0	Neoplasm of uncertain behavior of cerebral meninges	Diagnosis	ICD-10-CM
D42.1	Neoplasm of uncertain behavior of spinal meninges	Diagnosis	ICD-10-CM
D42.9	Neoplasm of uncertain behavior of meninges, unspecified	Diagnosis	ICD-10-CM
D43.0	Neoplasm of uncertain behavior of brain, supratentorial	Diagnosis	ICD-10-CM
D43.1	Neoplasm of uncertain behavior of brain, infratentorial	Diagnosis	ICD-10-CM
D43.2	Neoplasm of uncertain behavior of brain, unspecified	Diagnosis	ICD-10-CM
D43.3	Neoplasm of uncertain behavior of cranial nerves	Diagnosis	ICD-10-CM
D43.4	Neoplasm of uncertain behavior of spinal cord	Diagnosis	ICD-10-CM
D43.8	Neoplasm of uncertain behavior of other specified parts of central nervous system	Diagnosis	ICD-10-CM
D43.9	Neoplasm of uncertain behavior of central nervous system, unspecified	Diagnosis	ICD-10-CM
D44.0	Neoplasm of uncertain behavior of thyroid gland	Diagnosis	ICD-10-CM
D44.10	Neoplasm of uncertain behavior of unspecified adrenal gland	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D44.11	Neoplasm of uncertain behavior of right adrenal gland	Diagnosis	ICD-10-CM
D44.12	Neoplasm of uncertain behavior of left adrenal gland	Diagnosis	ICD-10-CM
D44.2	Neoplasm of uncertain behavior of parathyroid gland	Diagnosis	ICD-10-CM
D44.3	Neoplasm of uncertain behavior of pituitary gland	Diagnosis	ICD-10-CM
D44.4	Neoplasm of uncertain behavior of craniopharyngeal duct	Diagnosis	ICD-10-CM
D44.5	Neoplasm of uncertain behavior of pineal gland	Diagnosis	ICD-10-CM
D44.6	Neoplasm of uncertain behavior of carotid body	Diagnosis	ICD-10-CM
D44.7	Neoplasm of uncertain behavior of aortic body and other paraganglia	Diagnosis	ICD-10-CM
D44.9	Neoplasm of uncertain behavior of unspecified endocrine gland	Diagnosis	ICD-10-CM
D45	Polycythemia vera	Diagnosis	ICD-10-CM
D46.0	Refractory anemia without ring sideroblasts, so stated	Diagnosis	ICD-10-CM
D46.1	Refractory anemia with ring sideroblasts	Diagnosis	ICD-10-CM
D46.20	Refractory anemia with excess of blasts, unspecified	Diagnosis	ICD-10-CM
D46.21	Refractory anemia with excess of blasts 1	Diagnosis	ICD-10-CM
D46.22	Refractory anemia with excess of blasts 2	Diagnosis	ICD-10-CM
D46.4	Refractory anemia, unspecified	Diagnosis	ICD-10-CM
D46.9	Myelodysplastic syndrome, unspecified	Diagnosis	ICD-10-CM
D46.A	Refractory cytopenia with multilineage dysplasia	Diagnosis	ICD-10-CM
D46.B	Refractory cytopenia with multilineage dysplasia and ring sideroblasts	Diagnosis	ICD-10-CM
D46.C	Myelodysplastic syndrome with isolated del(5q) chromosomal abnormality	Diagnosis	ICD-10-CM
D46.Z	Other myelodysplastic syndromes	Diagnosis	ICD-10-CM
D47.01	Cutaneous mastocytosis	Diagnosis	ICD-10-CM
D47.02	Systemic mastocytosis	Diagnosis	ICD-10-CM
D47.09	Other mast cell neoplasms of uncertain behavior	Diagnosis	ICD-10-CM
D47.1	Chronic myeloproliferative disease	Diagnosis	ICD-10-CM
D47.3	Essential (hemorrhagic) thrombocythemia	Diagnosis	ICD-10-CM
D47.9	Neoplasm of uncertain behavior of lymphoid, hematopoietic and related tissue, unspecified	Diagnosis	ICD-10-CM
D47.Z1	Post-transplant lymphoproliferative disorder (PTLD)	Diagnosis	ICD-10-CM
D47.Z2	Castleman disease	Diagnosis	ICD-10-CM
D47.Z9	Other specified neoplasms of uncertain behavior of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
D48.0	Neoplasm of uncertain behavior of bone and articular cartilage	Diagnosis	ICD-10-CM
D48.1	Neoplasm of uncertain behavior of connective and other soft tissue	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D48.2	Neoplasm of uncertain behavior of peripheral nerves and autonomic nervous system	Diagnosis	ICD-10-CM
D48.3	Neoplasm of uncertain behavior of retroperitoneum	Diagnosis	ICD-10-CM
D48.4	Neoplasm of uncertain behavior of peritoneum	Diagnosis	ICD-10-CM
D48.60	Neoplasm of uncertain behavior of unspecified breast	Diagnosis	ICD-10-CM
D48.61	Neoplasm of uncertain behavior of right breast	Diagnosis	ICD-10-CM
D48.62	Neoplasm of uncertain behavior of left breast	Diagnosis	ICD-10-CM
D48.7	Neoplasm of uncertain behavior of other specified sites	Diagnosis	ICD-10-CM
D48.9	Neoplasm of uncertain behavior, unspecified	Diagnosis	ICD-10-CM
D49.0	Neoplasm of unspecified behavior of digestive system	Diagnosis	ICD-10-CM
D49.1	Neoplasm of unspecified behavior of respiratory system	Diagnosis	ICD-10-CM
D49.3	Neoplasm of unspecified behavior of breast	Diagnosis	ICD-10-CM
D49.4	Neoplasm of unspecified behavior of bladder	Diagnosis	ICD-10-CM
D49.511	Neoplasm of unspecified behavior of right kidney	Diagnosis	ICD-10-CM
D49.512	Neoplasm of unspecified behavior of left kidney	Diagnosis	ICD-10-CM
D49.519	Neoplasm of unspecified behavior of unspecified kidney	Diagnosis	ICD-10-CM
D49.59	Neoplasm of unspecified behavior of other genitourinary organ	Diagnosis	ICD-10-CM
D49.6	Neoplasm of unspecified behavior of brain	Diagnosis	ICD-10-CM
D49.7	Neoplasm of unspecified behavior of endocrine glands and other parts of nervous system	Diagnosis	ICD-10-CM
D49.81	Neoplasm of unspecified behavior of retina and choroid	Diagnosis	ICD-10-CM
D49.89	Neoplasm of unspecified behavior of other specified sites	Diagnosis	ICD-10-CM
D49.9	Neoplasm of unspecified behavior of unspecified site	Diagnosis	ICD-10-CM
O9A.1	Malignant neoplasm complicating pregnancy, childbirth and the puerperium	Diagnosis	ICD-10-CM
O9A.11	Malignant neoplasm complicating pregnancy	Diagnosis	ICD-10-CM
O9A.111	Malignant neoplasm complicating pregnancy, first trimester	Diagnosis	ICD-10-CM
O9A.112	Malignant neoplasm complicating pregnancy, second trimester	Diagnosis	ICD-10-CM
O9A.113	Malignant neoplasm complicating pregnancy, third trimester	Diagnosis	ICD-10-CM
O9A.119	Malignant neoplasm complicating pregnancy, unspecified trimester	Diagnosis	ICD-10-CM
O9A.12	Malignant neoplasm complicating childbirth	Diagnosis	ICD-10-CM
O9A.13	Malignant neoplasm complicating the puerperium	Diagnosis	ICD-10-CM
Q85.00	Neurofibromatosis, unspecified	Diagnosis	ICD-10-CM
Q85.01	Neurofibromatosis, type 1	Diagnosis	ICD-10-CM
Q85.02	Neurofibromatosis, type 2	Diagnosis	ICD-10-CM
Q85.03	Schwannomatosis	Diagnosis	ICD-10-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
Q85.09	Other neurofibromatosis	Diagnosis	ICD-10-CM
R97.21	Rising PSA following treatment for malignant neoplasm of prostate	Diagnosis	ICD-10-CM
V10	Personal history of malignant neoplasm	Diagnosis	ICD-9-CM
V10.0	Personal history of malignant neoplasm of gastrointestinal tract	Diagnosis	ICD-9-CM
V10.00	Personal history of malignant neoplasm of unspecified site in gastrointestinal tract	Diagnosis	ICD-9-CM
V10.01	Personal history of malignant neoplasm of tongue	Diagnosis	ICD-9-CM
V10.02	Personal history of malignant neoplasm of other and unspecified parts of oral cavity and pharynx	Diagnosis	ICD-9-CM
V10.03	Personal history of malignant neoplasm of esophagus	Diagnosis	ICD-9-CM
V10.04	Personal history of malignant neoplasm of stomach	Diagnosis	ICD-9-CM
V10.05	Personal history of malignant neoplasm of large intestine	Diagnosis	ICD-9-CM
V10.06	Personal history of malignant neoplasm of rectum, rectosigmoid junction, and anus	Diagnosis	ICD-9-CM
V10.07	Personal history of malignant neoplasm of liver	Diagnosis	ICD-9-CM
V10.09	Personal history of malignant neoplasm of other site in gastrointestinal tract	Diagnosis	ICD-9-CM
V10.1	Personal history of malignant neoplasm of trachea, bronchus, and lung	Diagnosis	ICD-9-CM
V10.11	Personal history of malignant neoplasm of bronchus and lung	Diagnosis	ICD-9-CM
V10.12	Personal history of malignant neoplasm of trachea	Diagnosis	ICD-9-CM
V10.2	Personal history of malignant neoplasm of other respiratory and intrathoracic organs	Diagnosis	ICD-9-CM
V10.20	Personal history of malignant neoplasm of unspecified respiratory organ	Diagnosis	ICD-9-CM
V10.21	Personal history of malignant neoplasm of larynx	Diagnosis	ICD-9-CM
V10.22	Personal history of malignant neoplasm of nasal cavities, middle ear, and accessory sinuses	Diagnosis	ICD-9-CM
V10.29	Personal history of malignant neoplasm of other respiratory and intrathoracic organs	Diagnosis	ICD-9-CM
V10.3	Personal history of malignant neoplasm of breast	Diagnosis	ICD-9-CM
V10.4	Personal history of malignant neoplasm of genital organs	Diagnosis	ICD-9-CM
V10.40	Personal history of malignant neoplasm of unspecified female genital organ	Diagnosis	ICD-9-CM
V10.41	Personal history of malignant neoplasm of cervix uteri	Diagnosis	ICD-9-CM
V10.42	Personal history of malignant neoplasm of other parts of uterus	Diagnosis	ICD-9-CM
V10.43	Personal history of malignant neoplasm of ovary	Diagnosis	ICD-9-CM
V10.44	Personal history of malignant neoplasm of other female genital organs	Diagnosis	ICD-9-CM
V10.45	Personal history of malignant neoplasm of unspecified male genital organ	Diagnosis	ICD-9-CM
V10.46	Personal history of malignant neoplasm of prostate	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
V10.47	Personal history of malignant neoplasm of testis	Diagnosis	ICD-9-CM
V10.48	Personal history of malignant neoplasm of epididymis	Diagnosis	ICD-9-CM
V10.49	Personal history of malignant neoplasm of other male genital organs	Diagnosis	ICD-9-CM
V10.5	Personal history of malignant neoplasm of urinary organs	Diagnosis	ICD-9-CM
V10.50	Personal history of malignant neoplasm of unspecified urinary organ	Diagnosis	ICD-9-CM
V10.51	Personal history of malignant neoplasm of bladder	Diagnosis	ICD-9-CM
V10.52	Personal history of malignant neoplasm of kidney	Diagnosis	ICD-9-CM
V10.53	Personal history of malignant neoplasm, renal pelvis	Diagnosis	ICD-9-CM
V10.59	Personal history of malignant neoplasm of other urinary organ	Diagnosis	ICD-9-CM
V10.6	Personal history of leukemia	Diagnosis	ICD-9-CM
V10.60	Personal history of unspecified leukemia	Diagnosis	ICD-9-CM
V10.61	Personal history of lymphoid leukemia	Diagnosis	ICD-9-CM
V10.62	Personal history of myeloid leukemia	Diagnosis	ICD-9-CM
V10.63	Personal history of monocytic leukemia	Diagnosis	ICD-9-CM
V10.69	Personal history of other leukemia	Diagnosis	ICD-9-CM
V10.7	Personal history of other lymphatic and hematopoietic neoplasms	Diagnosis	ICD-9-CM
V10.71	Personal history of lymphosarcoma and reticulosarcoma	Diagnosis	ICD-9-CM
V10.72	Personal history of Hodgkin's disease	Diagnosis	ICD-9-CM
V10.79	Personal history of other lymphatic and hematopoietic neoplasm	Diagnosis	ICD-9-CM
V10.8	Personal history of malignant neoplasm of other sites	Diagnosis	ICD-9-CM
V10.81	Personal history of malignant neoplasm of bone	Diagnosis	ICD-9-CM
V10.84	Personal history of malignant neoplasm of eye	Diagnosis	ICD-9-CM
V10.85	Personal history of malignant neoplasm of brain	Diagnosis	ICD-9-CM
V10.86	Personal history of malignant neoplasm of other parts of nervous system	Diagnosis	ICD-9-CM
V10.87	Personal history of malignant neoplasm of thyroid	Diagnosis	ICD-9-CM
V10.88	Personal history of malignant neoplasm of other endocrine glands and related structures	Diagnosis	ICD-9-CM
V10.89	Personal history of malignant neoplasm of other site	Diagnosis	ICD-9-CM
V10.9	Other and unspecified personal history of malignant neoplasm	Diagnosis	ICD-9-CM
V10.90	Personal history of unspecified malignant neoplasm	Diagnosis	ICD-9-CM
V10.91	Personal history of malignant neuroendocrine tumor	Diagnosis	ICD-9-CM
Z85	Personal history of malignant neoplasm	Diagnosis	ICD-10-CM
Z85.0	Personal history of malignant neoplasm of digestive organs	Diagnosis	ICD-10-CM
Z85.00	Personal history of malignant neoplasm of unspecified digestive organ	Diagnosis	ICD-10-CM

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Code	Description	Code Category	Code Type
Z85.01	Personal history of malignant neoplasm of esophagus	Diagnosis	ICD-10-CM
Z85.02	Personal history of malignant neoplasm of stomach	Diagnosis	ICD-10-CM
Z85.020	Personal history of malignant carcinoid tumor of stomach	Diagnosis	ICD-10-CM
Z85.028	Personal history of other malignant neoplasm of stomach	Diagnosis	ICD-10-CM
Z85.03	Personal history of malignant neoplasm of large intestine	Diagnosis	ICD-10-CM
Z85.030	Personal history of malignant carcinoid tumor of large intestine	Diagnosis	ICD-10-CM
Z85.038	Personal history of other malignant neoplasm of large intestine	Diagnosis	ICD-10-CM
Z85.04	Personal history of malignant neoplasm of rectum, rectosigmoid junction, and anus	Diagnosis	ICD-10-CM
Z85.040	Personal history of malignant carcinoid tumor of rectum	Diagnosis	ICD-10-CM
Z85.048	Personal history of other malignant neoplasm of rectum, rectosigmoid junction, and anus	Diagnosis	ICD-10-CM
Z85.05	Personal history of malignant neoplasm of liver	Diagnosis	ICD-10-CM
Z85.06	Personal history of malignant neoplasm of small intestine	Diagnosis	ICD-10-CM
Z85.060	Personal history of malignant carcinoid tumor of small intestine	Diagnosis	ICD-10-CM
Z85.068	Personal history of other malignant neoplasm of small intestine	Diagnosis	ICD-10-CM
Z85.07	Personal history of malignant neoplasm of pancreas	Diagnosis	ICD-10-CM
Z85.09	Personal history of malignant neoplasm of other digestive organs	Diagnosis	ICD-10-CM
Z85.1	Personal history of malignant neoplasm of trachea, bronchus and lung	Diagnosis	ICD-10-CM
Z85.11	Personal history of malignant neoplasm of bronchus and lung	Diagnosis	ICD-10-CM
Z85.110	Personal history of malignant carcinoid tumor of bronchus and lung	Diagnosis	ICD-10-CM
Z85.118	Personal history of other malignant neoplasm of bronchus and lung	Diagnosis	ICD-10-CM
Z85.12	Personal history of malignant neoplasm of trachea	Diagnosis	ICD-10-CM
Z85.2	Personal history of malignant neoplasm of other respiratory and intrathoracic organs	Diagnosis	ICD-10-CM
Z85.20	Personal history of malignant neoplasm of unspecified respiratory organ	Diagnosis	ICD-10-CM
Z85.21	Personal history of malignant neoplasm of larynx	Diagnosis	ICD-10-CM
Z85.22	Personal history of malignant neoplasm of nasal cavities, middle ear, and accessory sinuses	Diagnosis	ICD-10-CM
Z85.23	Personal history of malignant neoplasm of thymus	Diagnosis	ICD-10-CM
Z85.230	Personal history of malignant carcinoid tumor of thymus	Diagnosis	ICD-10-CM
Z85.238	Personal history of other malignant neoplasm of thymus	Diagnosis	ICD-10-CM
Z85.29	Personal history of malignant neoplasm of other respiratory and intrathoracic organs	Diagnosis	ICD-10-CM
Z85.3	Personal history of malignant neoplasm of breast	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
Z85.4	Personal history of malignant neoplasm of genital organs	Diagnosis	ICD-10-CM
Z85.40	Personal history of malignant neoplasm of unspecified female genital organ	Diagnosis	ICD-10-CM
Z85.41	Personal history of malignant neoplasm of cervix uteri	Diagnosis	ICD-10-CM
Z85.42	Personal history of malignant neoplasm of other parts of uterus	Diagnosis	ICD-10-CM
Z85.43	Personal history of malignant neoplasm of ovary	Diagnosis	ICD-10-CM
Z85.44	Personal history of malignant neoplasm of other female genital organs	Diagnosis	ICD-10-CM
Z85.45	Personal history of malignant neoplasm of unspecified male genital organ	Diagnosis	ICD-10-CM
Z85.46	Personal history of malignant neoplasm of prostate	Diagnosis	ICD-10-CM
Z85.47	Personal history of malignant neoplasm of testis	Diagnosis	ICD-10-CM
Z85.48	Personal history of malignant neoplasm of epididymis	Diagnosis	ICD-10-CM
Z85.49	Personal history of malignant neoplasm of other male genital organs	Diagnosis	ICD-10-CM
Z85.5	Personal history of malignant neoplasm of urinary tract	Diagnosis	ICD-10-CM
Z85.50	Personal history of malignant neoplasm of unspecified urinary tract organ	Diagnosis	ICD-10-CM
Z85.51	Personal history of malignant neoplasm of bladder	Diagnosis	ICD-10-CM
Z85.52	Personal history of malignant neoplasm of kidney	Diagnosis	ICD-10-CM
Z85.520	Personal history of malignant carcinoid tumor of kidney	Diagnosis	ICD-10-CM
Z85.528	Personal history of other malignant neoplasm of kidney	Diagnosis	ICD-10-CM
Z85.53	Personal history of malignant neoplasm of renal pelvis	Diagnosis	ICD-10-CM
Z85.54	Personal history of malignant neoplasm of ureter	Diagnosis	ICD-10-CM
Z85.59	Personal history of malignant neoplasm of other urinary tract organ	Diagnosis	ICD-10-CM
Z85.6	Personal history of leukemia	Diagnosis	ICD-10-CM
Z85.7	Personal history of other malignant neoplasms of lymphoid, hematopoietic and related tissues	Diagnosis	ICD-10-CM
Z85.71	Personal history of Hodgkin lymphoma	Diagnosis	ICD-10-CM
Z85.72	Personal history of non-Hodgkin lymphomas	Diagnosis	ICD-10-CM
Z85.79	Personal history of other malignant neoplasms of lymphoid, hematopoietic and related tissues	Diagnosis	ICD-10-CM
Z85.8	Personal history of malignant neoplasms of other organs and systems	Diagnosis	ICD-10-CM
Z85.81	Personal history of malignant neoplasm of lip, oral cavity, and pharynx	Diagnosis	ICD-10-CM
Z85.810	Personal history of malignant neoplasm of tongue	Diagnosis	ICD-10-CM
Z85.818	Personal history of malignant neoplasm of other sites of lip, oral cavity, and pharynx	Diagnosis	ICD-10-CM
Z85.819	Personal history of malignant neoplasm of unspecified site of lip, oral cavity, and pharynx	Diagnosis	ICD-10-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
Z85.821	Personal history of Merkel cell carcinoma	Diagnosis	ICD-10-CM
Z85.83	Personal history of malignant neoplasm of bone and soft tissue	Diagnosis	ICD-10-CM
Z85.830	Personal history of malignant neoplasm of bone	Diagnosis	ICD-10-CM
Z85.831	Personal history of malignant neoplasm of soft tissue	Diagnosis	ICD-10-CM
Z85.84	Personal history of malignant neoplasm of eye and nervous tissue	Diagnosis	ICD-10-CM
Z85.840	Personal history of malignant neoplasm of eye	Diagnosis	ICD-10-CM
Z85.841	Personal history of malignant neoplasm of brain	Diagnosis	ICD-10-CM
Z85.848	Personal history of malignant neoplasm of other parts of nervous tissue	Diagnosis	ICD-10-CM
Z85.85	Personal history of malignant neoplasm of endocrine glands	Diagnosis	ICD-10-CM
Z85.850	Personal history of malignant neoplasm of thyroid	Diagnosis	ICD-10-CM
Z85.858	Personal history of malignant neoplasm of other endocrine glands	Diagnosis	ICD-10-CM
Z85.89	Personal history of malignant neoplasm of other organs and systems	Diagnosis	ICD-10-CM
Z85.9	Personal history of malignant neoplasm, unspecified	Diagnosis	ICD-10-CM
<b>Radiation</b>			
0082T	Stereotactic body radiation therapy, treatment delivery, one or more treatment areas, per day	Procedure	CPT-3
0083T	Stereotactic body radiation therapy, treatment management, per day	Procedure	CPT-3
0182T	High dose rate electronic brachytherapy, per fraction	Procedure	CPT-3
0190T	Placement of intraocular radiation source applicator (List separately in addition to primary procedure)	Procedure	CPT-3
0285U	Oncology, response to radiation, cell-free DNA, quantitative branched chain DNA amplification, plasma, reported as a radiation toxicity score	Procedure	CPT-4
0394T	High dose rate electronic brachytherapy, skin surface application, per fraction, includes basic dosimetry, when performed	Procedure	CPT-3
0520F	Radiation dose limits to normal tissues established prior to the initiation of a course of 3D conformal radiation for a minimum of 2 tissue/organ (ONC)	Procedure	CPT-2
19294	Preparation of tumor cavity, with placement of a radiation therapy applicator for intraoperative radiation therapy (IORT) concurrent with partial mastectomy (List separately in addition to code for primary procedure)	Procedure	CPT-4
32553	Placement of interstitial device(s) for radiation therapy guidance (eg, fiducial markers, dosimeter), percutaneous, intra-thoracic, single or multiple	Procedure	CPT-4
32701	Thoracic target(s) delineation for stereotactic body radiation therapy (SRS/SBRT), (photon or particle beam), entire course of treatment	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
3318F	Pathology report confirming malignancy documented in the medical record and reviewed prior to the initiation of radiation therapy (ONC)	Procedure	CPT-2
4165F	3-dimensional conformal radiotherapy (3D-CRT) or intensity modulated radiation therapy (IMRT) received (PRCA)	Procedure	CPT-2
4181F	Conformal radiation therapy received (NMA-No Measure Associated)	Procedure	CPT-2
4200F	External beam radiotherapy as primary therapy to prostate with or without nodal irradiation (PRCA)	Procedure	CPT-2
4201F	External beam radiotherapy with or without nodal irradiation as adjuvant or salvage therapy for prostate cancer patient (PRCA)	Procedure	CPT-2
49327	Laparoscopy, surgical; with placement of interstitial device(s) for radiation therapy guidance (eg, fiducial markers, dosimeter), intra-abdominal, intrapelvic, and/or retroperitoneum, including imaging guidance, if performed, single or multiple (List separately in addition to code for primary procedure)	Procedure	CPT-4
49411	Placement of interstitial device(s) for radiation therapy guidance (eg, fiducial markers, dosimeter), percutaneous, intra-abdominal, intra-pelvic (except prostate), and/or retroperitoneum, single or multiple	Procedure	CPT-4
49412	Placement of interstitial device(s) for radiation therapy guidance (eg, fiducial markers, dosimeter), open, intra-abdominal, intrapelvic, and/or retroperitoneum, including image guidance, if performed, single or multiple (List separately in addition to code for primary procedure)	Procedure	CPT-4
55859	Transperineal placement of needles or catheters into prostate for interstitial radioelement application, with or without cystoscopy	Procedure	CPT-4
55860	Exposure of prostate, any approach, for insertion of radioactive substance;	Procedure	CPT-4
55862	Exposure of prostate, any approach, for insertion of radioactive substance; with lymph node biopsy(s) (limited pelvic lymphadenectomy)	Procedure	CPT-4
55865	Exposure of prostate, any approach, for insertion of radioactive substance; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric and obturator nodes	Procedure	CPT-4
55875	Transperineal placement of needles or catheters into prostate for interstitial radioelement application, with or without cystoscopy	Procedure	CPT-4
55876	Placement of interstitial device(s) for radiation therapy guidance (eg, fiducial markers, dosimeter), prostate (via needle, any approach), single or multiple	Procedure	CPT-4
61770	Stereotactic localization, including burr hole(s), with insertion of catheter(s) or probe(s) for placement of radiation source	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
61793	Stereotactic radiosurgery (particle beam, gamma ray or linear accelerator), one or more sessions	Procedure	CPT-4
67218	Destruction of localized lesion of retina (eg, macular edema, tumors), 1 or more sessions; radiation by implantation of source (includes removal of source)	Procedure	CPT-4
77371	Radiation treatment delivery, stereotactic radiosurgery (SRS), complete course of treatment of cranial lesion(s) consisting of 1 session; multi-source Cobalt 60 based	Procedure	CPT-4
77372	Radiation treatment delivery, stereotactic radiosurgery (SRS), complete course of treatment of cranial lesion(s) consisting of 1 session; linear accelerator based	Procedure	CPT-4
77373	Stereotactic body radiation therapy, treatment delivery, per fraction to 1 or more lesions, including image guidance, entire course not to exceed 5 fractions	Procedure	CPT-4
77385	Intensity modulated radiation treatment delivery (IMRT), includes guidance and tracking, when performed; simple	Procedure	CPT-4
77386	Intensity modulated radiation treatment delivery (IMRT), includes guidance and tracking, when performed; complex	Procedure	CPT-4
77401	Radiation treatment delivery, superficial and/or ortho voltage, per day	Procedure	CPT-4
77402	Radiation treatment delivery, $\geq 1$ MeV; simple	Procedure	CPT-4
77403	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks; 6-10 MeV	Procedure	CPT-4
77404	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks; 11-19 MeV	Procedure	CPT-4
77406	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks; 20 MeV or greater	Procedure	CPT-4
77407	Radiation treatment delivery, $\geq 1$ MeV; intermediate	Procedure	CPT-4
77408	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks; 6-10 MeV	Procedure	CPT-4
77409	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks; 11-19 MeV	Procedure	CPT-4
77411	Radiation treatment delivery, 2 separate treatment areas, 3 or more ports on a single treatment area, use of multiple blocks; 20 MeV or greater	Procedure	CPT-4
77412	Radiation treatment delivery, $\geq 1$ MeV; complex	Procedure	CPT-4
77413	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 6-10 MeV	Procedure	CPT-4
77414	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 11-19 MeV	Procedure	CPT-4



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
77416	Radiation treatment delivery, 3 or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 20 MeV or greater	Procedure	CPT-4
77418	Intensity modulated treatment delivery, single or multiple fields/arcs, via narrow spatially and temporally modulated beams, binary, dynamic MLC, per treatment session	Procedure	CPT-4
77421	Stereoscopic X-ray guidance for localization of target volume for the delivery of radiation therapy	Procedure	CPT-4
77422	High energy neutron radiation treatment delivery; single treatment area using a single port or parallel-opposed ports with no blocks or simple blocking	Procedure	CPT-4
77423	High energy neutron radiation treatment delivery, 1 or more isocenter(s) with coplanar or non-coplanar geometry with blocking and/or wedge, and/or compensator(s)	Procedure	CPT-4
77424	Intraoperative radiation treatment delivery, x-ray, single treatment session	Procedure	CPT-4
77425	Intraoperative radiation treatment delivery, electrons, single treatment session	Procedure	CPT-4
77427	Radiation treatment management, 5 treatments	Procedure	CPT-4
77432	Stereotactic radiation treatment management of cranial lesion(s) (complete course of treatment consisting of 1 session)	Procedure	CPT-4
77435	Stereotactic body radiation therapy, treatment management, per treatment course, to 1 or more lesions, including image guidance, entire course not to exceed 5 fractions	Procedure	CPT-4
77469	Intraoperative radiation treatment management	Procedure	CPT-4
77470	Special treatment procedure (eg, total body irradiation, hemibody radiation, per oral or endocavitary irradiation)	Procedure	CPT-4
77499	Unlisted procedure, therapeutic radiology treatment management	Procedure	CPT-4
77520	Proton treatment delivery; simple, without compensation	Procedure	CPT-4
77522	Proton treatment delivery; simple, with compensation	Procedure	CPT-4
77523	Proton treatment delivery; intermediate	Procedure	CPT-4
77525	Proton treatment delivery; complex	Procedure	CPT-4
77750	Infusion or instillation of radioelement solution (includes 3-month follow-up care)	Procedure	CPT-4
77761	Intracavitary radiation source application; simple	Procedure	CPT-4
77762	Intracavitary radiation source application; intermediate	Procedure	CPT-4
77763	Intracavitary radiation source application; complex	Procedure	CPT-4
77776	Interstitial radiation source application; simple	Procedure	CPT-4
77777	Interstitial radiation source application; intermediate	Procedure	CPT-4



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
77778	Interstitial radiation source application; complex	Procedure	CPT-4
77781	Remote afterloading high intensity brachytherapy; 1-4 source positions or catheters	Procedure	CPT-4
77782	Remote afterloading high intensity brachytherapy; 5-8 source positions or catheters	Procedure	CPT-4
77783	Remote afterloading high intensity brachytherapy; 9-12 source positions or catheters	Procedure	CPT-4
77784	Remote afterloading high intensity brachytherapy; over 12 source positions or catheters	Procedure	CPT-4
77785	Remote afterloading high dose rate radionuclide brachytherapy; 1 channel	Procedure	CPT-4
77786	Remote afterloading high dose rate radionuclide brachytherapy; 2-12 channels	Procedure	CPT-4
77787	Remote afterloading high dose rate radionuclide brachytherapy; over 12 channels	Procedure	CPT-4
77789	Surface application of low dose rate radionuclide source	Procedure	CPT-4
77799	Unlisted procedure, clinical brachytherapy	Procedure	CPT-4
79005	Radiopharmaceutical therapy, by oral administration	Procedure	CPT-4
79101	Radiopharmaceutical therapy, by intravenous administration	Procedure	CPT-4
79200	Radiopharmaceutical therapy, by intracavitary administration	Procedure	CPT-4
79300	Radiopharmaceutical therapy, by interstitial radioactive colloid administration	Procedure	CPT-4
79400	Radiopharmaceutical therapy, nonthyroid, nonhematologic by intervenous injection	Procedure	CPT-4
79403	Radiopharmaceutical therapy, radiolabeled monoclonal antibody by intravenous infusion	Procedure	CPT-4
79420	Intravascular radiopharmaceutical therapy, particulate	Procedure	CPT-4
79440	Radiopharmaceutical therapy, by intra-articular administration	Procedure	CPT-4
79900	Provision of therapeutic radiopharmaceutical(s)	Procedure	CPT-4
79999	Radiopharmaceutical therapy, unlisted procedure	Procedure	CPT-4
92.21	Superficial radiation	Procedure	ICD-9-CM
92.22	Orthovoltage radiation	Procedure	ICD-9-CM
92.24	Teleradiotherapy using photons	Procedure	ICD-9-CM
92.25	Teleradiotherapy using electrons	Procedure	ICD-9-CM
92.26	Teleradiotherapy of other particulate radiation	Procedure	ICD-9-CM
92.29	Other radiotherapeutic procedure	Procedure	ICD-9-CM
92.41	Intra-operative electron radiation therapy	Procedure	ICD-9-CM
92974	Transcatheter placement of radiation delivery device for subsequent coronary intravascular brachytherapy (List separately in addition to code for primary procedure)	Procedure	CPT-4
A4650	Implantable radiation dosimeter, each	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C9714	Placement of balloon catheter into the breast for interstitial radiation therapy following a partial mastectomy; concurrent/immediate (add-on)	Procedure	HCPCS
C9715	Placement of balloon catheter into the breast for interstitial radiation therapy following a partial mastectomy; delayed	Procedure	HCPCS
C9726	Placement and removal (if performed) of applicator into breast for intraoperative radiation therapy, add-on to primary breast procedure	Procedure	HCPCS
C9728	Placement of interstitial device(s) for radiation therapy/surgery guidance (e.g., fiducial markers, dosimeter), for other than the following sites (any approach): abdomen, pelvis, prostate, retroperitoneum, thorax, single or multiple	Procedure	HCPCS
D00	Radiation Therapy, Central and Peripheral Nervous System, Beam Radiation	Procedure	ICD-10-PCS
D000	Beam Radiation / Brain	Procedure	ICD-10-PCS
D0000ZZ	Beam Radiation of Brain using Photons <1 MeV	Procedure	ICD-10-PCS
D0001ZZ	Beam Radiation of Brain using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D0002ZZ	Beam Radiation of Brain using Photons >10 MeV	Procedure	ICD-10-PCS
D0003Z0	Beam Radiation of Brain using Electrons, Intraoperative	Procedure	ICD-10-PCS
D0003ZZ	Beam Radiation of Brain using Electrons	Procedure	ICD-10-PCS
D0004ZZ	Beam Radiation of Brain using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0005ZZ	Beam Radiation of Brain using Neutrons	Procedure	ICD-10-PCS
D0006ZZ	Beam Radiation of Brain using Neutron Capture	Procedure	ICD-10-PCS
D001	Beam Radiation / Brain Stem	Procedure	ICD-10-PCS
D0010ZZ	Beam Radiation of Brain Stem using Photons <1 MeV	Procedure	ICD-10-PCS
D0011ZZ	Beam Radiation of Brain Stem using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D0012ZZ	Beam Radiation of Brain Stem using Photons >10 MeV	Procedure	ICD-10-PCS
D0013Z0	Beam Radiation of Brain Stem using Electrons, Intraoperative	Procedure	ICD-10-PCS
D0013ZZ	Beam Radiation of Brain Stem using Electrons	Procedure	ICD-10-PCS
D0014ZZ	Beam Radiation of Brain Stem using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0015ZZ	Beam Radiation of Brain Stem using Neutrons	Procedure	ICD-10-PCS
D0016ZZ	Beam Radiation of Brain Stem using Neutron Capture	Procedure	ICD-10-PCS
D006	Beam Radiation / Spinal Cord	Procedure	ICD-10-PCS
D0060ZZ	Beam Radiation of Spinal Cord using Photons <1 MeV	Procedure	ICD-10-PCS
D0061ZZ	Beam Radiation of Spinal Cord using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D0062ZZ	Beam Radiation of Spinal Cord using Photons >10 MeV	Procedure	ICD-10-PCS
D0063Z0	Beam Radiation of Spinal Cord using Electrons, Intraoperative	Procedure	ICD-10-PCS
D0063ZZ	Beam Radiation of Spinal Cord using Electrons	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
D0064ZZ	Beam Radiation of Spinal Cord using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0065ZZ	Beam Radiation of Spinal Cord using Neutrons	Procedure	ICD-10-PCS
D0066ZZ	Beam Radiation of Spinal Cord using Neutron Capture	Procedure	ICD-10-PCS
D007	Beam Radiation / Peripheral Nerve	Procedure	ICD-10-PCS
D0070ZZ	Beam Radiation of Peripheral Nerve using Photons <1 MeV	Procedure	ICD-10-PCS
D0071ZZ	Beam Radiation of Peripheral Nerve using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D0072ZZ	Beam Radiation of Peripheral Nerve using Photons >10 MeV	Procedure	ICD-10-PCS
D0073Z0	Beam Radiation of Peripheral Nerve using Electrons, Intraoperative	Procedure	ICD-10-PCS
D0073ZZ	Beam Radiation of Peripheral Nerve using Electrons	Procedure	ICD-10-PCS
D0074ZZ	Beam Radiation of Peripheral Nerve using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D0075ZZ	Beam Radiation of Peripheral Nerve using Neutrons	Procedure	ICD-10-PCS
D0076ZZ	Beam Radiation of Peripheral Nerve using Neutron Capture	Procedure	ICD-10-PCS
D01	Radiation Therapy, Central and Peripheral Nervous System, Brachytherapy	Procedure	ICD-10-PCS
D02	Radiation Therapy, Central and Peripheral Nervous System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
D0Y	Radiation Therapy, Central and Peripheral Nervous System, Other Radiation	Procedure	ICD-10-PCS
D0Y0	Other Radiation / Brain	Procedure	ICD-10-PCS
D0Y07ZZ	Contact Radiation of Brain	Procedure	ICD-10-PCS
D0Y0CZZ	Intraoperative Radiation Therapy (IORT) of Brain	Procedure	ICD-10-PCS
D0Y0FZZ	Plaque Radiation of Brain	Procedure	ICD-10-PCS
D0Y1	Other Radiation / Brain Stem	Procedure	ICD-10-PCS
D0Y17ZZ	Contact Radiation of Brain Stem	Procedure	ICD-10-PCS
D0Y1CZZ	Intraoperative Radiation Therapy (IORT) of Brain Stem	Procedure	ICD-10-PCS
D0Y1FZZ	Plaque Radiation of Brain Stem	Procedure	ICD-10-PCS
D0Y6	Other Radiation / Spinal Cord	Procedure	ICD-10-PCS
D0Y67ZZ	Contact Radiation of Spinal Cord	Procedure	ICD-10-PCS
D0Y6CZZ	Intraoperative Radiation Therapy (IORT) of Spinal Cord	Procedure	ICD-10-PCS
D0Y6FZZ	Plaque Radiation of Spinal Cord	Procedure	ICD-10-PCS
D0Y7	Other Radiation / Peripheral Nerve	Procedure	ICD-10-PCS
D0Y77ZZ	Contact Radiation of Peripheral Nerve	Procedure	ICD-10-PCS
D0Y7CZZ	Intraoperative Radiation Therapy (IORT) of Peripheral Nerve	Procedure	ICD-10-PCS
D0Y7FZZ	Plaque Radiation of Peripheral Nerve	Procedure	ICD-10-PCS
D70	Radiation Therapy, Lymphatic and Hematologic System, Beam Radiation	Procedure	ICD-10-PCS
D700	Beam Radiation / Bone Marrow	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
D7000ZZ	Beam Radiation of Bone Marrow using Photons <1 MeV	Procedure	ICD-10-PCS
D7001ZZ	Beam Radiation of Bone Marrow using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7002ZZ	Beam Radiation of Bone Marrow using Photons >10 MeV	Procedure	ICD-10-PCS
D7003Z0	Beam Radiation of Bone Marrow using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7003ZZ	Beam Radiation of Bone Marrow using Electrons	Procedure	ICD-10-PCS
D7004ZZ	Beam Radiation of Bone Marrow using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7005ZZ	Beam Radiation of Bone Marrow using Neutrons	Procedure	ICD-10-PCS
D7006ZZ	Beam Radiation of Bone Marrow using Neutron Capture	Procedure	ICD-10-PCS
D701	Beam Radiation / Thymus	Procedure	ICD-10-PCS
D7010ZZ	Beam Radiation of Thymus using Photons <1 MeV	Procedure	ICD-10-PCS
D7011ZZ	Beam Radiation of Thymus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7012ZZ	Beam Radiation of Thymus using Photons >10 MeV	Procedure	ICD-10-PCS
D7013Z0	Beam Radiation of Thymus using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7013ZZ	Beam Radiation of Thymus using Electrons	Procedure	ICD-10-PCS
D7014ZZ	Beam Radiation of Thymus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7015ZZ	Beam Radiation of Thymus using Neutrons	Procedure	ICD-10-PCS
D7016ZZ	Beam Radiation of Thymus using Neutron Capture	Procedure	ICD-10-PCS
D702	Beam Radiation / Spleen	Procedure	ICD-10-PCS
D7020ZZ	Beam Radiation of Spleen using Photons <1 MeV	Procedure	ICD-10-PCS
D7021ZZ	Beam Radiation of Spleen using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7022ZZ	Beam Radiation of Spleen using Photons >10 MeV	Procedure	ICD-10-PCS
D7023Z0	Beam Radiation of Spleen using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7023ZZ	Beam Radiation of Spleen using Electrons	Procedure	ICD-10-PCS
D7024ZZ	Beam Radiation of Spleen using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7025ZZ	Beam Radiation of Spleen using Neutrons	Procedure	ICD-10-PCS
D7026ZZ	Beam Radiation of Spleen using Neutron Capture	Procedure	ICD-10-PCS
D703	Beam Radiation / Lymphatics, Neck	Procedure	ICD-10-PCS
D7030ZZ	Beam Radiation of Neck Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D7031ZZ	Beam Radiation of Neck Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7032ZZ	Beam Radiation of Neck Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7033Z0	Beam Radiation of Neck Lymphatics using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7033ZZ	Beam Radiation of Neck Lymphatics using Electrons	Procedure	ICD-10-PCS
D7034ZZ	Beam Radiation of Neck Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7035ZZ	Beam Radiation of Neck Lymphatics using Neutrons	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D7036ZZ	Beam Radiation of Neck Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D704	Beam Radiation / Lymphatics, Axillary	Procedure	ICD-10-PCS
D7040ZZ	Beam Radiation of Axillary Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D7041ZZ	Beam Radiation of Axillary Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7042ZZ	Beam Radiation of Axillary Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7043Z0	Beam Radiation of Axillary Lymphatics using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7043ZZ	Beam Radiation of Axillary Lymphatics using Electrons	Procedure	ICD-10-PCS
D7044ZZ	Beam Radiation of Axillary Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7045ZZ	Beam Radiation of Axillary Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7046ZZ	Beam Radiation of Axillary Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D705	Beam Radiation / Lymphatics, Thorax	Procedure	ICD-10-PCS
D7050ZZ	Beam Radiation of Thorax Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D7051ZZ	Beam Radiation of Thorax Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7052ZZ	Beam Radiation of Thorax Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7053Z0	Beam Radiation of Thorax Lymphatics using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7053ZZ	Beam Radiation of Thorax Lymphatics using Electrons	Procedure	ICD-10-PCS
D7054ZZ	Beam Radiation of Thorax Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7055ZZ	Beam Radiation of Thorax Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7056ZZ	Beam Radiation of Thorax Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D706	Beam Radiation / Lymphatics, Abdomen	Procedure	ICD-10-PCS
D7060ZZ	Beam Radiation of Abdomen Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D7061ZZ	Beam Radiation of Abdomen Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7062ZZ	Beam Radiation of Abdomen Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7063Z0	Beam Radiation of Abdomen Lymphatics using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7063ZZ	Beam Radiation of Abdomen Lymphatics using Electrons	Procedure	ICD-10-PCS
D7064ZZ	Beam Radiation of Abdomen Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7065ZZ	Beam Radiation of Abdomen Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7066ZZ	Beam Radiation of Abdomen Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D707	Beam Radiation / Lymphatics, Pelvis	Procedure	ICD-10-PCS
D7070ZZ	Beam Radiation of Pelvis Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D7071ZZ	Beam Radiation of Pelvis Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7072ZZ	Beam Radiation of Pelvis Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7073Z0	Beam Radiation of Pelvis Lymphatics using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7073ZZ	Beam Radiation of Pelvis Lymphatics using Electrons	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D7074ZZ	Beam Radiation of Pelvis Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7075ZZ	Beam Radiation of Pelvis Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7076ZZ	Beam Radiation of Pelvis Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D708	Beam Radiation / Lymphatics, Inguinal	Procedure	ICD-10-PCS
D7080ZZ	Beam Radiation of Inguinal Lymphatics using Photons <1 MeV	Procedure	ICD-10-PCS
D7081ZZ	Beam Radiation of Inguinal Lymphatics using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D7082ZZ	Beam Radiation of Inguinal Lymphatics using Photons >10 MeV	Procedure	ICD-10-PCS
D7083Z0	Beam Radiation of Inguinal Lymphatics using Electrons, Intraoperative	Procedure	ICD-10-PCS
D7083ZZ	Beam Radiation of Inguinal Lymphatics using Electrons	Procedure	ICD-10-PCS
D7084ZZ	Beam Radiation of Inguinal Lymphatics using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D7085ZZ	Beam Radiation of Inguinal Lymphatics using Neutrons	Procedure	ICD-10-PCS
D7086ZZ	Beam Radiation of Inguinal Lymphatics using Neutron Capture	Procedure	ICD-10-PCS
D71	Radiation Therapy, Lymphatic and Hematologic System, Brachytherapy	Procedure	ICD-10-PCS
D72	Radiation Therapy, Lymphatic and Hematologic System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
D7Y	Radiation Therapy, Lymphatic and Hematologic System, Other Radiation	Procedure	ICD-10-PCS
D7Y0	Other Radiation / Bone Marrow	Procedure	ICD-10-PCS
D7Y0FZZ	Plaque Radiation of Bone Marrow	Procedure	ICD-10-PCS
D7Y1	Other Radiation / Thymus	Procedure	ICD-10-PCS
D7Y1FZZ	Plaque Radiation of Thymus	Procedure	ICD-10-PCS
D7Y2	Other Radiation / Spleen	Procedure	ICD-10-PCS
D7Y2FZZ	Plaque Radiation of Spleen	Procedure	ICD-10-PCS
D7Y3	Other Radiation / Lymphatics, Neck	Procedure	ICD-10-PCS
D7Y3FZZ	Plaque Radiation of Neck Lymphatics	Procedure	ICD-10-PCS
D7Y4	Other Radiation / Lymphatics, Axillary	Procedure	ICD-10-PCS
D7Y4FZZ	Plaque Radiation of Axillary Lymphatics	Procedure	ICD-10-PCS
D7Y5	Other Radiation / Lymphatics, Thorax	Procedure	ICD-10-PCS
D7Y5FZZ	Plaque Radiation of Thorax Lymphatics	Procedure	ICD-10-PCS
D7Y6	Other Radiation / Lymphatics, Abdomen	Procedure	ICD-10-PCS
D7Y6FZZ	Plaque Radiation of Abdomen Lymphatics	Procedure	ICD-10-PCS
D7Y7	Other Radiation / Lymphatics, Pelvis	Procedure	ICD-10-PCS
D7Y7FZZ	Plaque Radiation of Pelvis Lymphatics	Procedure	ICD-10-PCS
D7Y8	Other Radiation / Lymphatics, Inguinal	Procedure	ICD-10-PCS
D7Y8FZZ	Plaque Radiation of Inguinal Lymphatics	Procedure	ICD-10-PCS
D80	Radiation Therapy, Eye, Beam Radiation	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D800	Beam Radiation / Eye	Procedure	ICD-10-PCS
D8000ZZ	Beam Radiation of Eye using Photons <1 MeV	Procedure	ICD-10-PCS
D8001ZZ	Beam Radiation of Eye using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D8002ZZ	Beam Radiation of Eye using Photons >10 MeV	Procedure	ICD-10-PCS
D8003Z0	Beam Radiation of Eye using Electrons, Intraoperative	Procedure	ICD-10-PCS
D8003ZZ	Beam Radiation of Eye using Electrons	Procedure	ICD-10-PCS
D8004ZZ	Beam Radiation of Eye using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D8005ZZ	Beam Radiation of Eye using Neutrons	Procedure	ICD-10-PCS
D8006ZZ	Beam Radiation of Eye using Neutron Capture	Procedure	ICD-10-PCS
D81	Radiation Therapy, Eye, Brachytherapy	Procedure	ICD-10-PCS
D82	Radiation Therapy, Eye, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
D8Y	Radiation Therapy, Eye, Other Radiation	Procedure	ICD-10-PCS
D8Y0	Other Radiation / Eye	Procedure	ICD-10-PCS
D8Y07ZZ	Contact Radiation of Eye	Procedure	ICD-10-PCS
D8Y0FZZ	Plaque Radiation of Eye	Procedure	ICD-10-PCS
D90	Radiation Therapy, Ear, Nose, Mouth and Throat, Beam Radiation	Procedure	ICD-10-PCS
D900	Beam Radiation / Ear	Procedure	ICD-10-PCS
D9000ZZ	Beam Radiation of Ear using Photons <1 MeV	Procedure	ICD-10-PCS
D9001ZZ	Beam Radiation of Ear using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9002ZZ	Beam Radiation of Ear using Photons >10 MeV	Procedure	ICD-10-PCS
D9003Z0	Beam Radiation of Ear using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9003ZZ	Beam Radiation of Ear using Electrons	Procedure	ICD-10-PCS
D9004ZZ	Beam Radiation of Ear using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9005ZZ	Beam Radiation of Ear using Neutrons	Procedure	ICD-10-PCS
D9006ZZ	Beam Radiation of Ear using Neutron Capture	Procedure	ICD-10-PCS
D901	Beam Radiation / Nose	Procedure	ICD-10-PCS
D9010ZZ	Beam Radiation of Nose using Photons <1 MeV	Procedure	ICD-10-PCS
D9011ZZ	Beam Radiation of Nose using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9012ZZ	Beam Radiation of Nose using Photons >10 MeV	Procedure	ICD-10-PCS
D9013Z0	Beam Radiation of Nose using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9013ZZ	Beam Radiation of Nose using Electrons	Procedure	ICD-10-PCS
D9014ZZ	Beam Radiation of Nose using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9015ZZ	Beam Radiation of Nose using Neutrons	Procedure	ICD-10-PCS
D9016ZZ	Beam Radiation of Nose using Neutron Capture	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D903	Beam Radiation / Hypopharynx	Procedure	ICD-10-PCS
D9030ZZ	Beam Radiation of Hypopharynx using Photons <1 MeV	Procedure	ICD-10-PCS
D9031ZZ	Beam Radiation of Hypopharynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9032ZZ	Beam Radiation of Hypopharynx using Photons >10 MeV	Procedure	ICD-10-PCS
D9033Z0	Beam Radiation of Hypopharynx using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9033ZZ	Beam Radiation of Hypopharynx using Electrons	Procedure	ICD-10-PCS
D9034ZZ	Beam Radiation of Hypopharynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9035ZZ	Beam Radiation of Hypopharynx using Neutrons	Procedure	ICD-10-PCS
D9036ZZ	Beam Radiation of Hypopharynx using Neutron Capture	Procedure	ICD-10-PCS
D904	Beam Radiation / Mouth	Procedure	ICD-10-PCS
D9040ZZ	Beam Radiation of Mouth using Photons <1 MeV	Procedure	ICD-10-PCS
D9041ZZ	Beam Radiation of Mouth using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9042ZZ	Beam Radiation of Mouth using Photons >10 MeV	Procedure	ICD-10-PCS
D9043Z0	Beam Radiation of Mouth using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9043ZZ	Beam Radiation of Mouth using Electrons	Procedure	ICD-10-PCS
D9044ZZ	Beam Radiation of Mouth using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9045ZZ	Beam Radiation of Mouth using Neutrons	Procedure	ICD-10-PCS
D9046ZZ	Beam Radiation of Mouth using Neutron Capture	Procedure	ICD-10-PCS
D905	Beam Radiation / Tongue	Procedure	ICD-10-PCS
D9050ZZ	Beam Radiation of Tongue using Photons <1 MeV	Procedure	ICD-10-PCS
D9051ZZ	Beam Radiation of Tongue using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9052ZZ	Beam Radiation of Tongue using Photons >10 MeV	Procedure	ICD-10-PCS
D9053Z0	Beam Radiation of Tongue using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9053ZZ	Beam Radiation of Tongue using Electrons	Procedure	ICD-10-PCS
D9054ZZ	Beam Radiation of Tongue using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9055ZZ	Beam Radiation of Tongue using Neutrons	Procedure	ICD-10-PCS
D9056ZZ	Beam Radiation of Tongue using Neutron Capture	Procedure	ICD-10-PCS
D906	Beam Radiation / Salivary Glands	Procedure	ICD-10-PCS
D9060ZZ	Beam Radiation of Salivary Glands using Photons <1 MeV	Procedure	ICD-10-PCS
D9061ZZ	Beam Radiation of Salivary Glands using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9062ZZ	Beam Radiation of Salivary Glands using Photons >10 MeV	Procedure	ICD-10-PCS
D9063Z0	Beam Radiation of Salivary Glands using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9063ZZ	Beam Radiation of Salivary Glands using Electrons	Procedure	ICD-10-PCS
D9064ZZ	Beam Radiation of Salivary Glands using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D9065ZZ	Beam Radiation of Salivary Glands using Neutrons	Procedure	ICD-10-PCS
D9066ZZ	Beam Radiation of Salivary Glands using Neutron Capture	Procedure	ICD-10-PCS
D907	Beam Radiation / Sinuses	Procedure	ICD-10-PCS
D9070ZZ	Beam Radiation of Sinuses using Photons <1 MeV	Procedure	ICD-10-PCS
D9071ZZ	Beam Radiation of Sinuses using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9072ZZ	Beam Radiation of Sinuses using Photons >10 MeV	Procedure	ICD-10-PCS
D9073Z0	Beam Radiation of Sinuses using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9073ZZ	Beam Radiation of Sinuses using Electrons	Procedure	ICD-10-PCS
D9074ZZ	Beam Radiation of Sinuses using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9075ZZ	Beam Radiation of Sinuses using Neutrons	Procedure	ICD-10-PCS
D9076ZZ	Beam Radiation of Sinuses using Neutron Capture	Procedure	ICD-10-PCS
D908	Beam Radiation / Hard Palate	Procedure	ICD-10-PCS
D9080ZZ	Beam Radiation of Hard Palate using Photons <1 MeV	Procedure	ICD-10-PCS
D9081ZZ	Beam Radiation of Hard Palate using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9082ZZ	Beam Radiation of Hard Palate using Photons >10 MeV	Procedure	ICD-10-PCS
D9083Z0	Beam Radiation of Hard Palate using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9083ZZ	Beam Radiation of Hard Palate using Electrons	Procedure	ICD-10-PCS
D9084ZZ	Beam Radiation of Hard Palate using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9085ZZ	Beam Radiation of Hard Palate using Neutrons	Procedure	ICD-10-PCS
D9086ZZ	Beam Radiation of Hard Palate using Neutron Capture	Procedure	ICD-10-PCS
D909	Beam Radiation / Soft Palate	Procedure	ICD-10-PCS
D9090ZZ	Beam Radiation of Soft Palate using Photons <1 MeV	Procedure	ICD-10-PCS
D9091ZZ	Beam Radiation of Soft Palate using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D9092ZZ	Beam Radiation of Soft Palate using Photons >10 MeV	Procedure	ICD-10-PCS
D9093Z0	Beam Radiation of Soft Palate using Electrons, Intraoperative	Procedure	ICD-10-PCS
D9093ZZ	Beam Radiation of Soft Palate using Electrons	Procedure	ICD-10-PCS
D9094ZZ	Beam Radiation of Soft Palate using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D9095ZZ	Beam Radiation of Soft Palate using Neutrons	Procedure	ICD-10-PCS
D9096ZZ	Beam Radiation of Soft Palate using Neutron Capture	Procedure	ICD-10-PCS
D90B	Beam Radiation / Larynx	Procedure	ICD-10-PCS
D90B0ZZ	Beam Radiation of Larynx using Photons <1 MeV	Procedure	ICD-10-PCS
D90B1ZZ	Beam Radiation of Larynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D90B2ZZ	Beam Radiation of Larynx using Photons >10 MeV	Procedure	ICD-10-PCS
D90B3Z0	Beam Radiation of Larynx using Electrons, Intraoperative	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
D90B3ZZ	Beam Radiation of Larynx using Electrons	Procedure	ICD-10-PCS
D90B4ZZ	Beam Radiation of Larynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D90B5ZZ	Beam Radiation of Larynx using Neutrons	Procedure	ICD-10-PCS
D90B6ZZ	Beam Radiation of Larynx using Neutron Capture	Procedure	ICD-10-PCS
D90D	Beam Radiation / Nasopharynx	Procedure	ICD-10-PCS
D90D0ZZ	Beam Radiation of Nasopharynx using Photons <1 MeV	Procedure	ICD-10-PCS
D90D1ZZ	Beam Radiation of Nasopharynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D90D2ZZ	Beam Radiation of Nasopharynx using Photons >10 MeV	Procedure	ICD-10-PCS
D90D3Z0	Beam Radiation of Nasopharynx using Electrons, Intraoperative	Procedure	ICD-10-PCS
D90D3ZZ	Beam Radiation of Nasopharynx using Electrons	Procedure	ICD-10-PCS
D90D4ZZ	Beam Radiation of Nasopharynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D90D5ZZ	Beam Radiation of Nasopharynx using Neutrons	Procedure	ICD-10-PCS
D90D6ZZ	Beam Radiation of Nasopharynx using Neutron Capture	Procedure	ICD-10-PCS
D90F	Beam Radiation / Oropharynx	Procedure	ICD-10-PCS
D90F0ZZ	Beam Radiation of Oropharynx using Photons <1 MeV	Procedure	ICD-10-PCS
D90F1ZZ	Beam Radiation of Oropharynx using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
D90F2ZZ	Beam Radiation of Oropharynx using Photons >10 MeV	Procedure	ICD-10-PCS
D90F3Z0	Beam Radiation of Oropharynx using Electrons, Intraoperative	Procedure	ICD-10-PCS
D90F3ZZ	Beam Radiation of Oropharynx using Electrons	Procedure	ICD-10-PCS
D90F4ZZ	Beam Radiation of Oropharynx using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
D90F5ZZ	Beam Radiation of Oropharynx using Neutrons	Procedure	ICD-10-PCS
D90F6ZZ	Beam Radiation of Oropharynx using Neutron Capture	Procedure	ICD-10-PCS
D91	Radiation Therapy, Ear, Nose, Mouth and Throat, Brachytherapy	Procedure	ICD-10-PCS
D92	Radiation Therapy, Ear, Nose, Mouth and Throat, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
D9Y	Radiation Therapy, Ear, Nose, Mouth and Throat, Other Radiation	Procedure	ICD-10-PCS
D9Y0	Other Radiation / Ear	Procedure	ICD-10-PCS
D9Y07ZZ	Contact Radiation of Ear	Procedure	ICD-10-PCS
D9Y0FZZ	Plaque Radiation of Ear	Procedure	ICD-10-PCS
D9Y1	Other Radiation / Nose	Procedure	ICD-10-PCS
D9Y17ZZ	Contact Radiation of Nose	Procedure	ICD-10-PCS
D9Y1FZZ	Plaque Radiation of Nose	Procedure	ICD-10-PCS
D9Y3	Other Radiation / Hypopharynx	Procedure	ICD-10-PCS
D9Y37ZZ	Contact Radiation of Hypopharynx	Procedure	ICD-10-PCS
D9Y4	Other Radiation / Mouth	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
D9Y47ZZ	Contact Radiation of Mouth	Procedure	ICD-10-PCS
D9Y4CZZ	Intraoperative Radiation Therapy (IORT) of Mouth	Procedure	ICD-10-PCS
D9Y4FZZ	Plaque Radiation of Mouth	Procedure	ICD-10-PCS
D9Y5	Other Radiation / Tongue	Procedure	ICD-10-PCS
D9Y57ZZ	Contact Radiation of Tongue	Procedure	ICD-10-PCS
D9Y5FZZ	Plaque Radiation of Tongue	Procedure	ICD-10-PCS
D9Y6	Other Radiation / Salivary Glands	Procedure	ICD-10-PCS
D9Y67ZZ	Contact Radiation of Salivary Glands	Procedure	ICD-10-PCS
D9Y6FZZ	Plaque Radiation of Salivary Glands	Procedure	ICD-10-PCS
D9Y7	Other Radiation / Sinuses	Procedure	ICD-10-PCS
D9Y77ZZ	Contact Radiation of Sinuses	Procedure	ICD-10-PCS
D9Y7FZZ	Plaque Radiation of Sinuses	Procedure	ICD-10-PCS
D9Y8	Other Radiation / Hard Palate	Procedure	ICD-10-PCS
D9Y87ZZ	Contact Radiation of Hard Palate	Procedure	ICD-10-PCS
D9Y8FZZ	Plaque Radiation of Hard Palate	Procedure	ICD-10-PCS
D9Y9	Other Radiation / Soft Palate	Procedure	ICD-10-PCS
D9Y97ZZ	Contact Radiation of Soft Palate	Procedure	ICD-10-PCS
D9Y9FZZ	Plaque Radiation of Soft Palate	Procedure	ICD-10-PCS
D9YB	Other Radiation / Larynx	Procedure	ICD-10-PCS
D9YB7ZZ	Contact Radiation of Larynx	Procedure	ICD-10-PCS
D9YBCZZ	Intraoperative Radiation Therapy (IORT) of Larynx	Procedure	ICD-10-PCS
D9YBFZZ	Plaque Radiation of Larynx	Procedure	ICD-10-PCS
D9YC	Other Radiation / Pharynx	Procedure	ICD-10-PCS
D9YCCZZ	Intraoperative Radiation Therapy (IORT) of Pharynx	Procedure	ICD-10-PCS
D9YCFZZ	Plaque Radiation of Pharynx	Procedure	ICD-10-PCS
D9YD	Other Radiation / Nasopharynx	Procedure	ICD-10-PCS
D9YD7ZZ	Contact Radiation of Nasopharynx	Procedure	ICD-10-PCS
D9YDCZZ	Intraoperative Radiation Therapy (IORT) of Nasopharynx	Procedure	ICD-10-PCS
D9YDFZZ	Plaque Radiation of Nasopharynx	Procedure	ICD-10-PCS
D9YF	Other Radiation / Oropharynx	Procedure	ICD-10-PCS
D9YF7ZZ	Contact Radiation of Oropharynx	Procedure	ICD-10-PCS
DB0	Radiation Therapy, Respiratory System, Beam Radiation	Procedure	ICD-10-PCS
DB00	Beam Radiation / Trachea	Procedure	ICD-10-PCS
DB000ZZ	Beam Radiation of Trachea using Photons <1 MeV	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DB001ZZ	Beam Radiation of Trachea using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB002ZZ	Beam Radiation of Trachea using Photons >10 MeV	Procedure	ICD-10-PCS
DB003Z0	Beam Radiation of Trachea using Electrons, Intraoperative	Procedure	ICD-10-PCS
DB003ZZ	Beam Radiation of Trachea using Electrons	Procedure	ICD-10-PCS
DB004ZZ	Beam Radiation of Trachea using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB005ZZ	Beam Radiation of Trachea using Neutrons	Procedure	ICD-10-PCS
DB006ZZ	Beam Radiation of Trachea using Neutron Capture	Procedure	ICD-10-PCS
DB01	Beam Radiation / Bronchus	Procedure	ICD-10-PCS
DB010ZZ	Beam Radiation of Bronchus using Photons <1 MeV	Procedure	ICD-10-PCS
DB011ZZ	Beam Radiation of Bronchus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB012ZZ	Beam Radiation of Bronchus using Photons >10 MeV	Procedure	ICD-10-PCS
DB013Z0	Beam Radiation of Bronchus using Electrons, Intraoperative	Procedure	ICD-10-PCS
DB013ZZ	Beam Radiation of Bronchus using Electrons	Procedure	ICD-10-PCS
DB014ZZ	Beam Radiation of Bronchus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB015ZZ	Beam Radiation of Bronchus using Neutrons	Procedure	ICD-10-PCS
DB016ZZ	Beam Radiation of Bronchus using Neutron Capture	Procedure	ICD-10-PCS
DB02	Beam Radiation / Lung	Procedure	ICD-10-PCS
DB020ZZ	Beam Radiation of Lung using Photons <1 MeV	Procedure	ICD-10-PCS
DB021ZZ	Beam Radiation of Lung using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB022ZZ	Beam Radiation of Lung using Photons >10 MeV	Procedure	ICD-10-PCS
DB023Z0	Beam Radiation of Lung using Electrons, Intraoperative	Procedure	ICD-10-PCS
DB023ZZ	Beam Radiation of Lung using Electrons	Procedure	ICD-10-PCS
DB024ZZ	Beam Radiation of Lung using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB025ZZ	Beam Radiation of Lung using Neutrons	Procedure	ICD-10-PCS
DB026ZZ	Beam Radiation of Lung using Neutron Capture	Procedure	ICD-10-PCS
DB05	Beam Radiation / Pleura	Procedure	ICD-10-PCS
DB050ZZ	Beam Radiation of Pleura using Photons <1 MeV	Procedure	ICD-10-PCS
DB051ZZ	Beam Radiation of Pleura using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB052ZZ	Beam Radiation of Pleura using Photons >10 MeV	Procedure	ICD-10-PCS
DB053Z0	Beam Radiation of Pleura using Electrons, Intraoperative	Procedure	ICD-10-PCS
DB053ZZ	Beam Radiation of Pleura using Electrons	Procedure	ICD-10-PCS
DB054ZZ	Beam Radiation of Pleura using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB055ZZ	Beam Radiation of Pleura using Neutrons	Procedure	ICD-10-PCS
DB056ZZ	Beam Radiation of Pleura using Neutron Capture	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DB06	Beam Radiation / Mediastinum	Procedure	ICD-10-PCS
DB060ZZ	Beam Radiation of Mediastinum using Photons <1 MeV	Procedure	ICD-10-PCS
DB061ZZ	Beam Radiation of Mediastinum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB062ZZ	Beam Radiation of Mediastinum using Photons >10 MeV	Procedure	ICD-10-PCS
DB063Z0	Beam Radiation of Mediastinum using Electrons, Intraoperative	Procedure	ICD-10-PCS
DB063ZZ	Beam Radiation of Mediastinum using Electrons	Procedure	ICD-10-PCS
DB064ZZ	Beam Radiation of Mediastinum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB065ZZ	Beam Radiation of Mediastinum using Neutrons	Procedure	ICD-10-PCS
DB066ZZ	Beam Radiation of Mediastinum using Neutron Capture	Procedure	ICD-10-PCS
DB07	Beam Radiation / Chest Wall	Procedure	ICD-10-PCS
DB070ZZ	Beam Radiation of Chest Wall using Photons <1 MeV	Procedure	ICD-10-PCS
DB071ZZ	Beam Radiation of Chest Wall using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB072ZZ	Beam Radiation of Chest Wall using Photons >10 MeV	Procedure	ICD-10-PCS
DB073Z0	Beam Radiation of Chest Wall using Electrons, Intraoperative	Procedure	ICD-10-PCS
DB073ZZ	Beam Radiation of Chest Wall using Electrons	Procedure	ICD-10-PCS
DB074ZZ	Beam Radiation of Chest Wall using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB075ZZ	Beam Radiation of Chest Wall using Neutrons	Procedure	ICD-10-PCS
DB076ZZ	Beam Radiation of Chest Wall using Neutron Capture	Procedure	ICD-10-PCS
DB08	Beam Radiation / Diaphragm	Procedure	ICD-10-PCS
DB080ZZ	Beam Radiation of Diaphragm using Photons <1 MeV	Procedure	ICD-10-PCS
DB081ZZ	Beam Radiation of Diaphragm using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DB082ZZ	Beam Radiation of Diaphragm using Photons >10 MeV	Procedure	ICD-10-PCS
DB083Z0	Beam Radiation of Diaphragm using Electrons, Intraoperative	Procedure	ICD-10-PCS
DB083ZZ	Beam Radiation of Diaphragm using Electrons	Procedure	ICD-10-PCS
DB084ZZ	Beam Radiation of Diaphragm using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DB085ZZ	Beam Radiation of Diaphragm using Neutrons	Procedure	ICD-10-PCS
DB086ZZ	Beam Radiation of Diaphragm using Neutron Capture	Procedure	ICD-10-PCS
DB1	Radiation Therapy, Respiratory System, Brachytherapy	Procedure	ICD-10-PCS
DB2	Radiation Therapy, Respiratory System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DBY	Radiation Therapy, Respiratory System, Other Radiation	Procedure	ICD-10-PCS
DBY0	Other Radiation / Trachea	Procedure	ICD-10-PCS
DBY07ZZ	Contact Radiation of Trachea	Procedure	ICD-10-PCS
DBY0FZZ	Plaque Radiation of Trachea	Procedure	ICD-10-PCS
DBY1	Other Radiation / Bronchus	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DBY17ZZ	Contact Radiation of Bronchus	Procedure	ICD-10-PCS
DBY1FZZ	Plaque Radiation of Bronchus	Procedure	ICD-10-PCS
DBY2	Other Radiation / Lung	Procedure	ICD-10-PCS
DBY27ZZ	Contact Radiation of Lung	Procedure	ICD-10-PCS
DBY2FZZ	Plaque Radiation of Lung	Procedure	ICD-10-PCS
DBY5	Other Radiation / Pleura	Procedure	ICD-10-PCS
DBY57ZZ	Contact Radiation of Pleura	Procedure	ICD-10-PCS
DBY5FZZ	Plaque Radiation of Pleura	Procedure	ICD-10-PCS
DBY6	Other Radiation / Mediastinum	Procedure	ICD-10-PCS
DBY67ZZ	Contact Radiation of Mediastinum	Procedure	ICD-10-PCS
DBY6FZZ	Plaque Radiation of Mediastinum	Procedure	ICD-10-PCS
DBY7	Other Radiation / Chest Wall	Procedure	ICD-10-PCS
DBY77ZZ	Contact Radiation of Chest Wall	Procedure	ICD-10-PCS
DBY7FZZ	Plaque Radiation of Chest Wall	Procedure	ICD-10-PCS
DBY8	Other Radiation / Diaphragm	Procedure	ICD-10-PCS
DBY87ZZ	Contact Radiation of Diaphragm	Procedure	ICD-10-PCS
DBY8FZZ	Plaque Radiation of Diaphragm	Procedure	ICD-10-PCS
DD0	Radiation Therapy, Gastrointestinal System, Beam Radiation	Procedure	ICD-10-PCS
DD00	Beam Radiation / Esophagus	Procedure	ICD-10-PCS
DD000ZZ	Beam Radiation of Esophagus using Photons <1 MeV	Procedure	ICD-10-PCS
DD001ZZ	Beam Radiation of Esophagus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD002ZZ	Beam Radiation of Esophagus using Photons >10 MeV	Procedure	ICD-10-PCS
DD003Z0	Beam Radiation of Esophagus using Electrons, Intraoperative	Procedure	ICD-10-PCS
DD003ZZ	Beam Radiation of Esophagus using Electrons	Procedure	ICD-10-PCS
DD004ZZ	Beam Radiation of Esophagus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD005ZZ	Beam Radiation of Esophagus using Neutrons	Procedure	ICD-10-PCS
DD006ZZ	Beam Radiation of Esophagus using Neutron Capture	Procedure	ICD-10-PCS
DD01	Beam Radiation / Stomach	Procedure	ICD-10-PCS
DD010ZZ	Beam Radiation of Stomach using Photons <1 MeV	Procedure	ICD-10-PCS
DD011ZZ	Beam Radiation of Stomach using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD012ZZ	Beam Radiation of Stomach using Photons >10 MeV	Procedure	ICD-10-PCS
DD013Z0	Beam Radiation of Stomach using Electrons, Intraoperative	Procedure	ICD-10-PCS
DD013ZZ	Beam Radiation of Stomach using Electrons	Procedure	ICD-10-PCS
DD014ZZ	Beam Radiation of Stomach using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DD015ZZ	Beam Radiation of Stomach using Neutrons	Procedure	ICD-10-PCS
DD016ZZ	Beam Radiation of Stomach using Neutron Capture	Procedure	ICD-10-PCS
DD02	Beam Radiation / Duodenum	Procedure	ICD-10-PCS
DD020ZZ	Beam Radiation of Duodenum using Photons <1 MeV	Procedure	ICD-10-PCS
DD021ZZ	Beam Radiation of Duodenum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD022ZZ	Beam Radiation of Duodenum using Photons >10 MeV	Procedure	ICD-10-PCS
DD023Z0	Beam Radiation of Duodenum using Electrons, Intraoperative	Procedure	ICD-10-PCS
DD023ZZ	Beam Radiation of Duodenum using Electrons	Procedure	ICD-10-PCS
DD024ZZ	Beam Radiation of Duodenum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD025ZZ	Beam Radiation of Duodenum using Neutrons	Procedure	ICD-10-PCS
DD026ZZ	Beam Radiation of Duodenum using Neutron Capture	Procedure	ICD-10-PCS
DD03	Beam Radiation / Jejunum	Procedure	ICD-10-PCS
DD030ZZ	Beam Radiation of Jejunum using Photons <1 MeV	Procedure	ICD-10-PCS
DD031ZZ	Beam Radiation of Jejunum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD032ZZ	Beam Radiation of Jejunum using Photons >10 MeV	Procedure	ICD-10-PCS
DD033Z0	Beam Radiation of Jejunum using Electrons, Intraoperative	Procedure	ICD-10-PCS
DD033ZZ	Beam Radiation of Jejunum using Electrons	Procedure	ICD-10-PCS
DD034ZZ	Beam Radiation of Jejunum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD035ZZ	Beam Radiation of Jejunum using Neutrons	Procedure	ICD-10-PCS
DD036ZZ	Beam Radiation of Jejunum using Neutron Capture	Procedure	ICD-10-PCS
DD04	Beam Radiation / Ileum	Procedure	ICD-10-PCS
DD040ZZ	Beam Radiation of Ileum using Photons <1 MeV	Procedure	ICD-10-PCS
DD041ZZ	Beam Radiation of Ileum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD042ZZ	Beam Radiation of Ileum using Photons >10 MeV	Procedure	ICD-10-PCS
DD043Z0	Beam Radiation of Ileum using Electrons, Intraoperative	Procedure	ICD-10-PCS
DD043ZZ	Beam Radiation of Ileum using Electrons	Procedure	ICD-10-PCS
DD044ZZ	Beam Radiation of Ileum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD045ZZ	Beam Radiation of Ileum using Neutrons	Procedure	ICD-10-PCS
DD046ZZ	Beam Radiation of Ileum using Neutron Capture	Procedure	ICD-10-PCS
DD05	Beam Radiation / Colon	Procedure	ICD-10-PCS
DD050ZZ	Beam Radiation of Colon using Photons <1 MeV	Procedure	ICD-10-PCS
DD051ZZ	Beam Radiation of Colon using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD052ZZ	Beam Radiation of Colon using Photons >10 MeV	Procedure	ICD-10-PCS
DD053Z0	Beam Radiation of Colon using Electrons, Intraoperative	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DD053ZZ	Beam Radiation of Colon using Electrons	Procedure	ICD-10-PCS
DD054ZZ	Beam Radiation of Colon using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD055ZZ	Beam Radiation of Colon using Neutrons	Procedure	ICD-10-PCS
DD056ZZ	Beam Radiation of Colon using Neutron Capture	Procedure	ICD-10-PCS
DD07	Beam Radiation / Rectum	Procedure	ICD-10-PCS
DD070ZZ	Beam Radiation of Rectum using Photons <1 MeV	Procedure	ICD-10-PCS
DD071ZZ	Beam Radiation of Rectum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DD072ZZ	Beam Radiation of Rectum using Photons >10 MeV	Procedure	ICD-10-PCS
DD073Z0	Beam Radiation of Rectum using Electrons, Intraoperative	Procedure	ICD-10-PCS
DD073ZZ	Beam Radiation of Rectum using Electrons	Procedure	ICD-10-PCS
DD074ZZ	Beam Radiation of Rectum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DD075ZZ	Beam Radiation of Rectum using Neutrons	Procedure	ICD-10-PCS
DD076ZZ	Beam Radiation of Rectum using Neutron Capture	Procedure	ICD-10-PCS
DD1	Radiation Therapy, Gastrointestinal System, Brachytherapy	Procedure	ICD-10-PCS
DD2	Radiation Therapy, Gastrointestinal System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DDY	Radiation Therapy, Gastrointestinal System, Other Radiation	Procedure	ICD-10-PCS
DDY0	Other Radiation / Esophagus	Procedure	ICD-10-PCS
DDY07ZZ	Contact Radiation of Esophagus	Procedure	ICD-10-PCS
DDY0FZZ	Plaque Radiation of Esophagus	Procedure	ICD-10-PCS
DDY1	Other Radiation / Stomach	Procedure	ICD-10-PCS
DDY17ZZ	Contact Radiation of Stomach	Procedure	ICD-10-PCS
DDY1CZZ	Intraoperative Radiation Therapy (IORT) of Stomach	Procedure	ICD-10-PCS
DDY1FZZ	Plaque Radiation of Stomach	Procedure	ICD-10-PCS
DDY2	Other Radiation / Duodenum	Procedure	ICD-10-PCS
DDY27ZZ	Contact Radiation of Duodenum	Procedure	ICD-10-PCS
DDY2CZZ	Intraoperative Radiation Therapy (IORT) of Duodenum	Procedure	ICD-10-PCS
DDY2FZZ	Plaque Radiation of Duodenum	Procedure	ICD-10-PCS
DDY3	Other Radiation / Jejunum	Procedure	ICD-10-PCS
DDY37ZZ	Contact Radiation of Jejunum	Procedure	ICD-10-PCS
DDY3CZZ	Intraoperative Radiation Therapy (IORT) of Jejunum	Procedure	ICD-10-PCS
DDY3FZZ	Plaque Radiation of Jejunum	Procedure	ICD-10-PCS
DDY4	Other Radiation / Ileum	Procedure	ICD-10-PCS
DDY47ZZ	Contact Radiation of Ileum	Procedure	ICD-10-PCS
DDY4CZZ	Intraoperative Radiation Therapy (IORT) of Ileum	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DDY4FZZ	Plaque Radiation of Ileum	Procedure	ICD-10-PCS
DDY5	Other Radiation / Colon	Procedure	ICD-10-PCS
DDY57ZZ	Contact Radiation of Colon	Procedure	ICD-10-PCS
DDY5CZZ	Intraoperative Radiation Therapy (IORT) of Colon	Procedure	ICD-10-PCS
DDY5FZZ	Plaque Radiation of Colon	Procedure	ICD-10-PCS
DDY7	Other Radiation / Rectum	Procedure	ICD-10-PCS
DDY77ZZ	Contact Radiation of Rectum	Procedure	ICD-10-PCS
DDY7CZZ	Intraoperative Radiation Therapy (IORT) of Rectum	Procedure	ICD-10-PCS
DDY7FZZ	Plaque Radiation of Rectum	Procedure	ICD-10-PCS
DDY8	Other Radiation / Anus	Procedure	ICD-10-PCS
DDY8CZZ	Intraoperative Radiation Therapy (IORT) of Anus	Procedure	ICD-10-PCS
DDY8FZZ	Plaque Radiation of Anus	Procedure	ICD-10-PCS
DF0	Radiation Therapy, Hepatobiliary System and Pancreas, Beam Radiation	Procedure	ICD-10-PCS
DF00	Beam Radiation / Liver	Procedure	ICD-10-PCS
DF000ZZ	Beam Radiation of Liver using Photons <1 MeV	Procedure	ICD-10-PCS
DF001ZZ	Beam Radiation of Liver using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DF002ZZ	Beam Radiation of Liver using Photons >10 MeV	Procedure	ICD-10-PCS
DF003Z0	Beam Radiation of Liver using Electrons, Intraoperative	Procedure	ICD-10-PCS
DF003ZZ	Beam Radiation of Liver using Electrons	Procedure	ICD-10-PCS
DF004ZZ	Beam Radiation of Liver using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF005ZZ	Beam Radiation of Liver using Neutrons	Procedure	ICD-10-PCS
DF006ZZ	Beam Radiation of Liver using Neutron Capture	Procedure	ICD-10-PCS
DF01	Beam Radiation / Gallbladder	Procedure	ICD-10-PCS
DF010ZZ	Beam Radiation of Gallbladder using Photons <1 MeV	Procedure	ICD-10-PCS
DF011ZZ	Beam Radiation of Gallbladder using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DF012ZZ	Beam Radiation of Gallbladder using Photons >10 MeV	Procedure	ICD-10-PCS
DF013Z0	Beam Radiation of Gallbladder using Electrons, Intraoperative	Procedure	ICD-10-PCS
DF013ZZ	Beam Radiation of Gallbladder using Electrons	Procedure	ICD-10-PCS
DF014ZZ	Beam Radiation of Gallbladder using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF015ZZ	Beam Radiation of Gallbladder using Neutrons	Procedure	ICD-10-PCS
DF016ZZ	Beam Radiation of Gallbladder using Neutron Capture	Procedure	ICD-10-PCS
DF02	Beam Radiation / Bile Ducts	Procedure	ICD-10-PCS
DF020ZZ	Beam Radiation of Bile Ducts using Photons <1 MeV	Procedure	ICD-10-PCS
DF021ZZ	Beam Radiation of Bile Ducts using Photons 1 - 10 MeV	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DF022ZZ	Beam Radiation of Bile Ducts using Photons >10 MeV	Procedure	ICD-10-PCS
DF023Z0	Beam Radiation of Bile Ducts using Electrons, Intraoperative	Procedure	ICD-10-PCS
DF023ZZ	Beam Radiation of Bile Ducts using Electrons	Procedure	ICD-10-PCS
DF024ZZ	Beam Radiation of Bile Ducts using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF025ZZ	Beam Radiation of Bile Ducts using Neutrons	Procedure	ICD-10-PCS
DF026ZZ	Beam Radiation of Bile Ducts using Neutron Capture	Procedure	ICD-10-PCS
DF03	Beam Radiation / Pancreas	Procedure	ICD-10-PCS
DF030ZZ	Beam Radiation of Pancreas using Photons <1 MeV	Procedure	ICD-10-PCS
DF031ZZ	Beam Radiation of Pancreas using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DF032ZZ	Beam Radiation of Pancreas using Photons >10 MeV	Procedure	ICD-10-PCS
DF033Z0	Beam Radiation of Pancreas using Electrons, Intraoperative	Procedure	ICD-10-PCS
DF033ZZ	Beam Radiation of Pancreas using Electrons	Procedure	ICD-10-PCS
DF034ZZ	Beam Radiation of Pancreas using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DF035ZZ	Beam Radiation of Pancreas using Neutrons	Procedure	ICD-10-PCS
DF036ZZ	Beam Radiation of Pancreas using Neutron Capture	Procedure	ICD-10-PCS
DF1	Radiation Therapy, Hepatobiliary System and Pancreas, Brachytherapy	Procedure	ICD-10-PCS
DF2	Radiation Therapy, Hepatobiliary System and Pancreas, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DFY	Radiation Therapy, Hepatobiliary System and Pancreas, Other Radiation	Procedure	ICD-10-PCS
DFY0	Other Radiation / Liver	Procedure	ICD-10-PCS
DFY07ZZ	Contact Radiation of Liver	Procedure	ICD-10-PCS
DFY0CZZ	Intraoperative Radiation Therapy (IORT) of Liver	Procedure	ICD-10-PCS
DFY0FZZ	Plaque Radiation of Liver	Procedure	ICD-10-PCS
DFY1	Other Radiation / Gallbladder	Procedure	ICD-10-PCS
DFY17ZZ	Contact Radiation of Gallbladder	Procedure	ICD-10-PCS
DFY1CZZ	Intraoperative Radiation Therapy (IORT) of Gallbladder	Procedure	ICD-10-PCS
DFY1FZZ	Plaque Radiation of Gallbladder	Procedure	ICD-10-PCS
DFY2	Other Radiation / Bile Ducts	Procedure	ICD-10-PCS
DFY27ZZ	Contact Radiation of Bile Ducts	Procedure	ICD-10-PCS
DFY2CZZ	Intraoperative Radiation Therapy (IORT) of Bile Ducts	Procedure	ICD-10-PCS
DFY2FZZ	Plaque Radiation of Bile Ducts	Procedure	ICD-10-PCS
DFY3	Other Radiation / Pancreas	Procedure	ICD-10-PCS
DFY37ZZ	Contact Radiation of Pancreas	Procedure	ICD-10-PCS
DFY3CZZ	Intraoperative Radiation Therapy (IORT) of Pancreas	Procedure	ICD-10-PCS
DFY3FZZ	Plaque Radiation of Pancreas	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DG0	Radiation Therapy, Endocrine System, Beam Radiation	Procedure	ICD-10-PCS
DG00	Beam Radiation / Pituitary Gland	Procedure	ICD-10-PCS
DG000ZZ	Beam Radiation of Pituitary Gland using Photons <1 MeV	Procedure	ICD-10-PCS
DG001ZZ	Beam Radiation of Pituitary Gland using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG002ZZ	Beam Radiation of Pituitary Gland using Photons >10 MeV	Procedure	ICD-10-PCS
DG003Z0	Beam Radiation of Pituitary Gland using Electrons, Intraoperative	Procedure	ICD-10-PCS
DG003ZZ	Beam Radiation of Pituitary Gland using Electrons	Procedure	ICD-10-PCS
DG005ZZ	Beam Radiation of Pituitary Gland using Neutrons	Procedure	ICD-10-PCS
DG006ZZ	Beam Radiation of Pituitary Gland using Neutron Capture	Procedure	ICD-10-PCS
DG01	Beam Radiation / Pineal Body	Procedure	ICD-10-PCS
DG010ZZ	Beam Radiation of Pineal Body using Photons <1 MeV	Procedure	ICD-10-PCS
DG011ZZ	Beam Radiation of Pineal Body using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG012ZZ	Beam Radiation of Pineal Body using Photons >10 MeV	Procedure	ICD-10-PCS
DG013Z0	Beam Radiation of Pineal Body using Electrons, Intraoperative	Procedure	ICD-10-PCS
DG013ZZ	Beam Radiation of Pineal Body using Electrons	Procedure	ICD-10-PCS
DG015ZZ	Beam Radiation of Pineal Body using Neutrons	Procedure	ICD-10-PCS
DG016ZZ	Beam Radiation of Pineal Body using Neutron Capture	Procedure	ICD-10-PCS
DG02	Beam Radiation / Adrenal Glands	Procedure	ICD-10-PCS
DG020ZZ	Beam Radiation of Adrenal Glands using Photons <1 MeV	Procedure	ICD-10-PCS
DG021ZZ	Beam Radiation of Adrenal Glands using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG022ZZ	Beam Radiation of Adrenal Glands using Photons >10 MeV	Procedure	ICD-10-PCS
DG023Z0	Beam Radiation of Adrenal Glands using Electrons, Intraoperative	Procedure	ICD-10-PCS
DG023ZZ	Beam Radiation of Adrenal Glands using Electrons	Procedure	ICD-10-PCS
DG025ZZ	Beam Radiation of Adrenal Glands using Neutrons	Procedure	ICD-10-PCS
DG026ZZ	Beam Radiation of Adrenal Glands using Neutron Capture	Procedure	ICD-10-PCS
DG04	Beam Radiation / Parathyroid Glands	Procedure	ICD-10-PCS
DG040ZZ	Beam Radiation of Parathyroid Glands using Photons <1 MeV	Procedure	ICD-10-PCS
DG041ZZ	Beam Radiation of Parathyroid Glands using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG042ZZ	Beam Radiation of Parathyroid Glands using Photons >10 MeV	Procedure	ICD-10-PCS
DG043Z0	Beam Radiation of Parathyroid Glands using Electrons, Intraoperative	Procedure	ICD-10-PCS
DG043ZZ	Beam Radiation of Parathyroid Glands using Electrons	Procedure	ICD-10-PCS
DG045ZZ	Beam Radiation of Parathyroid Glands using Neutrons	Procedure	ICD-10-PCS
DG046ZZ	Beam Radiation of Parathyroid Glands using Neutron Capture	Procedure	ICD-10-PCS
DG05	Beam Radiation / Thyroid	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DG050ZZ	Beam Radiation of Thyroid using Photons <1 MeV	Procedure	ICD-10-PCS
DG051ZZ	Beam Radiation of Thyroid using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DG052ZZ	Beam Radiation of Thyroid using Photons >10 MeV	Procedure	ICD-10-PCS
DG053Z0	Beam Radiation of Thyroid using Electrons, Intraoperative	Procedure	ICD-10-PCS
DG053ZZ	Beam Radiation of Thyroid using Electrons	Procedure	ICD-10-PCS
DG055ZZ	Beam Radiation of Thyroid using Neutrons	Procedure	ICD-10-PCS
DG056ZZ	Beam Radiation of Thyroid using Neutron Capture	Procedure	ICD-10-PCS
DG1	Radiation Therapy, Endocrine System, Brachytherapy	Procedure	ICD-10-PCS
DG2	Radiation Therapy, Endocrine System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DGY	Radiation Therapy, Endocrine System, Other Radiation	Procedure	ICD-10-PCS
DGY0	Other Radiation / Pituitary Gland	Procedure	ICD-10-PCS
DGY07ZZ	Contact Radiation of Pituitary Gland	Procedure	ICD-10-PCS
DGY0FZZ	Plaque Radiation of Pituitary Gland	Procedure	ICD-10-PCS
DGY1	Other Radiation / Pineal Body	Procedure	ICD-10-PCS
DGY17ZZ	Contact Radiation of Pineal Body	Procedure	ICD-10-PCS
DGY1FZZ	Plaque Radiation of Pineal Body	Procedure	ICD-10-PCS
DGY2	Other Radiation / Adrenal Glands	Procedure	ICD-10-PCS
DGY27ZZ	Contact Radiation of Adrenal Glands	Procedure	ICD-10-PCS
DGY2FZZ	Plaque Radiation of Adrenal Glands	Procedure	ICD-10-PCS
DGY4	Other Radiation / Parathyroid Glands	Procedure	ICD-10-PCS
DGY47ZZ	Contact Radiation of Parathyroid Glands	Procedure	ICD-10-PCS
DGY4FZZ	Plaque Radiation of Parathyroid Glands	Procedure	ICD-10-PCS
DGY5	Other Radiation / Thyroid	Procedure	ICD-10-PCS
DGY57ZZ	Contact Radiation of Thyroid	Procedure	ICD-10-PCS
DGY5FZZ	Plaque Radiation of Thyroid	Procedure	ICD-10-PCS
DH0	Radiation Therapy, Skin, Beam Radiation	Procedure	ICD-10-PCS
DH02	Beam Radiation / Skin, Face	Procedure	ICD-10-PCS
DH020ZZ	Beam Radiation of Face Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH021ZZ	Beam Radiation of Face Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH022ZZ	Beam Radiation of Face Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH023Z0	Beam Radiation of Face Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH023ZZ	Beam Radiation of Face Skin using Electrons	Procedure	ICD-10-PCS
DH024ZZ	Beam Radiation of Face Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH025ZZ	Beam Radiation of Face Skin using Neutrons	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DH026ZZ	Beam Radiation of Face Skin using Neutron Capture	Procedure	ICD-10-PCS
DH03	Beam Radiation / Skin, Neck	Procedure	ICD-10-PCS
DH030ZZ	Beam Radiation of Neck Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH031ZZ	Beam Radiation of Neck Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH032ZZ	Beam Radiation of Neck Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH033Z0	Beam Radiation of Neck Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH033ZZ	Beam Radiation of Neck Skin using Electrons	Procedure	ICD-10-PCS
DH034ZZ	Beam Radiation of Neck Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH035ZZ	Beam Radiation of Neck Skin using Neutrons	Procedure	ICD-10-PCS
DH036ZZ	Beam Radiation of Neck Skin using Neutron Capture	Procedure	ICD-10-PCS
DH04	Beam Radiation / Skin, Arm	Procedure	ICD-10-PCS
DH040ZZ	Beam Radiation of Arm Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH041ZZ	Beam Radiation of Arm Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH042ZZ	Beam Radiation of Arm Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH043Z0	Beam Radiation of Arm Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH043ZZ	Beam Radiation of Arm Skin using Electrons	Procedure	ICD-10-PCS
DH044ZZ	Beam Radiation of Arm Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH045ZZ	Beam Radiation of Arm Skin using Neutrons	Procedure	ICD-10-PCS
DH046ZZ	Beam Radiation of Arm Skin using Neutron Capture	Procedure	ICD-10-PCS
DH06	Beam Radiation / Skin, Chest	Procedure	ICD-10-PCS
DH060ZZ	Beam Radiation of Chest Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH061ZZ	Beam Radiation of Chest Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH062ZZ	Beam Radiation of Chest Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH063Z0	Beam Radiation of Chest Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH063ZZ	Beam Radiation of Chest Skin using Electrons	Procedure	ICD-10-PCS
DH064ZZ	Beam Radiation of Chest Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH065ZZ	Beam Radiation of Chest Skin using Neutrons	Procedure	ICD-10-PCS
DH066ZZ	Beam Radiation of Chest Skin using Neutron Capture	Procedure	ICD-10-PCS
DH07	Beam Radiation / Skin, Back	Procedure	ICD-10-PCS
DH070ZZ	Beam Radiation of Back Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH071ZZ	Beam Radiation of Back Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH072ZZ	Beam Radiation of Back Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH073Z0	Beam Radiation of Back Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH073ZZ	Beam Radiation of Back Skin using Electrons	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DH074ZZ	Beam Radiation of Back Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH075ZZ	Beam Radiation of Back Skin using Neutrons	Procedure	ICD-10-PCS
DH076ZZ	Beam Radiation of Back Skin using Neutron Capture	Procedure	ICD-10-PCS
DH08	Beam Radiation / Skin, Abdomen	Procedure	ICD-10-PCS
DH080ZZ	Beam Radiation of Abdomen Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH081ZZ	Beam Radiation of Abdomen Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH082ZZ	Beam Radiation of Abdomen Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH083Z0	Beam Radiation of Abdomen Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH083ZZ	Beam Radiation of Abdomen Skin using Electrons	Procedure	ICD-10-PCS
DH084ZZ	Beam Radiation of Abdomen Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH085ZZ	Beam Radiation of Abdomen Skin using Neutrons	Procedure	ICD-10-PCS
DH086ZZ	Beam Radiation of Abdomen Skin using Neutron Capture	Procedure	ICD-10-PCS
DH09	Beam Radiation / Skin, Buttock	Procedure	ICD-10-PCS
DH090ZZ	Beam Radiation of Buttock Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH091ZZ	Beam Radiation of Buttock Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH092ZZ	Beam Radiation of Buttock Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH093Z0	Beam Radiation of Buttock Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH093ZZ	Beam Radiation of Buttock Skin using Electrons	Procedure	ICD-10-PCS
DH094ZZ	Beam Radiation of Buttock Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH095ZZ	Beam Radiation of Buttock Skin using Neutrons	Procedure	ICD-10-PCS
DH096ZZ	Beam Radiation of Buttock Skin using Neutron Capture	Procedure	ICD-10-PCS
DH0B	Beam Radiation / Skin, Leg	Procedure	ICD-10-PCS
DH0B0ZZ	Beam Radiation of Leg Skin using Photons <1 MeV	Procedure	ICD-10-PCS
DH0B1ZZ	Beam Radiation of Leg Skin using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DH0B2ZZ	Beam Radiation of Leg Skin using Photons >10 MeV	Procedure	ICD-10-PCS
DH0B3Z0	Beam Radiation of Leg Skin using Electrons, Intraoperative	Procedure	ICD-10-PCS
DH0B3ZZ	Beam Radiation of Leg Skin using Electrons	Procedure	ICD-10-PCS
DH0B4ZZ	Beam Radiation of Leg Skin using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DH0B5ZZ	Beam Radiation of Leg Skin using Neutrons	Procedure	ICD-10-PCS
DH0B6ZZ	Beam Radiation of Leg Skin using Neutron Capture	Procedure	ICD-10-PCS
DHY	Radiation Therapy, Skin, Other Radiation	Procedure	ICD-10-PCS
DHY2	Other Radiation / Skin, Face	Procedure	ICD-10-PCS
DHY27ZZ	Contact Radiation of Face Skin	Procedure	ICD-10-PCS
DHY2FZZ	Plaque Radiation of Face Skin	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DHY3	Other Radiation / Skin, Neck	Procedure	ICD-10-PCS
DHY37ZZ	Contact Radiation of Neck Skin	Procedure	ICD-10-PCS
DHY3FZZ	Plaque Radiation of Neck Skin	Procedure	ICD-10-PCS
DHY4	Other Radiation / Skin, Arm	Procedure	ICD-10-PCS
DHY47ZZ	Contact Radiation of Arm Skin	Procedure	ICD-10-PCS
DHY4FZZ	Plaque Radiation of Arm Skin	Procedure	ICD-10-PCS
DHY5	Other Radiation / Skin, Hand	Procedure	ICD-10-PCS
DHY5FZZ	Plaque Radiation of Hand Skin	Procedure	ICD-10-PCS
DHY6	Other Radiation / Skin, Chest	Procedure	ICD-10-PCS
DHY67ZZ	Contact Radiation of Chest Skin	Procedure	ICD-10-PCS
DHY6FZZ	Plaque Radiation of Chest Skin	Procedure	ICD-10-PCS
DHY7	Other Radiation / Skin, Back	Procedure	ICD-10-PCS
DHY77ZZ	Contact Radiation of Back Skin	Procedure	ICD-10-PCS
DHY7FZZ	Plaque Radiation of Back Skin	Procedure	ICD-10-PCS
DHY8	Other Radiation / Skin, Abdomen	Procedure	ICD-10-PCS
DHY87ZZ	Contact Radiation of Abdomen Skin	Procedure	ICD-10-PCS
DHY8FZZ	Plaque Radiation of Abdomen Skin	Procedure	ICD-10-PCS
DHY9	Other Radiation / Skin, Buttock	Procedure	ICD-10-PCS
DHY97ZZ	Contact Radiation of Buttock Skin	Procedure	ICD-10-PCS
DHY9FZZ	Plaque Radiation of Buttock Skin	Procedure	ICD-10-PCS
DHYB	Other Radiation / Skin, Leg	Procedure	ICD-10-PCS
DHYB7ZZ	Contact Radiation of Leg Skin	Procedure	ICD-10-PCS
DHYBFZZ	Plaque Radiation of Leg Skin	Procedure	ICD-10-PCS
DHYC	Other Radiation / Skin, Foot	Procedure	ICD-10-PCS
DHYCFZZ	Plaque Radiation of Foot Skin	Procedure	ICD-10-PCS
DM0	Radiation Therapy, Breast, Beam Radiation	Procedure	ICD-10-PCS
DM00	Beam Radiation / Breast, Left	Procedure	ICD-10-PCS
DM000ZZ	Beam Radiation of Left Breast using Photons <1 MeV	Procedure	ICD-10-PCS
DM001ZZ	Beam Radiation of Left Breast using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DM002ZZ	Beam Radiation of Left Breast using Photons >10 MeV	Procedure	ICD-10-PCS
DM003Z0	Beam Radiation of Left Breast using Electrons, Intraoperative	Procedure	ICD-10-PCS
DM003ZZ	Beam Radiation of Left Breast using Electrons	Procedure	ICD-10-PCS
DM004ZZ	Beam Radiation of Left Breast using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DM005ZZ	Beam Radiation of Left Breast using Neutrons	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DM006ZZ	Beam Radiation of Left Breast using Neutron Capture	Procedure	ICD-10-PCS
DM01	Beam Radiation / Breast, Right	Procedure	ICD-10-PCS
DM010ZZ	Beam Radiation of Right Breast using Photons <1 MeV	Procedure	ICD-10-PCS
DM011ZZ	Beam Radiation of Right Breast using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DM012ZZ	Beam Radiation of Right Breast using Photons >10 MeV	Procedure	ICD-10-PCS
DM013Z0	Beam Radiation of Right Breast using Electrons, Intraoperative	Procedure	ICD-10-PCS
DM013ZZ	Beam Radiation of Right Breast using Electrons	Procedure	ICD-10-PCS
DM014ZZ	Beam Radiation of Right Breast using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DM015ZZ	Beam Radiation of Right Breast using Neutrons	Procedure	ICD-10-PCS
DM016ZZ	Beam Radiation of Right Breast using Neutron Capture	Procedure	ICD-10-PCS
DM1	Radiation Therapy, Breast, Brachytherapy	Procedure	ICD-10-PCS
DM2	Radiation Therapy, Breast, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DMY	Radiation Therapy, Breast, Other Radiation	Procedure	ICD-10-PCS
DMY0	Other Radiation / Breast, Left	Procedure	ICD-10-PCS
DMY07ZZ	Contact Radiation of Left Breast	Procedure	ICD-10-PCS
DMY0FZZ	Plaque Radiation of Left Breast	Procedure	ICD-10-PCS
DMY1	Other Radiation / Breast, Right	Procedure	ICD-10-PCS
DMY17ZZ	Contact Radiation of Right Breast	Procedure	ICD-10-PCS
DMY1FZZ	Plaque Radiation of Right Breast	Procedure	ICD-10-PCS
DP0	Radiation Therapy, Musculoskeletal System, Beam Radiation	Procedure	ICD-10-PCS
DP00	Beam Radiation / Skull	Procedure	ICD-10-PCS
DP000ZZ	Beam Radiation of Skull using Photons <1 MeV	Procedure	ICD-10-PCS
DP001ZZ	Beam Radiation of Skull using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP002ZZ	Beam Radiation of Skull using Photons >10 MeV	Procedure	ICD-10-PCS
DP003Z0	Beam Radiation of Skull using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP003ZZ	Beam Radiation of Skull using Electrons	Procedure	ICD-10-PCS
DP004ZZ	Beam Radiation of Skull using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP005ZZ	Beam Radiation of Skull using Neutrons	Procedure	ICD-10-PCS
DP006ZZ	Beam Radiation of Skull using Neutron Capture	Procedure	ICD-10-PCS
DP02	Beam Radiation / Maxilla	Procedure	ICD-10-PCS
DP020ZZ	Beam Radiation of Maxilla using Photons <1 MeV	Procedure	ICD-10-PCS
DP021ZZ	Beam Radiation of Maxilla using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP022ZZ	Beam Radiation of Maxilla using Photons >10 MeV	Procedure	ICD-10-PCS
DP023Z0	Beam Radiation of Maxilla using Electrons, Intraoperative	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DP023ZZ	Beam Radiation of Maxilla using Electrons	Procedure	ICD-10-PCS
DP024ZZ	Beam Radiation of Maxilla using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP025ZZ	Beam Radiation of Maxilla using Neutrons	Procedure	ICD-10-PCS
DP026ZZ	Beam Radiation of Maxilla using Neutron Capture	Procedure	ICD-10-PCS
DP03	Beam Radiation / Mandible	Procedure	ICD-10-PCS
DP030ZZ	Beam Radiation of Mandible using Photons <1 MeV	Procedure	ICD-10-PCS
DP031ZZ	Beam Radiation of Mandible using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP032ZZ	Beam Radiation of Mandible using Photons >10 MeV	Procedure	ICD-10-PCS
DP033Z0	Beam Radiation of Mandible using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP033ZZ	Beam Radiation of Mandible using Electrons	Procedure	ICD-10-PCS
DP034ZZ	Beam Radiation of Mandible using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP035ZZ	Beam Radiation of Mandible using Neutrons	Procedure	ICD-10-PCS
DP036ZZ	Beam Radiation of Mandible using Neutron Capture	Procedure	ICD-10-PCS
DP04	Beam Radiation / Sternum	Procedure	ICD-10-PCS
DP040ZZ	Beam Radiation of Sternum using Photons <1 MeV	Procedure	ICD-10-PCS
DP041ZZ	Beam Radiation of Sternum using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP042ZZ	Beam Radiation of Sternum using Photons >10 MeV	Procedure	ICD-10-PCS
DP043Z0	Beam Radiation of Sternum using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP043ZZ	Beam Radiation of Sternum using Electrons	Procedure	ICD-10-PCS
DP044ZZ	Beam Radiation of Sternum using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP045ZZ	Beam Radiation of Sternum using Neutrons	Procedure	ICD-10-PCS
DP046ZZ	Beam Radiation of Sternum using Neutron Capture	Procedure	ICD-10-PCS
DP05	Beam Radiation / Rib(s)	Procedure	ICD-10-PCS
DP050ZZ	Beam Radiation of Rib(s) using Photons <1 MeV	Procedure	ICD-10-PCS
DP051ZZ	Beam Radiation of Rib(s) using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP052ZZ	Beam Radiation of Rib(s) using Photons >10 MeV	Procedure	ICD-10-PCS
DP053Z0	Beam Radiation of Rib(s) using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP053ZZ	Beam Radiation of Rib(s) using Electrons	Procedure	ICD-10-PCS
DP054ZZ	Beam Radiation of Rib(s) using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP055ZZ	Beam Radiation of Rib(s) using Neutrons	Procedure	ICD-10-PCS
DP056ZZ	Beam Radiation of Rib(s) using Neutron Capture	Procedure	ICD-10-PCS
DP06	Beam Radiation / Humerus	Procedure	ICD-10-PCS
DP060ZZ	Beam Radiation of Humerus using Photons <1 MeV	Procedure	ICD-10-PCS
DP061ZZ	Beam Radiation of Humerus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DP062ZZ	Beam Radiation of Humerus using Photons >10 MeV	Procedure	ICD-10-PCS
DP063Z0	Beam Radiation of Humerus using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP063ZZ	Beam Radiation of Humerus using Electrons	Procedure	ICD-10-PCS
DP064ZZ	Beam Radiation of Humerus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP065ZZ	Beam Radiation of Humerus using Neutrons	Procedure	ICD-10-PCS
DP066ZZ	Beam Radiation of Humerus using Neutron Capture	Procedure	ICD-10-PCS
DP07	Beam Radiation / Radius/Ulna	Procedure	ICD-10-PCS
DP070ZZ	Beam Radiation of Radius/Ulna using Photons <1 MeV	Procedure	ICD-10-PCS
DP071ZZ	Beam Radiation of Radius/Ulna using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP072ZZ	Beam Radiation of Radius/Ulna using Photons >10 MeV	Procedure	ICD-10-PCS
DP073Z0	Beam Radiation of Radius/Ulna using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP073ZZ	Beam Radiation of Radius/Ulna using Electrons	Procedure	ICD-10-PCS
DP074ZZ	Beam Radiation of Radius/Ulna using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP075ZZ	Beam Radiation of Radius/Ulna using Neutrons	Procedure	ICD-10-PCS
DP076ZZ	Beam Radiation of Radius/Ulna using Neutron Capture	Procedure	ICD-10-PCS
DP08	Beam Radiation / Pelvic Bones	Procedure	ICD-10-PCS
DP080ZZ	Beam Radiation of Pelvic Bones using Photons <1 MeV	Procedure	ICD-10-PCS
DP081ZZ	Beam Radiation of Pelvic Bones using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP082ZZ	Beam Radiation of Pelvic Bones using Photons >10 MeV	Procedure	ICD-10-PCS
DP083Z0	Beam Radiation of Pelvic Bones using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP083ZZ	Beam Radiation of Pelvic Bones using Electrons	Procedure	ICD-10-PCS
DP084ZZ	Beam Radiation of Pelvic Bones using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP085ZZ	Beam Radiation of Pelvic Bones using Neutrons	Procedure	ICD-10-PCS
DP086ZZ	Beam Radiation of Pelvic Bones using Neutron Capture	Procedure	ICD-10-PCS
DP09	Beam Radiation / Femur	Procedure	ICD-10-PCS
DP090ZZ	Beam Radiation of Femur using Photons <1 MeV	Procedure	ICD-10-PCS
DP091ZZ	Beam Radiation of Femur using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DP092ZZ	Beam Radiation of Femur using Photons >10 MeV	Procedure	ICD-10-PCS
DP093Z0	Beam Radiation of Femur using Electrons, Intraoperative	Procedure	ICD-10-PCS
DP093ZZ	Beam Radiation of Femur using Electrons	Procedure	ICD-10-PCS
DP094ZZ	Beam Radiation of Femur using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DP095ZZ	Beam Radiation of Femur using Neutrons	Procedure	ICD-10-PCS
DP096ZZ	Beam Radiation of Femur using Neutron Capture	Procedure	ICD-10-PCS
DP0B	Beam Radiation / Tibia/Fibula	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DPOB0ZZ	Beam Radiation of Tibia/Fibula using Photons <1 MeV	Procedure	ICD-10-PCS
DPOB1ZZ	Beam Radiation of Tibia/Fibula using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DPOB2ZZ	Beam Radiation of Tibia/Fibula using Photons >10 MeV	Procedure	ICD-10-PCS
DPOB3Z0	Beam Radiation of Tibia/Fibula using Electrons, Intraoperative	Procedure	ICD-10-PCS
DPOB3ZZ	Beam Radiation of Tibia/Fibula using Electrons	Procedure	ICD-10-PCS
DPOB4ZZ	Beam Radiation of Tibia/Fibula using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DPOB5ZZ	Beam Radiation of Tibia/Fibula using Neutrons	Procedure	ICD-10-PCS
DPOB6ZZ	Beam Radiation of Tibia/Fibula using Neutron Capture	Procedure	ICD-10-PCS
DPOC	Beam Radiation / Other Bone	Procedure	ICD-10-PCS
DPOC0ZZ	Beam Radiation of Other Bone using Photons <1 MeV	Procedure	ICD-10-PCS
DPOC1ZZ	Beam Radiation of Other Bone using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DPOC2ZZ	Beam Radiation of Other Bone using Photons >10 MeV	Procedure	ICD-10-PCS
DPOC3Z0	Beam Radiation of Other Bone using Electrons, Intraoperative	Procedure	ICD-10-PCS
DPOC3ZZ	Beam Radiation of Other Bone using Electrons	Procedure	ICD-10-PCS
DPOC4ZZ	Beam Radiation of Other Bone using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DPOC5ZZ	Beam Radiation of Other Bone using Neutrons	Procedure	ICD-10-PCS
DPOC6ZZ	Beam Radiation of Other Bone using Neutron Capture	Procedure	ICD-10-PCS
DPY	Radiation Therapy, Musculoskeletal System, Other Radiation	Procedure	ICD-10-PCS
DPY0	Other Radiation / Skull	Procedure	ICD-10-PCS
DPY07ZZ	Contact Radiation of Skull	Procedure	ICD-10-PCS
DPY0FZZ	Plaque Radiation of Skull	Procedure	ICD-10-PCS
DPY2	Other Radiation / Maxilla	Procedure	ICD-10-PCS
DPY27ZZ	Contact Radiation of Maxilla	Procedure	ICD-10-PCS
DPY2FZZ	Plaque Radiation of Maxilla	Procedure	ICD-10-PCS
DPY3	Other Radiation / Mandible	Procedure	ICD-10-PCS
DPY37ZZ	Contact Radiation of Mandible	Procedure	ICD-10-PCS
DPY3FZZ	Plaque Radiation of Mandible	Procedure	ICD-10-PCS
DPY4	Other Radiation / Sternum	Procedure	ICD-10-PCS
DPY47ZZ	Contact Radiation of Sternum	Procedure	ICD-10-PCS
DPY4FZZ	Plaque Radiation of Sternum	Procedure	ICD-10-PCS
DPY5	Other Radiation / Rib(s)	Procedure	ICD-10-PCS
DPY57ZZ	Contact Radiation of Rib(s)	Procedure	ICD-10-PCS
DPY5FZZ	Plaque Radiation of Rib(s)	Procedure	ICD-10-PCS
DPY6	Other Radiation / Humerus	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DPY67ZZ	Contact Radiation of Humerus	Procedure	ICD-10-PCS
DPY6FZZ	Plaque Radiation of Humerus	Procedure	ICD-10-PCS
DPY7	Other Radiation / Radius/Ulna	Procedure	ICD-10-PCS
DPY77ZZ	Contact Radiation of Radius/Ulna	Procedure	ICD-10-PCS
DPY7FZZ	Plaque Radiation of Radius/Ulna	Procedure	ICD-10-PCS
DPY8	Other Radiation / Pelvic Bones	Procedure	ICD-10-PCS
DPY87ZZ	Contact Radiation of Pelvic Bones	Procedure	ICD-10-PCS
DPY8FZZ	Plaque Radiation of Pelvic Bones	Procedure	ICD-10-PCS
DPY9	Other Radiation / Femur	Procedure	ICD-10-PCS
DPY97ZZ	Contact Radiation of Femur	Procedure	ICD-10-PCS
DPY9FZZ	Plaque Radiation of Femur	Procedure	ICD-10-PCS
DPYB	Other Radiation / Tibia/Fibula	Procedure	ICD-10-PCS
DPYB7ZZ	Contact Radiation of Tibia/Fibula	Procedure	ICD-10-PCS
DPYBFZZ	Plaque Radiation of Tibia/Fibula	Procedure	ICD-10-PCS
DPYC	Other Radiation / Other Bone	Procedure	ICD-10-PCS
DPYC7ZZ	Contact Radiation of Other Bone	Procedure	ICD-10-PCS
DPYCFZZ	Plaque Radiation of Other Bone	Procedure	ICD-10-PCS
DT0	Radiation Therapy, Urinary System, Beam Radiation	Procedure	ICD-10-PCS
DT00	Beam Radiation / Kidney	Procedure	ICD-10-PCS
DT000ZZ	Beam Radiation of Kidney using Photons <1 MeV	Procedure	ICD-10-PCS
DT001ZZ	Beam Radiation of Kidney using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT002ZZ	Beam Radiation of Kidney using Photons >10 MeV	Procedure	ICD-10-PCS
DT003Z0	Beam Radiation of Kidney using Electrons, Intraoperative	Procedure	ICD-10-PCS
DT003ZZ	Beam Radiation of Kidney using Electrons	Procedure	ICD-10-PCS
DT004ZZ	Beam Radiation of Kidney using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DT005ZZ	Beam Radiation of Kidney using Neutrons	Procedure	ICD-10-PCS
DT006ZZ	Beam Radiation of Kidney using Neutron Capture	Procedure	ICD-10-PCS
DT01	Beam Radiation / Ureter	Procedure	ICD-10-PCS
DT010ZZ	Beam Radiation of Ureter using Photons <1 MeV	Procedure	ICD-10-PCS
DT011ZZ	Beam Radiation of Ureter using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT012ZZ	Beam Radiation of Ureter using Photons >10 MeV	Procedure	ICD-10-PCS
DT013Z0	Beam Radiation of Ureter using Electrons, Intraoperative	Procedure	ICD-10-PCS
DT013ZZ	Beam Radiation of Ureter using Electrons	Procedure	ICD-10-PCS
DT014ZZ	Beam Radiation of Ureter using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DT015ZZ	Beam Radiation of Ureter using Neutrons	Procedure	ICD-10-PCS
DT016ZZ	Beam Radiation of Ureter using Neutron Capture	Procedure	ICD-10-PCS
DT02	Beam Radiation / Bladder	Procedure	ICD-10-PCS
DT020ZZ	Beam Radiation of Bladder using Photons <1 MeV	Procedure	ICD-10-PCS
DT021ZZ	Beam Radiation of Bladder using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT022ZZ	Beam Radiation of Bladder using Photons >10 MeV	Procedure	ICD-10-PCS
DT023Z0	Beam Radiation of Bladder using Electrons, Intraoperative	Procedure	ICD-10-PCS
DT023ZZ	Beam Radiation of Bladder using Electrons	Procedure	ICD-10-PCS
DT024ZZ	Beam Radiation of Bladder using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DT025ZZ	Beam Radiation of Bladder using Neutrons	Procedure	ICD-10-PCS
DT026ZZ	Beam Radiation of Bladder using Neutron Capture	Procedure	ICD-10-PCS
DT03	Beam Radiation / Urethra	Procedure	ICD-10-PCS
DT030ZZ	Beam Radiation of Urethra using Photons <1 MeV	Procedure	ICD-10-PCS
DT031ZZ	Beam Radiation of Urethra using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DT032ZZ	Beam Radiation of Urethra using Photons >10 MeV	Procedure	ICD-10-PCS
DT033Z0	Beam Radiation of Urethra using Electrons, Intraoperative	Procedure	ICD-10-PCS
DT033ZZ	Beam Radiation of Urethra using Electrons	Procedure	ICD-10-PCS
DT034ZZ	Beam Radiation of Urethra using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DT035ZZ	Beam Radiation of Urethra using Neutrons	Procedure	ICD-10-PCS
DT036ZZ	Beam Radiation of Urethra using Neutron Capture	Procedure	ICD-10-PCS
DT1	Radiation Therapy, Urinary System, Brachytherapy	Procedure	ICD-10-PCS
DT2	Radiation Therapy, Urinary System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DTY	Radiation Therapy, Urinary System, Other Radiation	Procedure	ICD-10-PCS
DTY0	Other Radiation / Kidney	Procedure	ICD-10-PCS
DTY07ZZ	Contact Radiation of Kidney	Procedure	ICD-10-PCS
DTY0CZZ	Intraoperative Radiation Therapy (IORT) of Kidney	Procedure	ICD-10-PCS
DTY0FZZ	Plaque Radiation of Kidney	Procedure	ICD-10-PCS
DTY1	Other Radiation / Ureter	Procedure	ICD-10-PCS
DTY17ZZ	Contact Radiation of Ureter	Procedure	ICD-10-PCS
DTY1CZZ	Intraoperative Radiation Therapy (IORT) of Ureter	Procedure	ICD-10-PCS
DTY1FZZ	Plaque Radiation of Ureter	Procedure	ICD-10-PCS
DTY2	Other Radiation / Bladder	Procedure	ICD-10-PCS
DTY27ZZ	Contact Radiation of Bladder	Procedure	ICD-10-PCS
DTY2CZZ	Intraoperative Radiation Therapy (IORT) of Bladder	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DTY2FZZ	Plaque Radiation of Bladder	Procedure	ICD-10-PCS
DTY3	Other Radiation / Urethra	Procedure	ICD-10-PCS
DTY37ZZ	Contact Radiation of Urethra	Procedure	ICD-10-PCS
DTY3CZZ	Intraoperative Radiation Therapy (IORT) of Urethra	Procedure	ICD-10-PCS
DTY3FZZ	Plaque Radiation of Urethra	Procedure	ICD-10-PCS
DU0	Radiation Therapy, Female Reproductive System, Beam Radiation	Procedure	ICD-10-PCS
DU00	Beam Radiation / Ovary	Procedure	ICD-10-PCS
DU000ZZ	Beam Radiation of Ovary using Photons <1 MeV	Procedure	ICD-10-PCS
DU001ZZ	Beam Radiation of Ovary using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DU002ZZ	Beam Radiation of Ovary using Photons >10 MeV	Procedure	ICD-10-PCS
DU003Z0	Beam Radiation of Ovary using Electrons, Intraoperative	Procedure	ICD-10-PCS
DU003ZZ	Beam Radiation of Ovary using Electrons	Procedure	ICD-10-PCS
DU004ZZ	Beam Radiation of Ovary using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DU005ZZ	Beam Radiation of Ovary using Neutrons	Procedure	ICD-10-PCS
DU006ZZ	Beam Radiation of Ovary using Neutron Capture	Procedure	ICD-10-PCS
DU01	Beam Radiation / Cervix	Procedure	ICD-10-PCS
DU010ZZ	Beam Radiation of Cervix using Photons <1 MeV	Procedure	ICD-10-PCS
DU011ZZ	Beam Radiation of Cervix using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DU012ZZ	Beam Radiation of Cervix using Photons >10 MeV	Procedure	ICD-10-PCS
DU013Z0	Beam Radiation of Cervix using Electrons, Intraoperative	Procedure	ICD-10-PCS
DU013ZZ	Beam Radiation of Cervix using Electrons	Procedure	ICD-10-PCS
DU014ZZ	Beam Radiation of Cervix using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DU015ZZ	Beam Radiation of Cervix using Neutrons	Procedure	ICD-10-PCS
DU016ZZ	Beam Radiation of Cervix using Neutron Capture	Procedure	ICD-10-PCS
DU02	Beam Radiation / Uterus	Procedure	ICD-10-PCS
DU020ZZ	Beam Radiation of Uterus using Photons <1 MeV	Procedure	ICD-10-PCS
DU021ZZ	Beam Radiation of Uterus using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DU022ZZ	Beam Radiation of Uterus using Photons >10 MeV	Procedure	ICD-10-PCS
DU023Z0	Beam Radiation of Uterus using Electrons, Intraoperative	Procedure	ICD-10-PCS
DU023ZZ	Beam Radiation of Uterus using Electrons	Procedure	ICD-10-PCS
DU024ZZ	Beam Radiation of Uterus using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DU025ZZ	Beam Radiation of Uterus using Neutrons	Procedure	ICD-10-PCS
DU026ZZ	Beam Radiation of Uterus using Neutron Capture	Procedure	ICD-10-PCS
DU1	Radiation Therapy, Female Reproductive System, Brachytherapy	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DU2	Radiation Therapy, Female Reproductive System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DUY	Radiation Therapy, Female Reproductive System, Other Radiation	Procedure	ICD-10-PCS
DUY0	Other Radiation / Ovary	Procedure	ICD-10-PCS
DUY07ZZ	Contact Radiation of Ovary	Procedure	ICD-10-PCS
DUY0CZZ	Intraoperative Radiation Therapy (IORT) of Ovary	Procedure	ICD-10-PCS
DUY0FZZ	Plaque Radiation of Ovary	Procedure	ICD-10-PCS
DUY1	Other Radiation / Cervix	Procedure	ICD-10-PCS
DUY17ZZ	Contact Radiation of Cervix	Procedure	ICD-10-PCS
DUY1CZZ	Intraoperative Radiation Therapy (IORT) of Cervix	Procedure	ICD-10-PCS
DUY1FZZ	Plaque Radiation of Cervix	Procedure	ICD-10-PCS
DUY2	Other Radiation / Uterus	Procedure	ICD-10-PCS
DUY27ZZ	Contact Radiation of Uterus	Procedure	ICD-10-PCS
DUY2CZZ	Intraoperative Radiation Therapy (IORT) of Uterus	Procedure	ICD-10-PCS
DUY2FZZ	Plaque Radiation of Uterus	Procedure	ICD-10-PCS
DV0	Radiation Therapy, Male Reproductive System, Beam Radiation	Procedure	ICD-10-PCS
DV00	Beam Radiation / Prostate	Procedure	ICD-10-PCS
DV000ZZ	Beam Radiation of Prostate using Photons <1 MeV	Procedure	ICD-10-PCS
DV001ZZ	Beam Radiation of Prostate using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DV002ZZ	Beam Radiation of Prostate using Photons >10 MeV	Procedure	ICD-10-PCS
DV003Z0	Beam Radiation of Prostate using Electrons, Intraoperative	Procedure	ICD-10-PCS
DV003ZZ	Beam Radiation of Prostate using Electrons	Procedure	ICD-10-PCS
DV004ZZ	Beam Radiation of Prostate using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DV005ZZ	Beam Radiation of Prostate using Neutrons	Procedure	ICD-10-PCS
DV006ZZ	Beam Radiation of Prostate using Neutron Capture	Procedure	ICD-10-PCS
DV01	Beam Radiation / Testis	Procedure	ICD-10-PCS
DV010ZZ	Beam Radiation of Testis using Photons <1 MeV	Procedure	ICD-10-PCS
DV011ZZ	Beam Radiation of Testis using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DV012ZZ	Beam Radiation of Testis using Photons >10 MeV	Procedure	ICD-10-PCS
DV013Z0	Beam Radiation of Testis using Electrons, Intraoperative	Procedure	ICD-10-PCS
DV013ZZ	Beam Radiation of Testis using Electrons	Procedure	ICD-10-PCS
DV014ZZ	Beam Radiation of Testis using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DV015ZZ	Beam Radiation of Testis using Neutrons	Procedure	ICD-10-PCS
DV016ZZ	Beam Radiation of Testis using Neutron Capture	Procedure	ICD-10-PCS
DV1	Radiation Therapy, Male Reproductive System, Brachytherapy	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DV2	Radiation Therapy, Male Reproductive System, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DVY	Radiation Therapy, Male Reproductive System, Other Radiation	Procedure	ICD-10-PCS
DVY0	Other Radiation / Prostate	Procedure	ICD-10-PCS
DVY07ZZ	Contact Radiation of Prostate	Procedure	ICD-10-PCS
DVY0CZZ	Intraoperative Radiation Therapy (IORT) of Prostate	Procedure	ICD-10-PCS
DVY0FZZ	Plaque Radiation of Prostate	Procedure	ICD-10-PCS
DVY1	Other Radiation / Testis	Procedure	ICD-10-PCS
DVY17ZZ	Contact Radiation of Testis	Procedure	ICD-10-PCS
DVY1FZZ	Plaque Radiation of Testis	Procedure	ICD-10-PCS
DW0	Radiation Therapy, Anatomical Regions, Beam Radiation	Procedure	ICD-10-PCS
DW01	Beam Radiation / Head and Neck	Procedure	ICD-10-PCS
DW010ZZ	Beam Radiation of Head and Neck using Photons <1 MeV	Procedure	ICD-10-PCS
DW011ZZ	Beam Radiation of Head and Neck using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW012ZZ	Beam Radiation of Head and Neck using Photons >10 MeV	Procedure	ICD-10-PCS
DW013Z0	Beam Radiation of Head and Neck using Electrons, Intraoperative	Procedure	ICD-10-PCS
DW013ZZ	Beam Radiation of Head and Neck using Electrons	Procedure	ICD-10-PCS
DW014ZZ	Beam Radiation of Head and Neck using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW015ZZ	Beam Radiation of Head and Neck using Neutrons	Procedure	ICD-10-PCS
DW016ZZ	Beam Radiation of Head and Neck using Neutron Capture	Procedure	ICD-10-PCS
DW02	Beam Radiation / Chest	Procedure	ICD-10-PCS
DW020ZZ	Beam Radiation of Chest using Photons <1 MeV	Procedure	ICD-10-PCS
DW021ZZ	Beam Radiation of Chest using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW022ZZ	Beam Radiation of Chest using Photons >10 MeV	Procedure	ICD-10-PCS
DW023Z0	Beam Radiation of Chest using Electrons, Intraoperative	Procedure	ICD-10-PCS
DW023ZZ	Beam Radiation of Chest using Electrons	Procedure	ICD-10-PCS
DW024ZZ	Beam Radiation of Chest using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW025ZZ	Beam Radiation of Chest using Neutrons	Procedure	ICD-10-PCS
DW026ZZ	Beam Radiation of Chest using Neutron Capture	Procedure	ICD-10-PCS
DW03	Beam Radiation / Abdomen	Procedure	ICD-10-PCS
DW030ZZ	Beam Radiation of Abdomen using Photons <1 MeV	Procedure	ICD-10-PCS
DW031ZZ	Beam Radiation of Abdomen using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW032ZZ	Beam Radiation of Abdomen using Photons >10 MeV	Procedure	ICD-10-PCS
DW033Z0	Beam Radiation of Abdomen using Electrons, Intraoperative	Procedure	ICD-10-PCS
DW033ZZ	Beam Radiation of Abdomen using Electrons	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DW034ZZ	Beam Radiation of Abdomen using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW035ZZ	Beam Radiation of Abdomen using Neutrons	Procedure	ICD-10-PCS
DW036ZZ	Beam Radiation of Abdomen using Neutron Capture	Procedure	ICD-10-PCS
DW04	Beam Radiation / Hemibody	Procedure	ICD-10-PCS
DW040ZZ	Beam Radiation of Hemibody using Photons <1 MeV	Procedure	ICD-10-PCS
DW041ZZ	Beam Radiation of Hemibody using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW042ZZ	Beam Radiation of Hemibody using Photons >10 MeV	Procedure	ICD-10-PCS
DW043Z0	Beam Radiation of Hemibody using Electrons, Intraoperative	Procedure	ICD-10-PCS
DW043ZZ	Beam Radiation of Hemibody using Electrons	Procedure	ICD-10-PCS
DW044ZZ	Beam Radiation of Hemibody using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW045ZZ	Beam Radiation of Hemibody using Neutrons	Procedure	ICD-10-PCS
DW046ZZ	Beam Radiation of Hemibody using Neutron Capture	Procedure	ICD-10-PCS
DW05	Beam Radiation / Whole Body	Procedure	ICD-10-PCS
DW050ZZ	Beam Radiation of Whole Body using Photons <1 MeV	Procedure	ICD-10-PCS
DW051ZZ	Beam Radiation of Whole Body using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW052ZZ	Beam Radiation of Whole Body using Photons >10 MeV	Procedure	ICD-10-PCS
DW053Z0	Beam Radiation of Whole Body using Electrons, Intraoperative	Procedure	ICD-10-PCS
DW053ZZ	Beam Radiation of Whole Body using Electrons	Procedure	ICD-10-PCS
DW054ZZ	Beam Radiation of Whole Body using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW055ZZ	Beam Radiation of Whole Body using Neutrons	Procedure	ICD-10-PCS
DW056ZZ	Beam Radiation of Whole Body using Neutron Capture	Procedure	ICD-10-PCS
DW06	Beam Radiation / Pelvic Region	Procedure	ICD-10-PCS
DW060ZZ	Beam Radiation of Pelvic Region using Photons <1 MeV	Procedure	ICD-10-PCS
DW061ZZ	Beam Radiation of Pelvic Region using Photons 1 - 10 MeV	Procedure	ICD-10-PCS
DW062ZZ	Beam Radiation of Pelvic Region using Photons >10 MeV	Procedure	ICD-10-PCS
DW063Z0	Beam Radiation of Pelvic Region using Electrons, Intraoperative	Procedure	ICD-10-PCS
DW063ZZ	Beam Radiation of Pelvic Region using Electrons	Procedure	ICD-10-PCS
DW064ZZ	Beam Radiation of Pelvic Region using Heavy Particles (Protons,Ions)	Procedure	ICD-10-PCS
DW065ZZ	Beam Radiation of Pelvic Region using Neutrons	Procedure	ICD-10-PCS
DW066ZZ	Beam Radiation of Pelvic Region using Neutron Capture	Procedure	ICD-10-PCS
DW1	Radiation Therapy, Anatomical Regions, Brachytherapy	Procedure	ICD-10-PCS
DW2	Radiation Therapy, Anatomical Regions, Stereotactic Radiosurgery	Procedure	ICD-10-PCS
DWY	Radiation Therapy, Anatomical Regions, Other Radiation	Procedure	ICD-10-PCS
DWY1	Other Radiation / Head and Neck	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
DWY17ZZ	Contact Radiation of Head and Neck	Procedure	ICD-10-PCS
DWY1FZZ	Plaque Radiation of Head and Neck	Procedure	ICD-10-PCS
DWY2	Other Radiation / Chest	Procedure	ICD-10-PCS
DWY27ZZ	Contact Radiation of Chest	Procedure	ICD-10-PCS
DWY2FZZ	Plaque Radiation of Chest	Procedure	ICD-10-PCS
DWY3	Other Radiation / Abdomen	Procedure	ICD-10-PCS
DWY37ZZ	Contact Radiation of Abdomen	Procedure	ICD-10-PCS
DWY3FZZ	Plaque Radiation of Abdomen	Procedure	ICD-10-PCS
DWY4	Other Radiation / Hemibody	Procedure	ICD-10-PCS
DWY47ZZ	Contact Radiation of Hemibody	Procedure	ICD-10-PCS
DWY4FZZ	Plaque Radiation of Hemibody	Procedure	ICD-10-PCS
DWY5	Other Radiation / Whole Body	Procedure	ICD-10-PCS
DWY57ZZ	Contact Radiation of Whole Body	Procedure	ICD-10-PCS
DWY5FZZ	Plaque Radiation of Whole Body	Procedure	ICD-10-PCS
DWY6	Other Radiation / Pelvic Region	Procedure	ICD-10-PCS
DWY67ZZ	Contact Radiation of Pelvic Region	Procedure	ICD-10-PCS
DWY6FZZ	Plaque Radiation of Pelvic Region	Procedure	ICD-10-PCS
G0174	Intensity modulated radiation therapy (imrt) delivery to one or more treatment areas, multiple couch angles/fields/arc, custom collimated pencil-beams with treatment setup and verification images, complete course of therapy requiring more than one session, per session	Procedure	HCPCS
G0178	Intensity modulated radiation therapy (imrt) plan, including dose volume histograms for target and critical structure partial tolerances, inverse plan optimization performed for highly conformal distributions, plan positional accuracy and dose verification, per course of treatment	Procedure	HCPCS
G0256	Prostate brachytherapy using permanently implanted palladium seeds, including transperitoneal placement of needles or catheters into the prostate, cystoscopy and application of permanent interstitial radiation source	Procedure	HCPCS
G0261	Prostate brachytherapy using permanently implanted iodine seeds, including transperineal placement of needles or catheters into the prostate, cystoscopy and application of permanent interstitial radiation source	Procedure	HCPCS
G6003	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: up to 5 mev	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
G6004	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: 6-10 mev	Procedure	HCPCS
G6005	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: 11-19 mev	Procedure	HCPCS
G6006	Radiation treatment delivery, single treatment area, single port or parallel opposed ports, simple blocks or no blocks: 20 mev or greater	Procedure	HCPCS
G6007	Radiation treatment delivery, two separate treatment areas, three or more ports on a single treatment area, use of multiple blocks: up to 5 mev	Procedure	HCPCS
G6008	Radiation treatment delivery, two separate treatment areas, three or more ports on a single treatment area, use of multiple blocks: 6-10 mev	Procedure	HCPCS
G6009	Radiation treatment delivery, two separate treatment areas, three or more ports on a single treatment area, use of multiple blocks: 11-19 mev	Procedure	HCPCS
G6010	Radiation treatment delivery, two separate treatment areas, three or more ports on a single treatment area, use of multiple blocks: 20 mev or greater	Procedure	HCPCS
G6011	Radiation treatment delivery, three or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; up to 5 mev	Procedure	HCPCS
G6012	Radiation treatment delivery, three or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 6-10 mev	Procedure	HCPCS
G6013	Radiation treatment delivery, three or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 11-19 mev	Procedure	HCPCS
G6014	Radiation treatment delivery, three or more separate treatment areas, custom blocking, tangential ports, wedges, rotational beam, compensators, electron beam; 20 mev or greater	Procedure	HCPCS
G6015	Intensity modulated treatment delivery, single or multiple fields/arcs, via narrow spatially and temporally modulated beams, binary, dynamic MLC, per treatment session	Procedure	HCPCS
G6016	Compensator-based beam modulation treatment delivery of inverse planned treatment using three or more high resolution (milled or cast) compensator, convergent beam modulated fields, per treatment session	Procedure	HCPCS

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Code	Description	Code Category	Code Type
G6017	Intra-fraction localization and tracking of target or patient motion during delivery of radiation therapy (e.g., 3D positional tracking, gating, 3D surface tracking), each fraction of treatment	Procedure	HCPCS
M1072	Radiation therapy for anal cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1073	Radiation therapy for anal cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1074	Radiation therapy for bladder cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1075	Radiation therapy for bladder cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1076	Radiation therapy for bone metastases under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1077	Radiation therapy for bone metastases under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1078	Radiation therapy for brain metastases under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1079	Radiation therapy for brain metastases under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1080	Radiation therapy for breast cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1081	Radiation therapy for breast cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1082	Radiation therapy for cervical cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1083	Radiation therapy for cervical cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1084	Radiation therapy for CNS tumors under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1085	Radiation therapy for CNS tumors under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1086	Radiation therapy for colorectal cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS

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Code	Description	Code Category	Code Type
M1087	Radiation therapy for colorectal cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1088	Radiation therapy for head and neck cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1089	Radiation therapy for head and neck cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1094	Radiation therapy for lung cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1095	Radiation therapy for lung cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1096	Radiation therapy for lymphoma under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1097	Radiation therapy for lymphoma under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1098	Radiation therapy for pancreatic cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1099	Radiation therapy for pancreatic cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1100	Radiation therapy for prostate cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1101	Radiation therapy for prostate cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1102	Radiation therapy for upper GI cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1103	Radiation therapy for upper GI cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
M1104	Radiation therapy for uterine cancer under the Radiation Oncology model, 90-day episode, professional component	Procedure	HCPCS
M1105	Radiation therapy for uterine cancer under the Radiation Oncology model, 90-day episode, technical component	Procedure	HCPCS
S2270	Insertion of vaginal cylinder for application of radiation source or clinical brachytherapy (report separately in addition to radiation source delivery)	Procedure	HCPCS
S8030	Scleral application of tantalum ring(s) for localization of lesions for proton beam therapy	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
S8049	Intraoperative radiation therapy (single administration)	Procedure	HCPCS
V58.0	Radiotherapy	Diagnosis	ICD-9-CM
Z51.0	Encounter for antineoplastic radiation therapy	Diagnosis	ICD-10-CM
<b>Chemotherapy</b>			
00.10	Implantation of chemotherapeutic agent	Procedure	ICD-9-CM
00.15	High-dose infusion interleukin-2 [IL-2]	Procedure	ICD-9-CM
17.70	Intravenous infusion of clofarabine	Procedure	ICD-9-CM
284.11	Antineoplastic chemotherapy induced pancytopenia	Diagnosis	ICD-9-CM
285.3	Antineoplastic chemotherapy induced anemia	Diagnosis	ICD-9-CM
3E00X05	Introduction of Other Antineoplastic into Skin and Mucous Membranes, External Approach	Procedure	ICD-10-PCS
3E01305	Introduction of Other Antineoplastic into Subcutaneous Tissue, Percutaneous Approach	Procedure	ICD-10-PCS
3E02305	Introduction of Other Antineoplastic into Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
3E03002	Introduction of High-dose Interleukin-2 into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
3E03003	Introduction of Low-dose Interleukin-2 into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
3E03005	Introduction of Other Antineoplastic into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
3E0300P	Introduction of Clofarabine into Peripheral Vein, Open Approach	Procedure	ICD-10-PCS
3E03302	Introduction of High-dose Interleukin-2 into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E03303	Introduction of Low-dose Interleukin-2 into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E03305	Introduction of Other Antineoplastic into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E0330P	Introduction of Clofarabine into Peripheral Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E04002	Introduction of High-dose Interleukin-2 into Central Vein, Open Approach	Procedure	ICD-10-PCS
3E04003	Introduction of Low-dose Interleukin-2 into Central Vein, Open Approach	Procedure	ICD-10-PCS
3E04005	Introduction of Other Antineoplastic into Central Vein, Open Approach	Procedure	ICD-10-PCS
3E0400P	Introduction of Clofarabine into Central Vein, Open Approach	Procedure	ICD-10-PCS
3E04302	Introduction of High-dose Interleukin-2 into Central Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E04303	Introduction of Low-dose Interleukin-2 into Central Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E04305	Introduction of Other Antineoplastic into Central Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E0430P	Introduction of Clofarabine into Central Vein, Percutaneous Approach	Procedure	ICD-10-PCS
3E05002	Introduction of High-dose Interleukin-2 into Peripheral Artery, Open Approach	Procedure	ICD-10-PCS
3E05003	Introduction of Low-dose Interleukin-2 into Peripheral Artery, Open Approach	Procedure	ICD-10-PCS
3E05005	Introduction of Other Antineoplastic into Peripheral Artery, Open Approach	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
3E0500P	Introduction of Clofarabine into Peripheral Artery, Open Approach	Procedure	ICD-10-PCS
3E05302	Introduction of High-dose Interleukin-2 into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E05303	Introduction of Low-dose Interleukin-2 into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E05305	Introduction of Other Antineoplastic into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E0530P	Introduction of Clofarabine into Peripheral Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E06002	Introduction of High-dose Interleukin-2 into Central Artery, Open Approach	Procedure	ICD-10-PCS
3E06003	Introduction of Low-dose Interleukin-2 into Central Artery, Open Approach	Procedure	ICD-10-PCS
3E06005	Introduction of Other Antineoplastic into Central Artery, Open Approach	Procedure	ICD-10-PCS
3E0600P	Introduction of Clofarabine into Central Artery, Open Approach	Procedure	ICD-10-PCS
3E06302	Introduction of High-dose Interleukin-2 into Central Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E06303	Introduction of Low-dose Interleukin-2 into Central Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E06305	Introduction of Other Antineoplastic into Central Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E0630P	Introduction of Clofarabine into Central Artery, Percutaneous Approach	Procedure	ICD-10-PCS
3E09305	Introduction of Other Antineoplastic into Nose, Percutaneous Approach	Procedure	ICD-10-PCS
3E09705	Introduction of Other Antineoplastic into Nose, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E09X05	Introduction of Other Antineoplastic into Nose, External Approach	Procedure	ICD-10-PCS
3E0A305	Introduction of Other Antineoplastic into Bone Marrow, Percutaneous Approach	Procedure	ICD-10-PCS
3E0B305	Introduction of Other Antineoplastic into Ear, Percutaneous Approach	Procedure	ICD-10-PCS
3E0B705	Introduction of Other Antineoplastic into Ear, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0BX05	Introduction of Other Antineoplastic into Ear, External Approach	Procedure	ICD-10-PCS
3E0C305	Introduction of Other Antineoplastic into Eye, Percutaneous Approach	Procedure	ICD-10-PCS
3E0C705	Introduction of Other Antineoplastic into Eye, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0CX05	Introduction of Other Antineoplastic into Eye, External Approach	Procedure	ICD-10-PCS
3E0D305	Introduction of Other Antineoplastic into Mouth and Pharynx, Percutaneous Approach	Procedure	ICD-10-PCS
3E0D705	Introduction of Other Antineoplastic into Mouth and Pharynx, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0DX05	Introduction of Other Antineoplastic into Mouth and Pharynx, External Approach	Procedure	ICD-10-PCS
3E0E305	Introduction of Other Antineoplastic into Products of Conception, Percutaneous Approach	Procedure	ICD-10-PCS
3E0E705	Introduction of Other Antineoplastic into Products of Conception, Via Natural or Artificial Opening	Procedure	ICD-10-PCS



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Code	Description	Code Category	Code Type
3E0E805	Introduction of Other Antineoplastic into Products of Conception, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0F305	Introduction of Other Antineoplastic into Respiratory Tract, Percutaneous Approach	Procedure	ICD-10-PCS
3E0F705	Introduction of Other Antineoplastic into Respiratory Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0F805	Introduction of Other Antineoplastic into Respiratory Tract, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0G305	Introduction of Other Antineoplastic into Upper GI, Percutaneous Approach	Procedure	ICD-10-PCS
3E0G705	Introduction of Other Antineoplastic into Upper GI, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0G805	Introduction of Other Antineoplastic into Upper GI, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0H305	Introduction of Other Antineoplastic into Lower GI, Percutaneous Approach	Procedure	ICD-10-PCS
3E0H705	Introduction of Other Antineoplastic into Lower GI, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0H805	Introduction of Other Antineoplastic into Lower GI, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0J305	Introduction of Other Antineoplastic into Biliary and Pancreatic Tract, Percutaneous Approach	Procedure	ICD-10-PCS
3E0J705	Introduction of Other Antineoplastic into Biliary and Pancreatic Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0J805	Introduction of Other Antineoplastic into Biliary and Pancreatic Tract, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0K305	Introduction of Other Antineoplastic into Genitourinary Tract, Percutaneous Approach	Procedure	ICD-10-PCS
3E0K705	Introduction of Other Antineoplastic into Genitourinary Tract, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0K805	Introduction of Other Antineoplastic into Genitourinary Tract, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0L305	Introduction of Other Antineoplastic into Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
3E0L705	Introduction of Other Antineoplastic into Pleural Cavity, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0M305	Introduction of Other Antineoplastic into Peritoneal Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
3E0M705	Introduction of Other Antineoplastic into Peritoneal Cavity, Via Natural or Artificial Opening	Procedure	ICD-10-PCS



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Code	Description	Code Category	Code Type
3E0N305	Introduction of Other Antineoplastic into Male Reproductive, Percutaneous Approach	Procedure	ICD-10-PCS
3E0N705	Introduction of Other Antineoplastic into Male Reproductive, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0N805	Introduction of Other Antineoplastic into Male Reproductive, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0P305	Introduction of Other Antineoplastic into Female Reproductive, Percutaneous Approach	Procedure	ICD-10-PCS
3E0P705	Introduction of Other Antineoplastic into Female Reproductive, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0P805	Introduction of Other Antineoplastic into Female Reproductive, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
3E0Q005	Introduction of Other Antineoplastic into Cranial Cavity and Brain, Open Approach	Procedure	ICD-10-PCS
3E0Q305	Introduction of Other Antineoplastic into Cranial Cavity and Brain, Percutaneous Approach	Procedure	ICD-10-PCS
3E0Q705	Introduction of Other Antineoplastic into Cranial Cavity and Brain, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
3E0R302	Introduction of High-dose Interleukin-2 into Spinal Canal, Percutaneous Approach	Procedure	ICD-10-PCS
3E0R303	Introduction of Low-dose Interleukin-2 into Spinal Canal, Percutaneous Approach	Procedure	ICD-10-PCS
3E0R305	Introduction of Other Antineoplastic into Spinal Canal, Percutaneous Approach	Procedure	ICD-10-PCS
3E0S302	Introduction of High-dose Interleukin-2 into Epidural Space, Percutaneous Approach	Procedure	ICD-10-PCS
3E0S303	Introduction of Low-dose Interleukin-2 into Epidural Space, Percutaneous Approach	Procedure	ICD-10-PCS
3E0S305	Introduction of Other Antineoplastic into Epidural Space, Percutaneous Approach	Procedure	ICD-10-PCS
3E0U305	Introduction of Other Antineoplastic into Joints, Percutaneous Approach	Procedure	ICD-10-PCS
3E0V305	Introduction of Other Antineoplastic into Bones, Percutaneous Approach	Procedure	ICD-10-PCS
3E0W305	Introduction of Other Antineoplastic into Lymphatics, Percutaneous Approach	Procedure	ICD-10-PCS
3E0Y305	Introduction of Other Antineoplastic into Pericardial Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
3E0Y705	Introduction of Other Antineoplastic into Pericardial Cavity, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
96401	Chemotherapy administration, subcutaneous or intramuscular; non-hormonal anti-neoplastic	Procedure	CPT-4
96402	Chemotherapy administration, subcutaneous or intramuscular; hormonal anti-neoplastic	Procedure	CPT-4

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Code	Description	Code Category	Code Type
96409	Chemotherapy administration; intravenous, push technique, single or initial substance/drug	Procedure	CPT-4
96411	Chemotherapy administration; intravenous, push technique, each additional substance/drug (List separately in addition to code for primary procedure)	Procedure	CPT-4
96413	Chemotherapy administration, intravenous infusion technique; up to 1 hour, single or initial substance/drug	Procedure	CPT-4
96415	Chemotherapy administration, intravenous infusion technique; each additional hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
96416	Chemotherapy administration, intravenous infusion technique; initiation of prolonged chemotherapy infusion (more than 8 hours), requiring use of a portable or implantable pump	Procedure	CPT-4
96417	Chemotherapy administration, intravenous infusion technique; each additional sequential infusion (different substance/drug), up to 1 hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
96420	Chemotherapy administration, intra-arterial; push technique	Procedure	CPT-4
96422	Chemotherapy administration, intra-arterial; infusion technique, up to 1 hour	Procedure	CPT-4
96423	Chemotherapy administration, intra-arterial; infusion technique, each additional hour (List separately in addition to code for primary procedure)	Procedure	CPT-4
96425	Chemotherapy administration, intra-arterial; infusion technique, initiation of prolonged infusion (more than 8 hours), requiring the use of a portable or implantable pump	Procedure	CPT-4
96440	Chemotherapy administration into pleural cavity, requiring and including thoracentesis	Procedure	CPT-4
96446	Chemotherapy administration into the peritoneal cavity via indwelling port or catheter	Procedure	CPT-4
96450	Chemotherapy administration, into CNS (eg, intrathecal), requiring and including spinal puncture	Procedure	CPT-4
96542	Chemotherapy injection, subarachnoid or intraventricular via subcutaneous reservoir, single or multiple agents	Procedure	CPT-4
96549	Unlisted chemotherapy procedure	Procedure	CPT-4
99.25	Injection or infusion of cancer chemotherapeutic substance	Procedure	ICD-9-CM
99.28	Injection or infusion of biological response modifier [BRM] as an antineoplastic agent	Procedure	ICD-9-CM
999.81	Extravasation of vesicant chemotherapy	Diagnosis	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
A9534	Supply of radiopharmaceutical therapeutic imaging agent, I-131 tositumomab, per mCi	Procedure	HCPCS
A9545	Iodine I-131 tositumomab, therapeutic, per treatment dose	Procedure	HCPCS
C1084	Denileukin diftitox, 300 mcg, ontak iv	Procedure	HCPCS
C1086	Temozolomide, 5 mg, temodar	Procedure	HCPCS
C1166	Injection, cytarabine liposome, per 10 mg	Procedure	HCPCS
C1167	Injection, epirubicin HCl, 2 mg	Procedure	HCPCS
C1178	Injection, busulfan, per 6 mg	Procedure	HCPCS
C9004	Injection, gemtuzumab ozogamicin, per 5 mg	Procedure	HCPCS
C9012	Injection, arsenic trioxide, per 1 mg/kg	Procedure	HCPCS
C9017	Lomustine, 10 mg	Procedure	HCPCS
C9021	Injection, obinutuzumab, 10 mg	Procedure	HCPCS
C9024	Injection, liposomal, 1 mg daunorubicin and 2.27 mg cytarabine	Procedure	HCPCS
C9025	Injection, ramucirumab, 5 mg	Procedure	HCPCS
C9027	Injection, pembrolizumab, 1 mg	Procedure	HCPCS
C9042	Injection, bendamustine HCl (Belrapzo), 1 mg	Procedure	HCPCS
C9044	Injection, cemiplimab-rwlc, 1 mg	Procedure	HCPCS
C9045	Injection, moxetumomab pasudotox-tdfk, 0.01 mg	Procedure	HCPCS
C9049	Injection, tagraxofusp-erzs, 10 mcg	Procedure	HCPCS
C9058	Injection, pegfilgrastim-bmez, biosimilar, (Ziextenzo) 0.5 mg	Procedure	HCPCS
C9062	Injection, daratumumab 10 mg and hyaluronidase-fihj	Procedure	HCPCS
C9064	Mitomycin pyelocalyceal instillation, 1 mg	Procedure	HCPCS
C9065	Injection, romidepsin, non-lyophilized (e.g. liquid), 1 mg	Procedure	HCPCS
C9066	Injection, sacituzumab govitecan-hziy, 2.5 mg	Procedure	HCPCS
C9069	Injection, belantamab mafodotin-blmf, 0.5 mg	Procedure	HCPCS
C9070	Injection, tafasitamab-cxix, 2 mg	Procedure	HCPCS
C9073	Brexucabtagene autoleucel, up to 200 million autologous anti-CD19 CAR positive viable T cells, including leukapheresis and dose preparation procedures, per therapeutic dose	Procedure	HCPCS
C9076	Lisocabtagene maraleucel, up to 110 million autologous anti-CD19 CAR-positive viable T cells, including leukapheresis and dose preparation procedures, per therapeutic dose	Procedure	HCPCS
C9078	Injection, trilaciclib, 1 mg	Procedure	HCPCS
C9080	Injection, melphalan flufenamide HCl, 1 mg	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C9081	Idecabtagene vicleucel, up to 460 million autologous anti-BCMA CAR-positive viable T cells, including leukapheresis and dose preparation procedures, per therapeutic dose	Procedure	HCPCS
C9082	Injection, dostarlimab-gxly, 100 mg	Procedure	HCPCS
C9083	Injection, amivantamab-vmjw, 10 mg	Procedure	HCPCS
C9084	Injection, loncastuximab tesirine-lpyl, 0.1 mg	Procedure	HCPCS
C9087	Injection, cyclophosphamide, (AuroMedics), 10 mg	Procedure	HCPCS
C9110	Injection, alemtuzumab, per 10 mg/ ml	Procedure	HCPCS
C9117	Ibritumomab tiuxetan	Procedure	HCPCS
C9118	Ibritumomab tiuxetan	Procedure	HCPCS
C9127	Injection, paclitaxel protein-bound particles, per 1 mg	Procedure	HCPCS
C9129	Injection, clofarabine, per 1 mg	Procedure	HCPCS
C9131	Injection, ado-trastuzumab emtansine, 1 mg	Procedure	HCPCS
C9205	Injection, oxaliplatin, per 5 mg	Procedure	HCPCS
C9207	Injection, bortezomib, per 3.5 mg	Procedure	HCPCS
C9210	Injection, palonosetron hydrochloride, per 250 mcg	Procedure	HCPCS
C9213	Injection, pemetrexed, per 10 mg	Procedure	HCPCS
C9214	Injection, bevacizumab, per 10 mg	Procedure	HCPCS
C9215	Injection, cetuximab, per 10 mg	Procedure	HCPCS
C9216	Injection, abarelix for injectable suspension, per 10 mg	Procedure	HCPCS
C9218	Injection, azacitidine, per 1 mg	Procedure	HCPCS
C9231	Injection, decitabine, per 1 mg	Procedure	HCPCS
C9235	Injection, panitumumab, 10 mg	Procedure	HCPCS
C9237	Injection, lanreotide acetate, 1 mg	Procedure	HCPCS
C9239	Injection, temsirolimus, 1 mg	Procedure	HCPCS
C9240	Injection, ixabepilone, 1 mg	Procedure	HCPCS
C9243	Injection, bendamustine hcl, 1 mg	Procedure	HCPCS
C9252	Injection, plerixafor, 1 mg	Procedure	HCPCS
C9253	Injection, temozolomide, 1mg	Procedure	HCPCS
C9257	Injection, bevacizumab, 0.25 mg	Procedure	HCPCS
C9259	Injection, pralatrexate, 1 mg	Procedure	HCPCS
C9260	Injection, ofatumumab, 10 mg	Procedure	HCPCS
C9262	Fludarabine phosphate, oral, 1 mg	Procedure	HCPCS
C9265	Injection, romidepsin, 1 mg	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C9273	Sipuleucel-T, minimum of 50 million autologous CD54+ cells activated with PAP-GM-CSF, including leukapheresis and all other preparatory procedures, per infusion	Procedure	HCPCS
C9276	Injection, cabazitaxel, 1 mg	Procedure	HCPCS
C9280	Injection, eribulin mesylate, 1 mg	Procedure	HCPCS
C9284	Injection, ipilimumab, 1 mg	Procedure	HCPCS
C9287	Injection, brentuximab vedotin, 1 mg	Procedure	HCPCS
C9289	Injection, asparaginase Erwinia chrysanthemi, 1,000 IU	Procedure	HCPCS
C9292	Injection, pertuzumab, 10 mg	Procedure	HCPCS
C9293	Injection, glucarpidase, 10 units	Procedure	HCPCS
C9295	Injection, carfilzomib, 1 mg	Procedure	HCPCS
C9296	Injection, ziv-aflibercept, 1 mg	Procedure	HCPCS
C9297	Injection, omacetaxine mepesuccinate, 0.01 mg	Procedure	HCPCS
C9414	Etoposide; oral, 50 mg, brand name	Procedure	HCPCS
C9415	Doxorubicin HCl, 10 mg, brand name	Procedure	HCPCS
C9416	BCG (intravesical) per instillation, brand name	Procedure	HCPCS
C9417	Bleomycin sulfate, 15 units, brand name	Procedure	HCPCS
C9418	Cisplatin, powder or solution, per 10 mg, brand name	Procedure	HCPCS
C9419	Injection, cladribine, per 1 mg, brand name	Procedure	HCPCS
C9420	Cyclophosphamide, 100 mg, brand name	Procedure	HCPCS
C9421	Cyclophosphamide, lyophilized, 100 mg, brand name	Procedure	HCPCS
C9422	Cytarabine, 100 mg, brand name	Procedure	HCPCS
C9423	Dacarbazine, 100 mg, brand name	Procedure	HCPCS
C9424	Daunorubicin, 10 mg	Procedure	HCPCS
C9425	Etoposide, 10 mg, brand name	Procedure	HCPCS
C9426	Floxuridine, 500 mg, brand name	Procedure	HCPCS
C9427	Ifosfamide, 1 gm, brand name	Procedure	HCPCS
C9428	Mesna, 200 mg, brand name	Procedure	HCPCS
C9429	Idarubicin HCl, 5 mg, brand name	Procedure	HCPCS
C9430	Leuprolide acetate, per 1 mg, brand name	Procedure	HCPCS
C9431	Paclitaxel, 30 mg, brand name	Procedure	HCPCS
C9432	Mitomycin, 5 mg, brand name	Procedure	HCPCS
C9433	Thiotepa, 15 mg, brand name	Procedure	HCPCS
C9437	Carmustine, brand name, 100 mg	Procedure	HCPCS
C9440	Vinorelbine tartrate, brand name, per 10 mg	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
C9448	Netupitant 300 mg and palonosetron 0.5 mg, oral	Procedure	HCPCS
C9449	Injection, blinatumomab, 1 mcg	Procedure	HCPCS
C9453	Injection, nivolumab, 1 mg	Procedure	HCPCS
C9454	Injection, pasireotide pamoate long acting, 1 mg	Procedure	HCPCS
C9455	Injection, siltuximab, 10 mg	Procedure	HCPCS
C9472	Injection, talimogene laherparepvec, 1 million plaque forming units (PFU)	Procedure	HCPCS
C9474	Injection, irinotecan liposome, 1 mg	Procedure	HCPCS
C9475	Injection, necitumumab, 1 mg	Procedure	HCPCS
C9476	Injection, daratumumab, 10 mg	Procedure	HCPCS
C9477	Injection, elotuzumab, 1 mg	Procedure	HCPCS
C9480	Injection, trabectedin, 0.1 mg	Procedure	HCPCS
C9483	Injection, atezolizumab, 10 mg	Procedure	HCPCS
C9491	Injection, avelumab, 10 mg	Procedure	HCPCS
C9492	Injection, durvalumab, 10 mg	Procedure	HCPCS
G0498	Chemotherapy administration, intravenous infusion technique; initiation of infusion in the office/clinic setting using office/clinic pump/supplies, with continuation of the infusion in the community setting (e.g., home, domiciliary, rest home or assisted living) using a portable pump provided by the office/clinic, includes follow up office/clinic visit at the conclusion of the infusion	Procedure	HCPCS
G3001	Administration and supply of tositumomab, 450 mg	Procedure	HCPCS
G9835	Trastuzumab administered within 12 months of diagnosis	Procedure	HCPCS
G9837	Trastuzumab not administered within 12 months of diagnosis	Procedure	HCPCS
J0128	Injection, abarelix, 10 mg	Procedure	HCPCS
J0202	Injection, alemtuzumab, 1 mg	Procedure	HCPCS
J0207	Injection, amifostine, 500 mg	Procedure	HCPCS
J0594	Injection, busulfan, 1 mg	Procedure	HCPCS
J0640	Injection, leucovorin calcium, per 50 mg	Procedure	HCPCS
J0641	Injection, levoleucovorin, not otherwise specified, 0.5 mg	Procedure	HCPCS
J0642	Injection, levoleucovorin (Khapzory), 0.5 mg	Procedure	HCPCS
J0881	Injection, darbepoetin alfa, 1 mcg (non-ESRD use)	Procedure	HCPCS
J0885	Injection, epoetin alfa, (for non-ESRD use), 1000 units	Procedure	HCPCS
J0894	Injection, decitabine, 1 mg	Procedure	HCPCS
J0896	Injection, luspatercept-aamt, 0.25 mg	Procedure	HCPCS
J0897	Injection, denosumab, 1 mg	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
J1020	Injection, methylprednisolone acetate, 20 mg	Procedure	HCPCS
J1030	Injection, methylprednisolone acetate, 40 mg	Procedure	HCPCS
J1040	Injection, methylprednisolone acetate, 80 mg	Procedure	HCPCS
J1050	Injection, medroxyprogesterone acetate, 1 mg	Procedure	HCPCS
J1051	Injection, medroxyprogesterone acetate, 50 mg	Procedure	HCPCS
J1094	Injection, dexamethasone acetate, 1 mg	Procedure	HCPCS
J1100	Injection, dexamethasone sodium phosphate, 1 mg	Procedure	HCPCS
J1190	Injection, dexrazoxane HCl, per 250 mg	Procedure	HCPCS
J1260	Injection, dolasetron mesylate, 10 mg	Procedure	HCPCS
J1380	Injection, estradiol valerate, up to 10 mg	Procedure	HCPCS
J1436	Injection, etidronate disodium, per 300 mg	Procedure	HCPCS
J1440	Injection, filgrastim (G-CSF), 300 mcg	Procedure	HCPCS
J1441	Injection, filgrastim (G-CSF), 480 mcg	Procedure	HCPCS
J1442	Injection, filgrastim (G-CSF), excludes biosimilars, 1 mcg	Procedure	HCPCS
J1446	Injection, TBO-filgrastim, 5 micrograms	Procedure	HCPCS
J1447	Injection, tbo-filgrastim, 1 mcg	Procedure	HCPCS
J1448	Injection, trilaciclib, 1 mg	Procedure	HCPCS
J1453	Injection, fosaprepitant, 1 mg	Procedure	HCPCS
J1626	Injection, granisetron HCl, 100 mcg	Procedure	HCPCS
J1627	Injection, granisetron, extended-release, 0.1 mg	Procedure	HCPCS
J1675	Injection, histrelin acetate, 10 mcg	Procedure	HCPCS
J1710	Injection, hydrocortisone sodium phosphate, up to 50 mg	Procedure	HCPCS
J1720	Injection, hydrocortisone sodium succinate, up to 100 mg	Procedure	HCPCS
J1725	Injection, hydroxyprogesterone caproate, 1 mg	Procedure	HCPCS
J1726	Injection, hydroxyprogesterone caproate, (Makena), 10 mg	Procedure	HCPCS
J1729	Injection, hydroxyprogesterone caproate, not otherwise specified, 10 mg	Procedure	HCPCS
J1930	Injection, lanreotide, 1 mg	Procedure	HCPCS
J1950	Injection, leuprolide acetate (for depot suspension), per 3.75 mg	Procedure	HCPCS
J1952	Leuprolide injectable, camcevi, 1 mg	Procedure	HCPCS
J2353	Injection, octreotide, depot form for intramuscular injection, 1 mg	Procedure	HCPCS
J2354	Injection, octreotide, nondepot form for subcutaneous or intravenous injection, 25 mcg	Procedure	HCPCS
J2405	Injection, ondansetron HCl, per 1 mg	Procedure	HCPCS
J2425	Injection, palifermin, 50 mcg	Procedure	HCPCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
J2430	Injection, pamidronate disodium, per 30 mg	Procedure	HCPCS
J2469	Injection, palonosetron HCl, 25 mcg	Procedure	HCPCS
J2502	Injection, pasireotide long acting, 1 mg	Procedure	HCPCS
J2505	Injection, pegfilgrastim, 6 mg	Procedure	HCPCS
J2506	Injection, pegfilgrastim, excludes biosimilar, 0.5 mg	Procedure	HCPCS
J2562	Injection, plerixafor, 1 mg	Procedure	HCPCS
J2650	Injection, prednisolone acetate, up to 1 ml	Procedure	HCPCS
J2783	Injection, rasburicase, 0.5 mg	Procedure	HCPCS
J2820	Injection, sargramostim (GM-CSF), 50 mcg	Procedure	HCPCS
J2860	Injection, siltuximab, 10 mg	Procedure	HCPCS
J2920	Injection, methylprednisolone sodium succinate, up to 40 mg	Procedure	HCPCS
J2930	Injection, methylprednisolone sodium succinate, up to 125 mg	Procedure	HCPCS
J3120	Injection, testosterone enanthate, up to 100 mg	Procedure	HCPCS
J3121	Injection, testosterone enanthate, 1 mg	Procedure	HCPCS
J3130	Injection, testosterone enanthate, up to 200 mg	Procedure	HCPCS
J3240	Injection, thyrotropin alpha, 0.9 mg, provided in 1.1 mg vial	Procedure	HCPCS
J3300	Injection, triamcinolone acetonide, preservative free, 1 mg	Procedure	HCPCS
J3301	Injection, triamcinolone acetonide, not otherwise specified, 10 mg	Procedure	HCPCS
J3305	Injection, trimetrexate glucuronate, per 25 mg	Procedure	HCPCS
J3315	Injection, triptorelin pamoate, 3.75 mg	Procedure	HCPCS
J3487	Injection, zoledronic acid (Zometa), 1 mg	Procedure	HCPCS
J3489	Injection, zoledronic acid, 1 mg	Procedure	HCPCS
J3590	Unclassified biologics	Procedure	HCPCS
J7506	Prednisone, oral, per 5 mg	Procedure	HCPCS
J7509	Methylprednisolone, oral, per 4 mg	Procedure	HCPCS
J7510	Prednisolone, oral, per 5 mg	Procedure	HCPCS
J7512	Prednisone, immediate release or delayed release, oral, 1 mg	Procedure	HCPCS
J7684	Triamcinolone, inhalation solution, compounded product, administered through DME, unit dose form, per mg	Procedure	HCPCS
J8499	Prescription drug, oral, nonchemotherapeutic, NOS	Procedure	HCPCS
J8501	Aprepitant, oral, 5 mg	Procedure	HCPCS
J8510	Busulfan, oral, 2 mg	Procedure	HCPCS
J8520	Capecitabine, oral, 150 mg	Procedure	HCPCS
J8521	Capecitabine, oral, 500 mg	Procedure	HCPCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
J8530	Cyclophosphamide, oral, 25 mg	Procedure	HCPCS
J8540	Dexamethasone, oral, 0.25 mg	Procedure	HCPCS
J8560	Etoposide, oral, 50 mg	Procedure	HCPCS
J8562	Fludarabine phosphate, oral, 10 mg	Procedure	HCPCS
J8565	Gefitinib, oral, 250 mg	Procedure	HCPCS
J8600	Melphalan, oral, 2 mg	Procedure	HCPCS
J8610	Methotrexate, oral, 2.5 mg	Procedure	HCPCS
J8650	Nabilone, oral, 1 mg	Procedure	HCPCS
J8655	Netupitant 300 mg and palonosetron 0.5 mg, oral	Procedure	HCPCS
J8670	Rolapitant, oral, 1 mg	Procedure	HCPCS
J8700	Temozolomide, oral, 5 mg	Procedure	HCPCS
J8705	Topotecan, oral, 0.25 mg	Procedure	HCPCS
J8999	Prescription drug, oral, chemotherapeutic, NOS	Procedure	HCPCS
J9000	Injection, doxorubicin HCl, 10 mg	Procedure	HCPCS
J9001	Injection, doxorubicin HCl, all lipid formulations, 10 mg	Procedure	HCPCS
J9002	Injection, doxorubicin hydrochloride, liposomal, Doxil, 10 mg	Procedure	HCPCS
J9010	Injection, alemtuzumab, 10 mg	Procedure	HCPCS
J9015	Injection, aldesleukin, per single use vial	Procedure	HCPCS
J9017	Injection, arsenic trioxide, 1 mg	Procedure	HCPCS
J9019	Injection, asparaginase (Erwinaze), 1,000 IU	Procedure	HCPCS
J9020	Injection, asparaginase, not otherwise specified, 10,000 units	Procedure	HCPCS
J9021	Injection, asparaginase, recombinant, (Rylaze), 0.1 mg	Procedure	HCPCS
J9025	Injection, azacitidine, 1 mg	Procedure	HCPCS
J9027	Injection, clofarabine, 1 mg	Procedure	HCPCS
J9030	BCG live intravesical instillation, 1 mg	Procedure	HCPCS
J9031	BCG (intravesical) per instillation	Procedure	HCPCS
J9032	Injection, belinostat, 10 mg	Procedure	HCPCS
J9033	Injection, bendamustine HCl (Treanda), 1 mg	Procedure	HCPCS
J9034	Injection, bendamustine HCl (Bendeka), 1 mg	Procedure	HCPCS
J9035	Injection, bevacizumab, 10 mg	Procedure	HCPCS
J9036	Injection, bendamustine hydrochloride, (Belrapzo/bendamustine), 1 mg	Procedure	HCPCS
J9037	Injection, belantamab mafodotin-blmf, 0.5 mg	Procedure	HCPCS
J9039	Injection, blinatumomab, 1 mcg	Procedure	HCPCS
J9040	Injection, bleomycin sulfate, 15 units	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
J9041	Injection, bortezomib (Velcade), 0.1 mg	Procedure	HCPCS
J9042	Injection, brentuximab vedotin, 1 mg	Procedure	HCPCS
J9043	Injection, cabazitaxel, 1 mg	Procedure	HCPCS
J9045	Injection, carboplatin, 50 mg	Procedure	HCPCS
J9047	Injection, carfilzomib, 1 mg	Procedure	HCPCS
J9050	Injection, carmustine, 100 mg	Procedure	HCPCS
J9055	Injection, cetuximab, 10 mg	Procedure	HCPCS
J9057	Injection, copanlisib, 1 mg	Procedure	HCPCS
J9060	Injection, cisplatin, powder or solution, 10 mg	Procedure	HCPCS
J9061	Injection, amivantamab-vmjw, 2 mg	Procedure	HCPCS
J9062	Cisplatin, 50 mg	Procedure	HCPCS
J9065	Injection, cladribine, per 1 mg	Procedure	HCPCS
J9070	Cyclophosphamide, 100 mg	Procedure	HCPCS
J9071	Cyclophosphamide (AuroMedics)	Procedure	HCPCS
J9080	Cyclophosphamide, 200 mg	Procedure	HCPCS
J9090	Cyclophosphamide, 500 mg	Procedure	HCPCS
J9091	Cyclophosphamide, 1 g	Procedure	HCPCS
J9092	Cyclophosphamide, 2 g	Procedure	HCPCS
J9093	Cyclophosphamide, lyophilized, 100 mg	Procedure	HCPCS
J9094	Cyclophosphamide, lyophilized, 200 mg	Procedure	HCPCS
J9095	Cyclophosphamide, lyophilized, 500 mg	Procedure	HCPCS
J9096	Cyclophosphamide, lyophilized, 1 g	Procedure	HCPCS
J9097	Cyclophosphamide, lyophilized, 2 g	Procedure	HCPCS
J9098	Injection, cytarabine liposome, 10 mg	Procedure	HCPCS
J9100	Injection, cytarabine, 100 mg	Procedure	HCPCS
J9110	Injection, cytarabine, 500 mg	Procedure	HCPCS
J9113	Cemiplimab-rwlc	Procedure	HCPCS
J9118	Injection, calaspargase pegol-mknl, 10 units	Procedure	HCPCS
J9120	Injection, dactinomycin, 0.5 mg	Procedure	HCPCS
J9130	Dacarbazine, 100 mg	Procedure	HCPCS
J9140	Dacarbazine, 200 mg	Procedure	HCPCS
J9144	Injection, daratumumab, 10 mg and hyaluronidase-fihj	Procedure	HCPCS
J9150	Injection, daunorubicin, 10 mg	Procedure	HCPCS
J9151	Injection, daunorubicin citrate, liposomal formulation, 10 mg	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
J9153	Injection, liposomal, 1 mg daunorubicin and 2.27 mg cytarabine	Procedure	HCPCS
J9155	Injection, degarelix, 1 mg	Procedure	HCPCS
J9160	Injection, denileukin diftitox, 300 mcg	Procedure	HCPCS
J9170	Injection, docetaxel, 20 mg	Procedure	HCPCS
J9171	Injection, docetaxel, 1 mg	Procedure	HCPCS
J9173	Injection, durvalumab, 10 mg	Procedure	HCPCS
J9176	Injection, elotuzumab, 1 mg	Procedure	HCPCS
J9177	Injection, enfortumab vedotin-ejfv, 0.25 mg	Procedure	HCPCS
J9178	Injection, epirubicin HCl, 2 mg	Procedure	HCPCS
J9179	Injection, eribulin mesylate, 0.1 mg	Procedure	HCPCS
J9180	Epirubicin HCl, 50 mg	Procedure	HCPCS
J9181	Injection, etoposide, 10 mg	Procedure	HCPCS
J9182	Etoposide, 100 mg	Procedure	HCPCS
J9185	Injection, fludarabine phosphate, 50 mg	Procedure	HCPCS
J9190	Injection, fluorouracil, 500 mg	Procedure	HCPCS
J9198	Injection, gemcitabine hydrochloride, (Infugem), 100 mg	Procedure	HCPCS
J9200	Injection, floxuridine, 500 mg	Procedure	HCPCS
J9201	Injection, gemcitabine HCl, not otherwise specified, 200 mg	Procedure	HCPCS
J9202	Goserelin acetate implant, per 3.6 mg	Procedure	HCPCS
J9203	Injection, gemtuzumab ozogamicin, 0.1 mg	Procedure	HCPCS
J9204	Injection, mogamulizumab-kpkc, 1 mg	Procedure	HCPCS
J9205	Injection, irinotecan liposome, 1 mg	Procedure	HCPCS
J9206	Injection, irinotecan, 20 mg	Procedure	HCPCS
J9207	Injection, ixabepilone, 1 mg	Procedure	HCPCS
J9208	Injection, ifosfamide, 1 g	Procedure	HCPCS
J9209	Injection, mesna, 200 mg	Procedure	HCPCS
J9211	Injection, idarubicin HCl, 5 mg	Procedure	HCPCS
J9213	Injection, interferon, alfa-2a, recombinant, 3 million units	Procedure	HCPCS
J9214	Injection, interferon, alfa-2b, recombinant, 1 million units	Procedure	HCPCS
J9216	Injection, interferon, gamma 1-b, 3 million units	Procedure	HCPCS
J9217	Leuprolide acetate (for depot suspension), 7.5 mg	Procedure	HCPCS
J9218	Leuprolide acetate, per 1 mg	Procedure	HCPCS
J9219	Leuprolide acetate implant, 65 mg	Procedure	HCPCS
J9223	Injection, lurbinectedin, 0.1 mg	Procedure	HCPCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
J9225	Histrelin implant (Vantas), 50 mg	Procedure	HCPCS
J9226	Histrelin implant (Supprelin LA), 50 mg	Procedure	HCPCS
J9227	Injection, isatuximab-irfc, 10 mg	Procedure	HCPCS
J9228	Injection, ipilimumab, 1 mg	Procedure	HCPCS
J9229	Injection, inotuzumab ozogamicin, 0.1 mg	Procedure	HCPCS
J9230	Injection, mechlorethamine HCl, (nitrogen mustard), 10 mg	Procedure	HCPCS
J9245	Injection, melphalan hydrochloride, not otherwise specified, 50 mg	Procedure	HCPCS
J9246	Injection, melphalan (Evomela), 1 mg	Procedure	HCPCS
J9247	Injection, melphalan flufenamide, 1 mg	Procedure	HCPCS
J9250	Methotrexate sodium, 5 mg	Procedure	HCPCS
J9260	Methotrexate sodium, 50 mg	Procedure	HCPCS
J9261	Injection, nelarabine, 50 mg	Procedure	HCPCS
J9262	Injection, omacetaxine mepesuccinate, 0.01 mg	Procedure	HCPCS
J9263	Injection, oxaliplatin, 0.5 mg	Procedure	HCPCS
J9264	Injection, paclitaxel protein-bound particles, 1 mg	Procedure	HCPCS
J9265	Injection, paclitaxel, 30 mg	Procedure	HCPCS
J9266	Injection, pegaspargase, per single dose vial	Procedure	HCPCS
J9267	Injection, paclitaxel, 1 mg	Procedure	HCPCS
J9268	Injection, pentostatin, 10 mg	Procedure	HCPCS
J9269	Injection, tagraxofusp-erzs, 10 mcg	Procedure	HCPCS
J9270	Injection, plicamycin, 2.5 mg	Procedure	HCPCS
J9271	Injection, pembrolizumab, 1 mg	Procedure	HCPCS
J9272	Injection, dostarlimab-gxly, 10 mg	Procedure	HCPCS
J9273	Tisotumab vedodin-tftv	Procedure	HCPCS
J9280	Injection, mitomycin, 5 mg	Procedure	HCPCS
J9281	Mitomycin pyelocalyceal instillation, 1 mg	Procedure	HCPCS
J9285	Injection, olaratumab, 10 mg	Procedure	HCPCS
J9290	Mitomycin, 20 mg	Procedure	HCPCS
J9291	Mitomycin, 40 mg	Procedure	HCPCS
J9293	Injection, mitoxantrone HCl, per 5 mg	Procedure	HCPCS
J9295	Injection, necitumumab, 1 mg	Procedure	HCPCS
J9299	Injection, nivolumab, 1 mg	Procedure	HCPCS
J9300	Injection, gemtuzumab ozogamicin, 5 mg	Procedure	HCPCS
J9301	Injection, obinutuzumab, 10 mg	Procedure	HCPCS

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Code	Description	Code Category	Code Type
J9302	Injection, ofatumumab, 10 mg	Procedure	HCPCS
J9303	Injection, panitumumab, 10 mg	Procedure	HCPCS
J9304	Injection, pemetrexed (Pemfexy), 10 mg	Procedure	HCPCS
J9305	Injection, pemetrexed, NOS, 10 mg	Procedure	HCPCS
J9306	Injection, pertuzumab, 1 mg	Procedure	HCPCS
J9307	Injection, pralatrexate, 1 mg	Procedure	HCPCS
J9308	Injection, ramucirumab, 5 mg	Procedure	HCPCS
J9309	Injection, polatuzumab vedotin-piiq, 1 mg	Procedure	HCPCS
J9310	Injection, rituximab, 100 mg	Procedure	HCPCS
J9311	Injection, rituximab 10 mg and hyaluronidase	Procedure	HCPCS
J9312	Injection, rituximab, 10 mg	Procedure	HCPCS
J9313	Injection, moxetumomab pasudotox-tdfk, 0.01 mg	Procedure	HCPCS
J9315	Injection, romidepsin, 1 mg	Procedure	HCPCS
J9316	Injection, pertuzumab, trastuzumab, and hyaluronidase-zzxf, per 10 mg	Procedure	HCPCS
J9317	Injection, sacituzumab govitecan-hziy, 2.5 mg	Procedure	HCPCS
J9318	Injection, romidepsin, nonlyophilized, 0.1 mg	Procedure	HCPCS
J9319	Injection, romidepsin, lyophilized, 0.1 mg	Procedure	HCPCS
J9320	Injection, streptozocin, 1 g	Procedure	HCPCS
J9325	Injection, talimogene laherparepvec, per 1 million plaque forming units	Procedure	HCPCS
J9328	Injection, temozolomide, 1 mg	Procedure	HCPCS
J9330	Injection, temsirolimus, 1 mg	Procedure	HCPCS
J9340	Injection, thiotepa, 15 mg	Procedure	HCPCS
J9348	Injection, naxitamab-gqgk, 1 mg	Procedure	HCPCS
J9349	Injection, tafasitamab-cxix, 2 mg	Procedure	HCPCS
J9350	Injection, topotecan, 4 mg	Procedure	HCPCS
J9351	Injection, topotecan, 0.1 mg	Procedure	HCPCS
J9353	Injection, margetuximab-cmkb, 5 mg	Procedure	HCPCS
J9354	Injection, ado-trastuzumab emtansine, 1 mg	Procedure	HCPCS
J9355	Injection, trastuzumab, excludes biosimilar, 10 mg	Procedure	HCPCS
J9356	Injection, trastuzumab, 10 mg and hyaluronidase-oysk	Procedure	HCPCS
J9357	Injection, valrubicin, intravesical, 200 mg	Procedure	HCPCS
J9358	Injection, fam-trastuzumab deruxtecan-nxki, 1 mg	Procedure	HCPCS
J9359	Loncastuximab tesirine-lpyl	Procedure	HCPCS
J9360	Injection, vinblastine sulfate, 1 mg	Procedure	HCPCS

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Code	Description	Code Category	Code Type
J9370	Vincristine sulfate, 1 mg	Procedure	HCPCS
J9371	Injection, vincristine sulfate liposome, 1 mg	Procedure	HCPCS
J9375	Vincristine sulfate, 2 mg	Procedure	HCPCS
J9380	Vincristine sulfate, 5 mg	Procedure	HCPCS
J9390	Injection, vinorelbine tartrate, 10 mg	Procedure	HCPCS
J9395	Injection, fulvestrant, 25 mg	Procedure	HCPCS
J9400	Injection, ziv-aflibercept, 1 mg	Procedure	HCPCS
J9415	Daratumumab	Procedure	HCPCS
J9600	Injection, porfimer sodium, 75 mg	Procedure	HCPCS
J9999	Not otherwise classified, antineoplastic drugs	Procedure	HCPCS
Q0162	Ondansetron 1 mg, oral, FDA-approved prescription antiemetic, for use as a complete therapeutic substitute for an IV antiemetic at the time of chemotherapy treatment, not to exceed a 48-hour dosage regimen	Procedure	HCPCS
Q0166	Granisetron HCl, 1 mg, oral, FDA-approved prescription antiemetic, for use as a complete therapeutic substitute for an IV antiemetic at the time of chemotherapy treatment, not to exceed a 24-hour dosage regimen	Procedure	HCPCS
Q0167	Dronabinol, 2.5 mg, oral, FDA-approved prescription antiemetic, for use as a complete therapeutic substitute for an IV antiemetic at the time of chemotherapy treatment, not to exceed a 48-hour dosage regimen	Procedure	HCPCS
Q0168	Dronabinol, 5 mg, oral, FDA approved prescription antiemetic, for use as a complete therapeutic substitute for an IV antiemetic at the time of chemotherapy treatment, not to exceed a 48-hour dosage regimen	Procedure	HCPCS
Q0179	Ondansetron HCl 8 mg, oral, FDA approved prescription antiemetic, for use as a complete therapeutic substitute for an IV antiemetic at the time of chemotherapy treatment, not to exceed a 48-hour dosage regimen	Procedure	HCPCS
Q0180	Dolasetron mesylate, 100 mg, oral, FDA-approved prescription antiemetic, for use as a complete therapeutic substitute for an IV antiemetic at the time of chemotherapy treatment, not to exceed a 24-hour dosage regimen	Procedure	HCPCS
Q2017	Injection, teniposide, 50 mg	Procedure	HCPCS
Q2024	Injection, bevacizumab, 0.25 mg	Procedure	HCPCS
Q2025	Fludarabine phosphate, oral, 1 mg	Procedure	HCPCS
Q2043	Sipuleucel-T, minimum of 50 million autologous CD54+ cells activated with PAP-GM-CSF, including leukapheresis and all other preparatory procedures, per infusion	Procedure	HCPCS
Q2048	Injection, doxorubicin hydrochloride, liposomal, DOXIL, 10 mg	Procedure	HCPCS

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Code	Description	Code Category	Code Type
Q2049	Injection, doxorubicin HCl, liposomal, imported Lipodox, 10 mg	Procedure	HCPCS
Q2050	Injection, doxorubicin HCl, liposomal, not otherwise specified, 10 mg	Procedure	HCPCS
Q2051	Injection, zoledronic acid, not otherwise specified, 1 mg	Procedure	HCPCS
Q2053	Brexucabtagene autoleucel, up to 200 million autologous anti-CD19 CAR positive viable T cells, including leukapheresis and dose preparation procedures, per therapeutic dose	Procedure	HCPCS
Q2054	Lisocabtagene maraleucel, up to 110 million autologous anti-CD19 CAR-positive viable T cells, including leukapheresis and dose preparation procedures, per therapeutic dose	Procedure	HCPCS
Q2055	Idecabtagene vicleucel, up to 460 million autologous B-cell maturation antigen (BCMA) directed CAR-positive T cells, including leukapheresis and dose preparation procedures, per therapeutic dose	Procedure	HCPCS
Q5101	Injection, filgrastim-sndz, biosimilar, (Zarxio), 1 mcg	Procedure	HCPCS
Q5111	Injection, pegfilgrastim-cbqv, biosimilar, (Udenyca), 0.5 mg	Procedure	HCPCS
Q5112	Injection, trastuzumab-dttb, biosimilar, (Ontruzant), 10 mg	Procedure	HCPCS
Q5113	Injection, trastuzumab-pkrb, biosimilar, (Herzuma), 10 mg	Procedure	HCPCS
Q5114	Injection, Trastuzumab-dkst, biosimilar, (Ogivri), 10 mg	Procedure	HCPCS
Q5115	Injection, rituximab-abbs, biosimilar, (Truxima), 10 mg	Procedure	HCPCS
Q5116	Injection, trastuzumab-qyyp, biosimilar, (Trazimera), 10 mg	Procedure	HCPCS
Q5117	Injection, trastuzumab-anns, biosimilar, (Kanjinti), 10 mg	Procedure	HCPCS
Q5118	Injection, bevacizumab-bvzr, biosimilar, (Zirabev), 10 mg	Procedure	HCPCS
Q5119	Injection, rituximab-pvvr, biosimilar, (RUXIENCE), 10 mg	Procedure	HCPCS
Q5120	Injection, pegfilgrastim-bmez, biosimilar, (ZIENTENZO), 0.5 mg	Procedure	HCPCS
Q5122	Injection, pegfilgrastim-apgf, biosimilar, (Nyvepria), 0.5 mg	Procedure	HCPCS
Q5123	Injection, rituximab-arrx, biosimilar, (Riabni), 10 mg	Procedure	HCPCS
Q9978	Netupitant 300 mg and palonosetron 0.5 mg, oral	Procedure	HCPCS
Q9979	Injection, Alemtuzumab, 1 mg	Procedure	HCPCS
S0087	Injection, alemtuzumab, 30 mg	Procedure	HCPCS
S0088	Imatinib, 100 mg	Procedure	HCPCS
S0091	Granisetron HCl, 1 mg (for circumstances falling under the Medicare statute, use Q0166)	Procedure	HCPCS
S0108	Mercaptopurine, oral, 50 mg	Procedure	HCPCS
S0115	Bortezomib, 3.5 mg	Procedure	HCPCS
S0116	Bevacizumab, 100 mg	Procedure	HCPCS



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Code	Description	Code Category	Code Type
S0119	Ondansetron, oral, 4 mg (for circumstances falling under the Medicare statute, use HCPCS Q code)	Procedure	HCPCS
S0145	Injection, PEGylated interferon alfa-2A, 180 mcg per ml	Procedure	HCPCS
S0146	Injection, pegylated interferon alfa-2b, 10 mcg per 0.5 ml	Procedure	HCPCS
S0156	Exemestane, 25 mg	Procedure	HCPCS
S0165	Injection, abarelix, 100 mg	Procedure	HCPCS
S0168	Injection, azacitidine, 100 mg	Procedure	HCPCS
S0170	Anastrozole, oral, 1 mg	Procedure	HCPCS
S0172	Chlorambucil, oral, 2 mg	Procedure	HCPCS
S0174	Dolasetron mesylate, oral 50 mg (for circumstances falling under the Medicare statute, use Q0180)	Procedure	HCPCS
S0176	Hydroxyurea, oral, 500 mg	Procedure	HCPCS
S0177	Levamisole HCl, oral, 50 mg	Procedure	HCPCS
S0178	Lomustine, oral, 10 mg	Procedure	HCPCS
S0179	Megestrol acetate, oral, 20 mg	Procedure	HCPCS
S0181	Ondansetron HCl, oral, 4 mg (for circumstances falling under the Medicare statute, use Q0179)	Procedure	HCPCS
S0182	Procarbazine HCl, oral, 50 mg	Procedure	HCPCS
S0187	Tamoxifen citrate, oral, 10 mg	Procedure	HCPCS
S0190	Mifepristone, oral, 200 mg	Procedure	HCPCS
S2107	Adoptive immunotherapy i.e. development of specific antitumor reactivity (e.g., tumor-infiltrating lymphocyte therapy) per course of treatment	Procedure	HCPCS
S9338	Home infusion therapy, immunotherapy, administrative services, professional pharmacy services, care coordination, and all necessary supplies and equipment (drugs and nursing visits coded separately), per diem	Procedure	HCPCS
V58.11	Encounter for antineoplastic chemotherapy	Diagnosis	ICD-9-CM
V58.12	Encounter for antineoplastic immunotherapy	Diagnosis	ICD-9-CM
XW03351	Introduction of Blinatumomab Antineoplastic Immunotherapy into Peripheral Vein, Percutaneous Approach, New Technology Group 1	Procedure	ICD-10-PCS
XW033B3	Introduction of Cytarabine and Daunorubicin Liposome Antineoplastic into Peripheral Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS
XW033C3	Introduction of Engineered Autologous Chimeric Antigen Receptor T-cell Immunotherapy into Peripheral Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS



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Code	Description	Code Category	Code Type
XW033Q5	Introduction of Tagraxofusp-erzs Antineoplastic into Peripheral Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW033S5	Introduction of Iobenguane I-131 Antineoplastic into Peripheral Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW04351	Introduction of Blinatumomab Antineoplastic Immunotherapy into Central Vein, Percutaneous Approach, New Technology Group 1	Procedure	ICD-10-PCS
XW043B3	Introduction of Cytarabine and Daunorubicin Liposome Antineoplastic into Central Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS
XW043C3	Introduction of Engineered Autologous Chimeric Antigen Receptor T-cell Immunotherapy into Central Vein, Percutaneous Approach, New Technology Group 3	Procedure	ICD-10-PCS
XW043Q5	Introduction of Tagraxofusp-erzs Antineoplastic into Central Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW043S5	Introduction of Iobenguane I-131 Antineoplastic into Central Vein, Percutaneous Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW0DXL5	Introduction of Erdafitinib Antineoplastic into Mouth and Pharynx, External Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW0DXR5	Introduction of Venetoclax Antineoplastic into Mouth and Pharynx, External Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW0DXT5	Introduction of Ruxolitinib into Mouth and Pharynx, External Approach, New Technology Group 5	Procedure	ICD-10-PCS
XW0DXV5	Introduction of Gilteritinib Antineoplastic into Mouth and Pharynx, External Approach, New Technology Group 5	Procedure	ICD-10-PCS
Z51.1	Encounter for antineoplastic chemotherapy and immunotherapy	Diagnosis	ICD-10-CM
Z51.11	Encounter for antineoplastic chemotherapy	Diagnosis	ICD-10-CM
Z51.12	Encounter for antineoplastic immunotherapy	Diagnosis	ICD-10-CM
<b>Cancer-Related Surgery</b>			
00500ZZ	Destruction of Brain, Open Approach	Procedure	ICD-10-PCS
00503ZZ	Destruction of Brain, Percutaneous Approach	Procedure	ICD-10-PCS
00504ZZ	Destruction of Brain, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00570ZZ	Destruction of Cerebral Hemisphere, Open Approach	Procedure	ICD-10-PCS
00573ZZ	Destruction of Cerebral Hemisphere, Percutaneous Approach	Procedure	ICD-10-PCS
00574ZZ	Destruction of Cerebral Hemisphere, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00580ZZ	Destruction of Pons, Open Approach	Procedure	ICD-10-PCS

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Code	Description	Code Category	Code Type
005B3ZZ	Destruction of Pons, Percutaneous Approach	Procedure	ICD-10-PCS
005B4ZZ	Destruction of Pons, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
005C0ZZ	Destruction of Cerebellum, Open Approach	Procedure	ICD-10-PCS
005C3ZZ	Destruction of Cerebellum, Percutaneous Approach	Procedure	ICD-10-PCS
005C4ZZ	Destruction of Cerebellum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
005D0ZZ	Destruction of Medulla Oblongata, Open Approach	Procedure	ICD-10-PCS
005D3ZZ	Destruction of Medulla Oblongata, Percutaneous Approach	Procedure	ICD-10-PCS
005D4ZZ	Destruction of Medulla Oblongata, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0061T	Destruction/reduction of malignant breast tumor including breast carcinoma cells in the margins, microwave phased array thermotherapy, disposable catheter with combined temperature monitoring probe and microwave sensor, externally applied microwave energy, including interstitial placement of sensor	Procedure	CPT-3
00B00ZZ	Excision of Brain, Open Approach	Procedure	ICD-10-PCS
00B03ZZ	Excision of Brain, Percutaneous Approach	Procedure	ICD-10-PCS
00B04ZZ	Excision of Brain, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00B60ZZ	Excision of Cerebral Ventricle, Open Approach	Procedure	ICD-10-PCS
00B63ZZ	Excision of Cerebral Ventricle, Percutaneous Approach	Procedure	ICD-10-PCS
00B64ZZ	Excision of Cerebral Ventricle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00B70ZZ	Excision of Cerebral Hemisphere, Open Approach	Procedure	ICD-10-PCS
00B73ZZ	Excision of Cerebral Hemisphere, Percutaneous Approach	Procedure	ICD-10-PCS
00B74ZZ	Excision of Cerebral Hemisphere, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00B80ZZ	Excision of Pons, Open Approach	Procedure	ICD-10-PCS
00B83ZZ	Excision of Pons, Percutaneous Approach	Procedure	ICD-10-PCS
00B84ZZ	Excision of Pons, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00BC0ZZ	Excision of Cerebellum, Open Approach	Procedure	ICD-10-PCS
00BC3ZZ	Excision of Cerebellum, Percutaneous Approach	Procedure	ICD-10-PCS
00BC4ZZ	Excision of Cerebellum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00BD0ZZ	Excision of Medulla Oblongata, Open Approach	Procedure	ICD-10-PCS
00BD3ZZ	Excision of Medulla Oblongata, Percutaneous Approach	Procedure	ICD-10-PCS
00BD4ZZ	Excision of Medulla Oblongata, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
00T70ZZ	Resection of Cerebral Hemisphere, Open Approach	Procedure	ICD-10-PCS
00T73ZZ	Resection of Cerebral Hemisphere, Percutaneous Approach	Procedure	ICD-10-PCS
00T74ZZ	Resection of Cerebral Hemisphere, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
01.52	Hemispherectomy	Procedure	ICD-9-CM

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Code	Description	Code Category	Code Type
01.53	Lobectomy of brain	Procedure	ICD-9-CM
01.59	Other excision or destruction of lesion or tissue of brain	Procedure	ICD-9-CM
01.6	Excision of lesion of skull	Procedure	ICD-9-CM
01150	Anesthesia for radical procedures for tumor of pelvis, except hindquarter amputation	Procedure	CPT-4
0135T	Ablation, renal tumor(s), unilateral, percutaneous, cryotherapy	Procedure	CPT-3
0184T	Excision of rectal tumor, transanal endoscopic microsurgical approach (ie, TEMS), including muscularis propria (ie, full thickness)	Procedure	CPT-3
01B30ZZ	Excision of Brachial Plexus, Open Approach	Procedure	ICD-10-PCS
01BL0ZZ	Excision of Thoracic Sympathetic Nerve, Open Approach	Procedure	ICD-10-PCS
0301T	Destruction/reduction of malignant breast tumor with externally applied focused microwave, including interstitial placement of disposable catheter with combined temperature monitoring probe and microwave focusing sensocatheter under ultrasound thermotherapy guidance	Procedure	CPT-3
0340T	Ablation, pulmonary tumor(s), including pleura or chest wall when involved by tumor extension, percutaneous, cryoablation, unilateral, includes imaging guidance	Procedure	CPT-3
0581T	Ablation, malignant breast tumor(s), percutaneous, cryotherapy, including imaging guidance when performed, unilateral	Procedure	CPT-3
06.2	Unilateral thyroid lobectomy	Procedure	ICD-9-CM
06.3	Other partial thyroidectomy	Procedure	ICD-9-CM
06.31	Excision of lesion of thyroid	Procedure	ICD-9-CM
06.39	Other partial thyroidectomy	Procedure	ICD-9-CM
06.4	Complete thyroidectomy	Procedure	ICD-9-CM
06.5	Substernal thyroidectomy	Procedure	ICD-9-CM
06.50	Substernal thyroidectomy, not otherwise specified	Procedure	ICD-9-CM
06.51	Partial substernal thyroidectomy	Procedure	ICD-9-CM
06.52	Complete substernal thyroidectomy	Procedure	ICD-9-CM
06.6	Excision of lingual thyroid	Procedure	ICD-9-CM
0600T	Ablation, irreversible electroporation; 1 or more tumors per organ, including imaging guidance, when performed, percutaneous	Procedure	CPT-3
0601T	Ablation, irreversible electroporation; 1 or more tumors, including fluoroscopic and ultrasound guidance, when performed, open	Procedure	CPT-3
07T50ZZ	Resection of Right Axillary Lymphatic, Open Approach	Procedure	ICD-10-PCS
07T60ZZ	Resection of Left Axillary Lymphatic, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
07T70ZZ	Resection of Thorax Lymphatic, Open Approach	Procedure	ICD-10-PCS
07T80ZZ	Resection of Right Internal Mammary Lymphatic, Open Approach	Procedure	ICD-10-PCS
07T90ZZ	Resection of Left Internal Mammary Lymphatic, Open Approach	Procedure	ICD-10-PCS
08.20	Removal of lesion of eyelid, not otherwise specified	Procedure	ICD-9-CM
08.23	Excision of major lesion of eyelid, partial-thickness	Procedure	ICD-9-CM
08.24	Excision of major lesion of eyelid, full-thickness	Procedure	ICD-9-CM
08BN0ZZ	Excision of Right Upper Eyelid, Open Approach	Procedure	ICD-10-PCS
08BN3ZZ	Excision of Right Upper Eyelid, Percutaneous Approach	Procedure	ICD-10-PCS
08BNXZZ	Excision of Right Upper Eyelid, External Approach	Procedure	ICD-10-PCS
08BP0ZZ	Excision of Left Upper Eyelid, Open Approach	Procedure	ICD-10-PCS
08BP3ZZ	Excision of Left Upper Eyelid, Percutaneous Approach	Procedure	ICD-10-PCS
08BPXZZ	Excision of Left Upper Eyelid, External Approach	Procedure	ICD-10-PCS
08BQ0ZZ	Excision of Right Lower Eyelid, Open Approach	Procedure	ICD-10-PCS
08BQ3ZZ	Excision of Right Lower Eyelid, Percutaneous Approach	Procedure	ICD-10-PCS
08BQXZZ	Excision of Right Lower Eyelid, External Approach	Procedure	ICD-10-PCS
08BR0ZZ	Excision of Left Lower Eyelid, Open Approach	Procedure	ICD-10-PCS
08BR3ZZ	Excision of Left Lower Eyelid, Percutaneous Approach	Procedure	ICD-10-PCS
08BRXZZ	Excision of Left Lower Eyelid, External Approach	Procedure	ICD-10-PCS
09500ZZ	Destruction of Right External Ear, Open Approach	Procedure	ICD-10-PCS
09503ZZ	Destruction of Right External Ear, Percutaneous Approach	Procedure	ICD-10-PCS
09504ZZ	Destruction of Right External Ear, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0950XZZ	Destruction of Right External Ear, External Approach	Procedure	ICD-10-PCS
09510ZZ	Destruction of Left External Ear, Open Approach	Procedure	ICD-10-PCS
09513ZZ	Destruction of Left External Ear, Percutaneous Approach	Procedure	ICD-10-PCS
09514ZZ	Destruction of Left External Ear, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0951XZZ	Destruction of Left External Ear, External Approach	Procedure	ICD-10-PCS
09530ZZ	Destruction of Right External Auditory Canal, Open Approach	Procedure	ICD-10-PCS
09533ZZ	Destruction of Right External Auditory Canal, Percutaneous Approach	Procedure	ICD-10-PCS
09534ZZ	Destruction of Right External Auditory Canal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
09537ZZ	Destruction of Right External Auditory Canal, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
09538ZZ	Destruction of Right External Auditory Canal, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0953XZZ	Destruction of Right External Auditory Canal, External Approach	Procedure	ICD-10-PCS
09540ZZ	Destruction of Left External Auditory Canal, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
09543ZZ	Destruction of Left External Auditory Canal, Percutaneous Approach	Procedure	ICD-10-PCS
09544ZZ	Destruction of Left External Auditory Canal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
09547ZZ	Destruction of Left External Auditory Canal, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
09548ZZ	Destruction of Left External Auditory Canal, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0954XZZ	Destruction of Left External Auditory Canal, External Approach	Procedure	ICD-10-PCS
095K0ZZ	Destruction of Nasal Mucosa and Soft Tissue, Open Approach	Procedure	ICD-10-PCS
095K3ZZ	Destruction of Nasal Mucosa and Soft Tissue, Percutaneous Approach	Procedure	ICD-10-PCS
095K4ZZ	Destruction of Nasal Mucosa and Soft Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
095K8ZZ	Destruction of Nasal Mucosa and Soft Tissue, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
095KXZZ	Destruction of Nasal Mucosa and Soft Tissue, External Approach	Procedure	ICD-10-PCS
095M0ZZ	Destruction of Nasal Septum, Open Approach	Procedure	ICD-10-PCS
095M3ZZ	Destruction of Nasal Septum, Percutaneous Approach	Procedure	ICD-10-PCS
095M4ZZ	Destruction of Nasal Septum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
095M8ZZ	Destruction of Nasal Septum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
09B00ZZ	Excision of Right External Ear, Open Approach	Procedure	ICD-10-PCS
09B03ZZ	Excision of Right External Ear, Percutaneous Approach	Procedure	ICD-10-PCS
09B04ZZ	Excision of Right External Ear, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
09B0XZZ	Excision of Right External Ear, External Approach	Procedure	ICD-10-PCS
09B10ZZ	Excision of Left External Ear, Open Approach	Procedure	ICD-10-PCS
09B13ZZ	Excision of Left External Ear, Percutaneous Approach	Procedure	ICD-10-PCS
09B14ZZ	Excision of Left External Ear, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
09B1XZZ	Excision of Left External Ear, External Approach	Procedure	ICD-10-PCS
09B30ZZ	Excision of Right External Auditory Canal, Open Approach	Procedure	ICD-10-PCS
09B33ZZ	Excision of Right External Auditory Canal, Percutaneous Approach	Procedure	ICD-10-PCS
09B34ZZ	Excision of Right External Auditory Canal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
09B37ZZ	Excision of Right External Auditory Canal, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
09B38ZZ	Excision of Right External Auditory Canal, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
09B3XZZ	Excision of Right External Auditory Canal, External Approach	Procedure	ICD-10-PCS
09B40ZZ	Excision of Left External Auditory Canal, Open Approach	Procedure	ICD-10-PCS
09B43ZZ	Excision of Left External Auditory Canal, Percutaneous Approach	Procedure	ICD-10-PCS
09B44ZZ	Excision of Left External Auditory Canal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
09B47ZZ	Excision of Left External Auditory Canal, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
09B48ZZ	Excision of Left External Auditory Canal, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
09B4XZZ	Excision of Left External Auditory Canal, External Approach	Procedure	ICD-10-PCS
09BK0ZZ	Excision of Nasal Mucosa and Soft Tissue, Open Approach	Procedure	ICD-10-PCS
09BK3ZZ	Excision of Nasal Mucosa and Soft Tissue, Percutaneous Approach	Procedure	ICD-10-PCS
09BK4ZZ	Excision of Nasal Mucosa and Soft Tissue, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
09BK8ZZ	Excision of Nasal Mucosa and Soft Tissue, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
09BKXZZ	Excision of Nasal Mucosa and Soft Tissue, External Approach	Procedure	ICD-10-PCS
0B5C0ZZ	Destruction of Right Upper Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0B5C3ZZ	Destruction of Right Upper Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0B5C7ZZ	Destruction of Right Upper Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5D0ZZ	Destruction of Right Middle Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0B5D3ZZ	Destruction of Right Middle Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0B5D7ZZ	Destruction of Right Middle Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5F0ZZ	Destruction of Right Lower Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0B5F3ZZ	Destruction of Right Lower Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0B5F7ZZ	Destruction of Right Lower Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5G0ZZ	Destruction of Left Upper Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0B5G3ZZ	Destruction of Left Upper Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0B5G7ZZ	Destruction of Left Upper Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5H0ZZ	Destruction of Lung Lingula, Open Approach	Procedure	ICD-10-PCS
0B5H3ZZ	Destruction of Lung Lingula, Percutaneous Approach	Procedure	ICD-10-PCS
0B5H7ZZ	Destruction of Lung Lingula, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5J0ZZ	Destruction of Left Lower Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0B5J3ZZ	Destruction of Left Lower Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0B5J7ZZ	Destruction of Left Lower Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5K0ZZ	Destruction of Right Lung, Open Approach	Procedure	ICD-10-PCS
0B5K3ZZ	Destruction of Right Lung, Percutaneous Approach	Procedure	ICD-10-PCS
0B5K7ZZ	Destruction of Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5L0ZZ	Destruction of Left Lung, Open Approach	Procedure	ICD-10-PCS
0B5L3ZZ	Destruction of Left Lung, Percutaneous Approach	Procedure	ICD-10-PCS
0B5L7ZZ	Destruction of Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B5M0ZZ	Destruction of Bilateral Lungs, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0B5M3ZZ	Destruction of Bilateral Lungs, Percutaneous Approach	Procedure	ICD-10-PCS
0B5M7ZZ	Destruction of Bilateral Lungs, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0B9N00Z	Drainage of Right Pleura with Drainage Device, Open Approach	Procedure	ICD-10-PCS
0B9N0ZZ	Drainage of Right Pleura, Open Approach	Procedure	ICD-10-PCS
0B9N30Z	Drainage of Right Pleura with Drainage Device, Percutaneous Approach	Procedure	ICD-10-PCS
0B9N40Z	Drainage of Right Pleura with Drainage Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0B9N4ZZ	Drainage of Right Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0B9N80Z	Drainage of Right Pleura with Drainage Device, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0B9P00Z	Drainage of Left Pleura with Drainage Device, Open Approach	Procedure	ICD-10-PCS
0B9P0ZZ	Drainage of Left Pleura, Open Approach	Procedure	ICD-10-PCS
0B9P30Z	Drainage of Left Pleura with Drainage Device, Percutaneous Approach	Procedure	ICD-10-PCS
0B9P40Z	Drainage of Left Pleura with Drainage Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0B9P4ZZ	Drainage of Left Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0B9P80Z	Drainage of Left Pleura with Drainage Device, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BBC0ZZ	Excision of Right Upper Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0BBC3ZZ	Excision of Right Upper Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0BBC4ZZ	Excision of Right Upper Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBC7ZZ	Excision of Right Upper Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBD0ZZ	Excision of Right Middle Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0BBD3ZZ	Excision of Right Middle Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0BBD4ZZ	Excision of Right Middle Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBD7ZZ	Excision of Right Middle Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBF0ZZ	Excision of Right Lower Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0BBF3ZZ	Excision of Right Lower Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0BBF4ZZ	Excision of Right Lower Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBF7ZZ	Excision of Right Lower Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBG0ZZ	Excision of Left Upper Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0BBG3ZZ	Excision of Left Upper Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0BBG4ZZ	Excision of Left Upper Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBG7ZZ	Excision of Left Upper Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBH0ZZ	Excision of Lung Lingula, Open Approach	Procedure	ICD-10-PCS
0BBH3ZZ	Excision of Lung Lingula, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0BBH4ZZ	Excision of Lung Lingula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBH7ZZ	Excision of Lung Lingula, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBJ0ZZ	Excision of Left Lower Lung Lobe, Open Approach	Procedure	ICD-10-PCS
0BBJ3ZZ	Excision of Left Lower Lung Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0BBJ4ZZ	Excision of Left Lower Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBJ7ZZ	Excision of Left Lower Lung Lobe, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBK0ZZ	Excision of Right Lung, Open Approach	Procedure	ICD-10-PCS
0BBK3ZZ	Excision of Right Lung, Percutaneous Approach	Procedure	ICD-10-PCS
0BBK4ZZ	Excision of Right Lung, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBK7ZZ	Excision of Right Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBL0ZZ	Excision of Left Lung, Open Approach	Procedure	ICD-10-PCS
0BBL3ZZ	Excision of Left Lung, Percutaneous Approach	Procedure	ICD-10-PCS
0BBL4ZZ	Excision of Left Lung, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBL7ZZ	Excision of Left Lung, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBM0ZZ	Excision of Bilateral Lungs, Open Approach	Procedure	ICD-10-PCS
0BBM3ZZ	Excision of Bilateral Lungs, Percutaneous Approach	Procedure	ICD-10-PCS
0BBM7ZZ	Excision of Bilateral Lungs, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BBN0ZZ	Excision of Right Pleura, Open Approach	Procedure	ICD-10-PCS
0BBN3ZZ	Excision of Right Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BBN4ZZ	Excision of Right Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBN8ZZ	Excision of Right Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BBP0ZZ	Excision of Left Pleura, Open Approach	Procedure	ICD-10-PCS
0BBP3ZZ	Excision of Left Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BBP4ZZ	Excision of Left Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BBP8ZZ	Excision of Left Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BCN0ZZ	Extirpation of Matter from Right Pleura, Open Approach	Procedure	ICD-10-PCS
0BCN3ZZ	Extirpation of Matter from Right Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BCN4ZZ	Extirpation of Matter from Right Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BCP0ZZ	Extirpation of Matter from Left Pleura, Open Approach	Procedure	ICD-10-PCS
0BCP3ZZ	Extirpation of Matter from Left Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BCP4ZZ	Extirpation of Matter from Left Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BDN0ZX	Extraction of Right Pleura, Open Approach, Diagnostic	Procedure	ICD-10-PCS
0BDN0ZZ	Extraction of Right Pleura, Open Approach	Procedure	ICD-10-PCS
0BDN3ZX	Extraction of Right Pleura, Percutaneous Approach, Diagnostic	Procedure	ICD-10-PCS



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Code	Description	Code Category	Code Type
0BDN3ZZ	Extraction of Right Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BDN4ZX	Extraction of Right Pleura, Percutaneous Endoscopic Approach, Diagnostic	Procedure	ICD-10-PCS
0BDN4ZZ	Extraction of Right Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BDP0ZX	Extraction of Left Pleura, Open Approach, Diagnostic	Procedure	ICD-10-PCS
0BDP0ZZ	Extraction of Left Pleura, Open Approach	Procedure	ICD-10-PCS
0BDP3ZX	Extraction of Left Pleura, Percutaneous Approach, Diagnostic	Procedure	ICD-10-PCS
0BDP3ZZ	Extraction of Left Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BDP4ZX	Extraction of Left Pleura, Percutaneous Endoscopic Approach, Diagnostic	Procedure	ICD-10-PCS
0BDP4ZZ	Extraction of Left Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BHQ0YZ	Insertion of Other Device into Pleura, Open Approach	Procedure	ICD-10-PCS
0BHQ3YZ	Insertion of Other Device into Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BHQ4YZ	Insertion of Other Device into Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BHQ7YZ	Insertion of Other Device into Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BHQ8YZ	Insertion of Other Device into Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BPQ00Z	Removal of Drainage Device from Pleura, Open Approach	Procedure	ICD-10-PCS
0BPQ01Z	Removal of Radioactive Element from Pleura, Open Approach	Procedure	ICD-10-PCS
0BPQ02Z	Removal of Monitoring Device from Pleura, Open Approach	Procedure	ICD-10-PCS
0BPQ0YZ	Removal of Other Device from Pleura, Open Approach	Procedure	ICD-10-PCS
0BPQ30Z	Removal of Drainage Device from Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BPQ31Z	Removal of Radioactive Element from Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BPQ32Z	Removal of Monitoring Device from Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BPQ3YZ	Removal of Other Device from Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
0BPQ40Z	Removal of Drainage Device from Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BPQ41Z	Removal of Radioactive Element from Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BPQ42Z	Removal of Monitoring Device from Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BPQ4YZ	Removal of Other Device from Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0BPQ70Z	Removal of Drainage Device from Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BPQ71Z	Removal of Radioactive Element from Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BPQ72Z	Removal of Monitoring Device from Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BPQ7YZ	Removal of Other Device from Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0BPQ80Z	Removal of Drainage Device from Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BPQ81Z	Removal of Radioactive Element from Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OBPQ82Z	Removal of Monitoring Device from Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OBPQ8YZ	Removal of Other Device from Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OBTC0ZZ	Resection of Right Upper Lung Lobe, Open Approach	Procedure	ICD-10-PCS
OBTC4ZZ	Resection of Right Upper Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTD0ZZ	Resection of Right Middle Lung Lobe, Open Approach	Procedure	ICD-10-PCS
OBTD4ZZ	Resection of Right Middle Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTF0ZZ	Resection of Right Lower Lung Lobe, Open Approach	Procedure	ICD-10-PCS
OBTF4ZZ	Resection of Right Lower Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTG0ZZ	Resection of Left Upper Lung Lobe, Open Approach	Procedure	ICD-10-PCS
OBTG4ZZ	Resection of Left Upper Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTH0ZZ	Resection of Lung Lingula, Open Approach	Procedure	ICD-10-PCS
OBTH4ZZ	Resection of Lung Lingula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTJ0ZZ	Resection of Left Lower Lung Lobe, Open Approach	Procedure	ICD-10-PCS
OBTJ4ZZ	Resection of Left Lower Lung Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTK0ZZ	Resection of Right Lung, Open Approach	Procedure	ICD-10-PCS
OBTK4ZZ	Resection of Right Lung, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTL0ZZ	Resection of Left Lung, Open Approach	Procedure	ICD-10-PCS
OBTL4ZZ	Resection of Left Lung, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBTM0ZZ	Resection of Bilateral Lungs, Open Approach	Procedure	ICD-10-PCS
OBTM4ZZ	Resection of Bilateral Lungs, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBWQ00Z	Revision of Drainage Device in Pleura, Open Approach	Procedure	ICD-10-PCS
OBWQ02Z	Revision of Monitoring Device in Pleura, Open Approach	Procedure	ICD-10-PCS
OBWQ0YZ	Revision of Other Device in Pleura, Open Approach	Procedure	ICD-10-PCS
OBWQ30Z	Revision of Drainage Device in Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
OBWQ32Z	Revision of Monitoring Device in Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
OBWQ3YZ	Revision of Other Device in Pleura, Percutaneous Approach	Procedure	ICD-10-PCS
OBWQ40Z	Revision of Drainage Device in Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBWQ42Z	Revision of Monitoring Device in Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBWQ4YZ	Revision of Other Device in Pleura, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OBWQ70Z	Revision of Drainage Device in Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OBWQ72Z	Revision of Monitoring Device in Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OBWQ7YZ	Revision of Other Device in Pleura, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OBWQ80Z	Revision of Drainage Device in Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0BWQ82Z	Revision of Monitoring Device in Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0BWQ8YZ	Revision of Other Device in Pleura, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0C500ZZ	Destruction of Upper Lip, Open Approach	Procedure	ICD-10-PCS
0C503ZZ	Destruction of Upper Lip, Percutaneous Approach	Procedure	ICD-10-PCS
0C50XZZ	Destruction of Upper Lip, External Approach	Procedure	ICD-10-PCS
0C510ZZ	Destruction of Lower Lip, Open Approach	Procedure	ICD-10-PCS
0C513ZZ	Destruction of Lower Lip, Percutaneous Approach	Procedure	ICD-10-PCS
0C51XZZ	Destruction of Lower Lip, External Approach	Procedure	ICD-10-PCS
0CB00ZZ	Excision of Upper Lip, Open Approach	Procedure	ICD-10-PCS
0CB03ZZ	Excision of Upper Lip, Percutaneous Approach	Procedure	ICD-10-PCS
0CB0XZZ	Excision of Upper Lip, External Approach	Procedure	ICD-10-PCS
0CB10ZZ	Excision of Lower Lip, Open Approach	Procedure	ICD-10-PCS
0CB13ZZ	Excision of Lower Lip, Percutaneous Approach	Procedure	ICD-10-PCS
0CB1XZZ	Excision of Lower Lip, External Approach	Procedure	ICD-10-PCS
0CB70ZZ	Excision of Tongue, Open Approach	Procedure	ICD-10-PCS
0CB73ZZ	Excision of Tongue, Percutaneous Approach	Procedure	ICD-10-PCS
0CB7XZZ	Excision of Tongue, External Approach	Procedure	ICD-10-PCS
0D11076	Bypass Upper Esophagus to Stomach with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D11079	Bypass Upper Esophagus to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1107A	Bypass Upper Esophagus to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1107B	Bypass Upper Esophagus to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D110J6	Bypass Upper Esophagus to Stomach with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D110J9	Bypass Upper Esophagus to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D110JA	Bypass Upper Esophagus to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D110JB	Bypass Upper Esophagus to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D110K6	Bypass Upper Esophagus to Stomach with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D110K9	Bypass Upper Esophagus to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D110KA	Bypass Upper Esophagus to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D110KB	Bypass Upper Esophagus to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D110Z6	Bypass Upper Esophagus to Stomach, Open Approach	Procedure	ICD-10-PCS
0D110Z9	Bypass Upper Esophagus to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D110ZA	Bypass Upper Esophagus to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D110ZB	Bypass Upper Esophagus to Ileum, Open Approach	Procedure	ICD-10-PCS
0D11476	Bypass Upper Esophagus to Stomach with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D11479	Bypass Upper Esophagus to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1147A	Bypass Upper Esophagus to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1147B	Bypass Upper Esophagus to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114J6	Bypass Upper Esophagus to Stomach with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114J9	Bypass Upper Esophagus to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114JA	Bypass Upper Esophagus to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114JB	Bypass Upper Esophagus to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114K6	Bypass Upper Esophagus to Stomach with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114K9	Bypass Upper Esophagus to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114KA	Bypass Upper Esophagus to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114KB	Bypass Upper Esophagus to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114Z6	Bypass Upper Esophagus to Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114Z9	Bypass Upper Esophagus to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D114ZA	Bypass Upper Esophagus to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D114ZB	Bypass Upper Esophagus to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D11879	Bypass Upper Esophagus to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1187A	Bypass Upper Esophagus to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1187B	Bypass Upper Esophagus to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118J9	Bypass Upper Esophagus to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118JA	Bypass Upper Esophagus to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118JB	Bypass Upper Esophagus to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118K9	Bypass Upper Esophagus to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118KA	Bypass Upper Esophagus to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118KB	Bypass Upper Esophagus to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118Z9	Bypass Upper Esophagus to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118ZA	Bypass Upper Esophagus to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D118ZB	Bypass Upper Esophagus to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D12076	Bypass Middle Esophagus to Stomach with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D12079	Bypass Middle Esophagus to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1207A	Bypass Middle Esophagus to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1207B	Bypass Middle Esophagus to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D120J6	Bypass Middle Esophagus to Stomach with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D120J9	Bypass Middle Esophagus to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D120JA	Bypass Middle Esophagus to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D120JB	Bypass Middle Esophagus to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D120K6	Bypass Middle Esophagus to Stomach with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D120K9	Bypass Middle Esophagus to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D120KA	Bypass Middle Esophagus to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D120KB	Bypass Middle Esophagus to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D120Z6	Bypass Middle Esophagus to Stomach, Open Approach	Procedure	ICD-10-PCS
0D120Z9	Bypass Middle Esophagus to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D120ZA	Bypass Middle Esophagus to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D120ZB	Bypass Middle Esophagus to Ileum, Open Approach	Procedure	ICD-10-PCS
0D12476	Bypass Middle Esophagus to Stomach with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D12479	Bypass Middle Esophagus to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1247A	Bypass Middle Esophagus to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1247B	Bypass Middle Esophagus to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124J6	Bypass Middle Esophagus to Stomach with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124J9	Bypass Middle Esophagus to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124JA	Bypass Middle Esophagus to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124JB	Bypass Middle Esophagus to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124K6	Bypass Middle Esophagus to Stomach with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124K9	Bypass Middle Esophagus to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D124KA	Bypass Middle Esophagus to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124KB	Bypass Middle Esophagus to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124Z6	Bypass Middle Esophagus to Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124Z9	Bypass Middle Esophagus to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124ZA	Bypass Middle Esophagus to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D124ZB	Bypass Middle Esophagus to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D12876	Bypass Middle Esophagus to Stomach with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D12879	Bypass Middle Esophagus to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1287A	Bypass Middle Esophagus to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1287B	Bypass Middle Esophagus to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128J6	Bypass Middle Esophagus to Stomach with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128J9	Bypass Middle Esophagus to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128JA	Bypass Middle Esophagus to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128JB	Bypass Middle Esophagus to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128K6	Bypass Middle Esophagus to Stomach with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128K9	Bypass Middle Esophagus to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128KA	Bypass Middle Esophagus to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128KB	Bypass Middle Esophagus to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128Z6	Bypass Middle Esophagus to Stomach, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D128Z9	Bypass Middle Esophagus to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128ZA	Bypass Middle Esophagus to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D128ZB	Bypass Middle Esophagus to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D13076	Bypass Lower Esophagus to Stomach with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D13079	Bypass Lower Esophagus to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1307A	Bypass Lower Esophagus to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1307B	Bypass Lower Esophagus to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D130J6	Bypass Lower Esophagus to Stomach with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D130J9	Bypass Lower Esophagus to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D130JA	Bypass Lower Esophagus to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D130JB	Bypass Lower Esophagus to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D130K6	Bypass Lower Esophagus to Stomach with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D130K9	Bypass Lower Esophagus to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D130KA	Bypass Lower Esophagus to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D130KB	Bypass Lower Esophagus to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D130Z6	Bypass Lower Esophagus to Stomach, Open Approach	Procedure	ICD-10-PCS
0D130Z9	Bypass Lower Esophagus to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D130ZA	Bypass Lower Esophagus to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D130ZB	Bypass Lower Esophagus to Ileum, Open Approach	Procedure	ICD-10-PCS
0D13476	Bypass Lower Esophagus to Stomach with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D13479	Bypass Lower Esophagus to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1347A	Bypass Lower Esophagus to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D1347B	Bypass Lower Esophagus to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134J6	Bypass Lower Esophagus to Stomach with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134J9	Bypass Lower Esophagus to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134JA	Bypass Lower Esophagus to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134JB	Bypass Lower Esophagus to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134K6	Bypass Lower Esophagus to Stomach with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134K9	Bypass Lower Esophagus to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134KA	Bypass Lower Esophagus to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134KB	Bypass Lower Esophagus to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134Z6	Bypass Lower Esophagus to Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134Z9	Bypass Lower Esophagus to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134ZA	Bypass Lower Esophagus to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D134ZB	Bypass Lower Esophagus to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D13876	Bypass Lower Esophagus to Stomach with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D13879	Bypass Lower Esophagus to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1387A	Bypass Lower Esophagus to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1387B	Bypass Lower Esophagus to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138J6	Bypass Lower Esophagus to Stomach with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138J9	Bypass Lower Esophagus to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D138JA	Bypass Lower Esophagus to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138JB	Bypass Lower Esophagus to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138K6	Bypass Lower Esophagus to Stomach with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138K9	Bypass Lower Esophagus to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138KA	Bypass Lower Esophagus to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138KB	Bypass Lower Esophagus to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138Z6	Bypass Lower Esophagus to Stomach, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138Z9	Bypass Lower Esophagus to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138ZA	Bypass Lower Esophagus to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D138ZB	Bypass Lower Esophagus to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D15074	Bypass Esophagus to Cutaneous with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D15076	Bypass Esophagus to Stomach with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D15079	Bypass Esophagus to Duodenum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1507A	Bypass Esophagus to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D1507B	Bypass Esophagus to Ileum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D150J4	Bypass Esophagus to Cutaneous with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D150J6	Bypass Esophagus to Stomach with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D150J9	Bypass Esophagus to Duodenum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D150JA	Bypass Esophagus to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D150JB	Bypass Esophagus to Ileum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D150K4	Bypass Esophagus to Cutaneous with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D150K6	Bypass Esophagus to Stomach with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D150K9	Bypass Esophagus to Duodenum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D150KA	Bypass Esophagus to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D150KB	Bypass Esophagus to Ileum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D150Z4	Bypass Esophagus to Cutaneous, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D150Z6	Bypass Esophagus to Stomach, Open Approach	Procedure	ICD-10-PCS
0D150Z9	Bypass Esophagus to Duodenum, Open Approach	Procedure	ICD-10-PCS
0D150ZA	Bypass Esophagus to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D150ZB	Bypass Esophagus to Ileum, Open Approach	Procedure	ICD-10-PCS
0D153J4	Bypass Esophagus to Cutaneous with Synthetic Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
0D15474	Bypass Esophagus to Cutaneous with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D15476	Bypass Esophagus to Stomach with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D15479	Bypass Esophagus to Duodenum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1547A	Bypass Esophagus to Jejunum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D1547B	Bypass Esophagus to Ileum with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154J4	Bypass Esophagus to Cutaneous with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154J6	Bypass Esophagus to Stomach with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154J9	Bypass Esophagus to Duodenum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154JA	Bypass Esophagus to Jejunum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154JB	Bypass Esophagus to Ileum with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154K4	Bypass Esophagus to Cutaneous with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154K6	Bypass Esophagus to Stomach with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154K9	Bypass Esophagus to Duodenum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154KA	Bypass Esophagus to Jejunum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D154KB	Bypass Esophagus to Ileum with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154Z4	Bypass Esophagus to Cutaneous, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154Z6	Bypass Esophagus to Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154Z9	Bypass Esophagus to Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154ZA	Bypass Esophagus to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D154ZB	Bypass Esophagus to Ileum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D15876	Bypass Esophagus to Stomach with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D15879	Bypass Esophagus to Duodenum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1587A	Bypass Esophagus to Jejunum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1587B	Bypass Esophagus to Ileum with Autologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158J6	Bypass Esophagus to Stomach with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158J9	Bypass Esophagus to Duodenum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158JA	Bypass Esophagus to Jejunum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158JB	Bypass Esophagus to Ileum with Synthetic Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158K6	Bypass Esophagus to Stomach with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158K9	Bypass Esophagus to Duodenum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158KA	Bypass Esophagus to Jejunum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158KB	Bypass Esophagus to Ileum with Nonautologous Tissue Substitute, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158Z6	Bypass Esophagus to Stomach, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158Z9	Bypass Esophagus to Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D158ZA	Bypass Esophagus to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0D158ZB	Bypass Esophagus to Ileum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1607A	Bypass Stomach to Jejunum with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160JA	Bypass Stomach to Jejunum with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0D160KA	Bypass Stomach to Jejunum with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
0D160ZA	Bypass Stomach to Jejunum, Open Approach	Procedure	ICD-10-PCS
0D164ZA	Bypass Stomach to Jejunum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D168ZA	Bypass Stomach to Jejunum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0D1N0Z4	Bypass Sigmoid Colon to Cutaneous, Open Approach	Procedure	ICD-10-PCS
0D1N4Z4	Bypass Sigmoid Colon to Cutaneous, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D5U0ZZ	Destruction of Omentum, Open Approach	Procedure	ICD-10-PCS
0D5U3ZZ	Destruction of Omentum, Percutaneous Approach	Procedure	ICD-10-PCS
0D5U4ZZ	Destruction of Omentum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D5V0ZZ	Destruction of Mesentery, Open Approach	Procedure	ICD-10-PCS
0D5V3ZZ	Destruction of Mesentery, Percutaneous Approach	Procedure	ICD-10-PCS
0D5V4ZZ	Destruction of Mesentery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0D5W0ZZ	Destruction of Peritoneum, Open Approach	Procedure	ICD-10-PCS
0D5W3ZZ	Destruction of Peritoneum, Percutaneous Approach	Procedure	ICD-10-PCS
0D5W4ZZ	Destruction of Peritoneum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DB10ZZ	Excision of Upper Esophagus, Open Approach	Procedure	ICD-10-PCS
0DB13ZZ	Excision of Upper Esophagus, Percutaneous Approach	Procedure	ICD-10-PCS
0DB17ZZ	Excision of Upper Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB20ZZ	Excision of Middle Esophagus, Open Approach	Procedure	ICD-10-PCS
0DB23ZZ	Excision of Middle Esophagus, Percutaneous Approach	Procedure	ICD-10-PCS
0DB27ZZ	Excision of Middle Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB30ZZ	Excision of Lower Esophagus, Open Approach	Procedure	ICD-10-PCS
0DB33ZZ	Excision of Lower Esophagus, Percutaneous Approach	Procedure	ICD-10-PCS
0DB37ZZ	Excision of Lower Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB40ZZ	Excision of Esophagogastric Junction, Open Approach	Procedure	ICD-10-PCS
0DB43ZZ	Excision of Esophagogastric Junction, Percutaneous Approach	Procedure	ICD-10-PCS
0DB44ZZ	Excision of Esophagogastric Junction, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DB47ZZ	Excision of Esophagogastric Junction, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB50ZZ	Excision of Esophagus, Open Approach	Procedure	ICD-10-PCS
0DB53ZZ	Excision of Esophagus, Percutaneous Approach	Procedure	ICD-10-PCS
0DB57ZZ	Excision of Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0DB60Z3	Excision of Stomach, Open Approach, Vertical	Procedure	ICD-10-PCS
0DB60ZZ	Excision of Stomach, Open Approach	Procedure	ICD-10-PCS
0DB63Z3	Excision of Stomach, Percutaneous Approach, Vertical	Procedure	ICD-10-PCS
0DB63ZZ	Excision of Stomach, Percutaneous Approach	Procedure	ICD-10-PCS
0DB64Z3	Excision of Stomach, Percutaneous Endoscopic Approach, Vertical	Procedure	ICD-10-PCS
0DB64ZZ	Excision of Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DB67Z3	Excision of Stomach, Via Natural or Artificial Opening, Vertical	Procedure	ICD-10-PCS
0DB67ZZ	Excision of Stomach, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB68Z3	Excision of Stomach, Via Natural or Artificial Opening Endoscopic, Vertical	Procedure	ICD-10-PCS
0DB68ZZ	Excision of Stomach, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DB70ZZ	Excision of Stomach, Pylorus, Open Approach	Procedure	ICD-10-PCS
0DB73ZZ	Excision of Stomach, Pylorus, Percutaneous Approach	Procedure	ICD-10-PCS
0DB77ZZ	Excision of Stomach, Pylorus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB90ZZ	Excision of Duodenum, Open Approach	Procedure	ICD-10-PCS
0DB93ZZ	Excision of Duodenum, Percutaneous Approach	Procedure	ICD-10-PCS
0DB94ZZ	Excision of Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DB97ZZ	Excision of Duodenum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DB98ZZ	Excision of Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBE0ZZ	Excision of Large Intestine, Open Approach	Procedure	ICD-10-PCS
0DBE3ZZ	Excision of Large Intestine, Percutaneous Approach	Procedure	ICD-10-PCS
0DBE4ZZ	Excision of Large Intestine, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBE7ZZ	Excision of Large Intestine, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBE8ZZ	Excision of Large Intestine, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBF0ZZ	Excision of Right Large Intestine, Open Approach	Procedure	ICD-10-PCS
0DBF3ZZ	Excision of Right Large Intestine, Percutaneous Approach	Procedure	ICD-10-PCS
0DBF4ZZ	Excision of Right Large Intestine, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBF7ZZ	Excision of Right Large Intestine, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBF8ZZ	Excision of Right Large Intestine, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBG0ZZ	Excision of Left Large Intestine, Open Approach	Procedure	ICD-10-PCS
0DBG3ZZ	Excision of Left Large Intestine, Percutaneous Approach	Procedure	ICD-10-PCS
0DBG4ZZ	Excision of Left Large Intestine, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBG7ZZ	Excision of Left Large Intestine, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBG8ZZ	Excision of Left Large Intestine, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0DBGFZZ	Excision of Left Large Intestine, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0DBH0ZZ	Excision of Cecum, Open Approach	Procedure	ICD-10-PCS
0DBH3ZZ	Excision of Cecum, Percutaneous Approach	Procedure	ICD-10-PCS
0DBH4ZZ	Excision of Cecum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBH7ZZ	Excision of Cecum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBH8ZZ	Excision of Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBK0ZZ	Excision of Ascending Colon, Open Approach	Procedure	ICD-10-PCS
0DBK3ZZ	Excision of Ascending Colon, Percutaneous Approach	Procedure	ICD-10-PCS
0DBK4ZZ	Excision of Ascending Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBK7ZZ	Excision of Ascending Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBK8ZZ	Excision of Ascending Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBL0ZZ	Excision of Transverse Colon, Open Approach	Procedure	ICD-10-PCS
0DBL3ZZ	Excision of Transverse Colon, Percutaneous Approach	Procedure	ICD-10-PCS
0DBL4ZZ	Excision of Transverse Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBL7ZZ	Excision of Transverse Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBL8ZZ	Excision of Transverse Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBLFZZ	Excision of Transverse Colon, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0DBM0ZZ	Excision of Descending Colon, Open Approach	Procedure	ICD-10-PCS
0DBM3ZZ	Excision of Descending Colon, Percutaneous Approach	Procedure	ICD-10-PCS
0DBM4ZZ	Excision of Descending Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBM7ZZ	Excision of Descending Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBM8ZZ	Excision of Descending Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBMFZZ	Excision of Descending Colon, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0DBN0ZZ	Excision of Sigmoid Colon, Open Approach	Procedure	ICD-10-PCS
0DBN3ZZ	Excision of Sigmoid Colon, Percutaneous Approach	Procedure	ICD-10-PCS
0DBN4ZZ	Excision of Sigmoid Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBN7ZZ	Excision of Sigmoid Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DBN8ZZ	Excision of Sigmoid Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DBNFZZ	Excision of Sigmoid Colon, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0DBP0ZZ	Excision of Rectum, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0DBP4ZZ	Excision of Rectum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBU0ZZ	Excision of Omentum, Open Approach	Procedure	ICD-10-PCS
0DBU3ZZ	Excision of Omentum, Percutaneous Approach	Procedure	ICD-10-PCS
0DBU4ZZ	Excision of Omentum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBV0ZZ	Excision of Mesentery, Open Approach	Procedure	ICD-10-PCS
0DBV3ZZ	Excision of Mesentery, Percutaneous Approach	Procedure	ICD-10-PCS
0DBV4ZZ	Excision of Mesentery, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DBW0ZZ	Excision of Peritoneum, Open Approach	Procedure	ICD-10-PCS
0DBW3ZZ	Excision of Peritoneum, Percutaneous Approach	Procedure	ICD-10-PCS
0DBW4ZZ	Excision of Peritoneum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DLP0CZ	Occlusion of Rectum with Extraluminal Device, Open Approach	Procedure	ICD-10-PCS
0DLP0DZ	Occlusion of Rectum with Intraluminal Device, Open Approach	Procedure	ICD-10-PCS
0DLP0ZZ	Occlusion of Rectum, Open Approach	Procedure	ICD-10-PCS
0DLP3CZ	Occlusion of Rectum with Extraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0DLP3DZ	Occlusion of Rectum with Intraluminal Device, Percutaneous Approach	Procedure	ICD-10-PCS
0DLP3ZZ	Occlusion of Rectum, Percutaneous Approach	Procedure	ICD-10-PCS
0DLP4CZ	Occlusion of Rectum with Extraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DLP4DZ	Occlusion of Rectum with Intraluminal Device, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DLP4ZZ	Occlusion of Rectum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DLP7DZ	Occlusion of Rectum with Intraluminal Device, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DLP7ZZ	Occlusion of Rectum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DLP8DZ	Occlusion of Rectum with Intraluminal Device, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
	Endoscopic		
0DLP8ZZ	Occlusion of Rectum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DQP0ZZ	Repair Rectum, Open Approach	Procedure	ICD-10-PCS
0DQP3ZZ	Repair Rectum, Percutaneous Approach	Procedure	ICD-10-PCS
0DQP4ZZ	Repair Rectum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DQP7ZZ	Repair Rectum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DQP8ZZ	Repair Rectum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT10ZZ	Resection of Upper Esophagus, Open Approach	Procedure	ICD-10-PCS
0DT14ZZ	Resection of Upper Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT17ZZ	Resection of Upper Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT18ZZ	Resection of Upper Esophagus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT20ZZ	Resection of Middle Esophagus, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0DT24ZZ	Resection of Middle Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT27ZZ	Resection of Middle Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT28ZZ	Resection of Middle Esophagus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT30ZZ	Resection of Lower Esophagus, Open Approach	Procedure	ICD-10-PCS
0DT34ZZ	Resection of Lower Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT37ZZ	Resection of Lower Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT38ZZ	Resection of Lower Esophagus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT40ZZ	Resection of Esophagogastric Junction, Open Approach	Procedure	ICD-10-PCS
0DT44ZZ	Resection of Esophagogastric Junction, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT47ZZ	Resection of Esophagogastric Junction, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT48ZZ	Resection of Esophagogastric Junction, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT50ZZ	Resection of Esophagus, Open Approach	Procedure	ICD-10-PCS
0DT54ZZ	Resection of Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT57ZZ	Resection of Esophagus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT58ZZ	Resection of Esophagus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT60ZZ	Resection of Stomach, Open Approach	Procedure	ICD-10-PCS
0DT64ZZ	Resection of Stomach, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT67ZZ	Resection of Stomach, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT68ZZ	Resection of Stomach, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT70ZZ	Resection of Stomach, Pylorus, Open Approach	Procedure	ICD-10-PCS
0DT74ZZ	Resection of Stomach, Pylorus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT77ZZ	Resection of Stomach, Pylorus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT78ZZ	Resection of Stomach, Pylorus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DT90ZZ	Resection of Duodenum, Open Approach	Procedure	ICD-10-PCS
0DT94ZZ	Resection of Duodenum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DT97ZZ	Resection of Duodenum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DT98ZZ	Resection of Duodenum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DTE0ZZ	Resection of Large Intestine, Open Approach	Procedure	ICD-10-PCS
0DTE4ZZ	Resection of Large Intestine, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DTE7ZZ	Resection of Large Intestine, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DTE8ZZ	Resection of Large Intestine, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DTF0ZZ	Resection of Right Large Intestine, Open Approach	Procedure	ICD-10-PCS
0DTF4ZZ	Resection of Right Large Intestine, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DTF7ZZ	Resection of Right Large Intestine, Via Natural or Artificial Opening	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
ODTF8ZZ	Resection of Right Large Intestine, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
ODTG0ZZ	Resection of Left Large Intestine, Open Approach	Procedure	ICD-10-PCS
ODTG4ZZ	Resection of Left Large Intestine, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ODTG7ZZ	Resection of Left Large Intestine, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
ODTG8ZZ	Resection of Left Large Intestine, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
ODTGFZZ	Resection of Left Large Intestine, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
ODTH0ZZ	Resection of Cecum, Open Approach	Procedure	ICD-10-PCS
ODTH4ZZ	Resection of Cecum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ODTH7ZZ	Resection of Cecum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
ODTH8ZZ	Resection of Cecum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
ODTK0ZZ	Resection of Ascending Colon, Open Approach	Procedure	ICD-10-PCS
ODTK4ZZ	Resection of Ascending Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ODTK7ZZ	Resection of Ascending Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
ODTK8ZZ	Resection of Ascending Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
ODTL0ZZ	Resection of Transverse Colon, Open Approach	Procedure	ICD-10-PCS
ODTL4ZZ	Resection of Transverse Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ODTL7ZZ	Resection of Transverse Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
ODTL8ZZ	Resection of Transverse Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
ODTLFZZ	Resection of Transverse Colon, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
ODTM0ZZ	Resection of Descending Colon, Open Approach	Procedure	ICD-10-PCS
ODTM4ZZ	Resection of Descending Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ODTM7ZZ	Resection of Descending Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
ODTM8ZZ	Resection of Descending Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
ODTMFZZ	Resection of Descending Colon, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
ODTN0ZZ	Resection of Sigmoid Colon, Open Approach	Procedure	ICD-10-PCS
ODTN4ZZ	Resection of Sigmoid Colon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ODTN7ZZ	Resection of Sigmoid Colon, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
ODTN8ZZ	Resection of Sigmoid Colon, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
ODTNFZZ	Resection of Sigmoid Colon, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
ODTP0ZZ	Resection of Rectum, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0DTP4ZZ	Resection of Rectum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DTP7ZZ	Resection of Rectum, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0DTP8ZZ	Resection of Rectum, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0DTU0ZZ	Resection of Omentum, Open Approach	Procedure	ICD-10-PCS
0DTU4ZZ	Resection of Omentum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DX60Z5	Transfer Stomach to Esophagus, Open Approach	Procedure	ICD-10-PCS
0DX64Z5	Transfer Stomach to Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DX80Z5	Transfer Small Intestine to Esophagus, Open Approach	Procedure	ICD-10-PCS
0DX84Z5	Transfer Small Intestine to Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0DXE0Z5	Transfer Large Intestine to Esophagus, Open Approach	Procedure	ICD-10-PCS
0DXE4Z5	Transfer Large Intestine to Esophagus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F190Z3	Bypass Common Bile Duct to Duodenum, Open Approach	Procedure	ICD-10-PCS
0F1G0ZC	Bypass Pancreas to Large Intestine, Open Approach	Procedure	ICD-10-PCS
0F500ZZ	Destruction of Liver, Open Approach	Procedure	ICD-10-PCS
0F503ZZ	Destruction of Liver, Percutaneous Approach	Procedure	ICD-10-PCS
0F504ZZ	Destruction of Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F510ZZ	Destruction of Right Lobe Liver, Open Approach	Procedure	ICD-10-PCS
0F513ZZ	Destruction of Right Lobe Liver, Percutaneous Approach	Procedure	ICD-10-PCS
0F514ZZ	Destruction of Right Lobe Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F520ZZ	Destruction of Left Lobe Liver, Open Approach	Procedure	ICD-10-PCS
0F523ZZ	Destruction of Left Lobe Liver, Percutaneous Approach	Procedure	ICD-10-PCS
0F524ZZ	Destruction of Left Lobe Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F5D0ZZ	Destruction of Pancreatic Duct, Open Approach	Procedure	ICD-10-PCS
0F5D3ZZ	Destruction of Pancreatic Duct, Percutaneous Approach	Procedure	ICD-10-PCS
0F5D4ZZ	Destruction of Pancreatic Duct, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F5D7ZZ	Destruction of Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0F5D8ZZ	Destruction of Pancreatic Duct, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0F5F0ZZ	Destruction of Accessory Pancreatic Duct, Open Approach	Procedure	ICD-10-PCS
0F5F3ZZ	Destruction of Accessory Pancreatic Duct, Percutaneous Approach	Procedure	ICD-10-PCS
0F5F4ZZ	Destruction of Accessory Pancreatic Duct, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F5F7ZZ	Destruction of Accessory Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0F5F8ZZ	Destruction of Accessory Pancreatic Duct, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0F5G0ZZ	Destruction of Pancreas, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0F5G3ZZ	Destruction of Pancreas, Percutaneous Approach	Procedure	ICD-10-PCS
0F5G4ZZ	Destruction of Pancreas, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0F5G8ZZ	Destruction of Pancreas, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0FB00ZZ	Excision of Liver, Open Approach	Procedure	ICD-10-PCS
0FB03ZZ	Excision of Liver, Percutaneous Approach	Procedure	ICD-10-PCS
0FB04ZZ	Excision of Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FB10ZZ	Excision of Right Lobe Liver, Open Approach	Procedure	ICD-10-PCS
0FB13ZZ	Excision of Right Lobe Liver, Percutaneous Approach	Procedure	ICD-10-PCS
0FB14ZZ	Excision of Right Lobe Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FB20ZZ	Excision of Left Lobe Liver, Open Approach	Procedure	ICD-10-PCS
0FB23ZZ	Excision of Left Lobe Liver, Percutaneous Approach	Procedure	ICD-10-PCS
0FB24ZZ	Excision of Left Lobe Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FBD0ZZ	Excision of Pancreatic Duct, Open Approach	Procedure	ICD-10-PCS
0FBD3ZZ	Excision of Pancreatic Duct, Percutaneous Approach	Procedure	ICD-10-PCS
0FBD4ZZ	Excision of Pancreatic Duct, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FBD7ZZ	Excision of Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0FBD8ZZ	Excision of Pancreatic Duct, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0FBF0ZZ	Excision of Accessory Pancreatic Duct, Open Approach	Procedure	ICD-10-PCS
0FBF3ZZ	Excision of Accessory Pancreatic Duct, Percutaneous Approach	Procedure	ICD-10-PCS
0FBF4ZZ	Excision of Accessory Pancreatic Duct, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FBF7ZZ	Excision of Accessory Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0FBF8ZZ	Excision of Accessory Pancreatic Duct, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0FBG0ZZ	Excision of Pancreas, Open Approach	Procedure	ICD-10-PCS
0FBG3ZZ	Excision of Pancreas, Percutaneous Approach	Procedure	ICD-10-PCS
0FBG4ZZ	Excision of Pancreas, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FBG8ZZ	Excision of Pancreas, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0FT00ZZ	Resection of Liver, Open Approach	Procedure	ICD-10-PCS
0FT04ZZ	Resection of Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FT10ZZ	Resection of Right Lobe Liver, Open Approach	Procedure	ICD-10-PCS
0FT14ZZ	Resection of Right Lobe Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FT20ZZ	Resection of Left Lobe Liver, Open Approach	Procedure	ICD-10-PCS
0FT24ZZ	Resection of Left Lobe Liver, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FTD0ZZ	Resection of Pancreatic Duct, Open Approach	Procedure	ICD-10-PCS
0FTD4ZZ	Resection of Pancreatic Duct, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0FTD7ZZ	Resection of Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0FTD8ZZ	Resection of Pancreatic Duct, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0FTF0ZZ	Resection of Accessory Pancreatic Duct, Open Approach	Procedure	ICD-10-PCS
0FTF4ZZ	Resection of Accessory Pancreatic Duct, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0FTF7ZZ	Resection of Accessory Pancreatic Duct, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0FTF8ZZ	Resection of Accessory Pancreatic Duct, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0FTG0ZZ	Resection of Pancreas, Open Approach	Procedure	ICD-10-PCS
0FTG4ZZ	Resection of Pancreas, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0G5G0ZZ	Destruction of Left Thyroid Gland Lobe, Open Approach	Procedure	ICD-10-PCS
0G5G3ZZ	Destruction of Left Thyroid Gland Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0G5G4ZZ	Destruction of Left Thyroid Gland Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0G5H0ZZ	Destruction of Right Thyroid Gland Lobe, Open Approach	Procedure	ICD-10-PCS
0G5H3ZZ	Destruction of Right Thyroid Gland Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0G5H4ZZ	Destruction of Right Thyroid Gland Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0G5K0ZZ	Destruction of Thyroid Gland, Open Approach	Procedure	ICD-10-PCS
0G5K3ZZ	Destruction of Thyroid Gland, Percutaneous Approach	Procedure	ICD-10-PCS
0G5K4ZZ	Destruction of Thyroid Gland, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0GBG0ZZ	Excision of Left Thyroid Gland Lobe, Open Approach	Procedure	ICD-10-PCS
0GBG3ZZ	Excision of Left Thyroid Gland Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0GBG4ZZ	Excision of Left Thyroid Gland Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0GBH0ZZ	Excision of Right Thyroid Gland Lobe, Open Approach	Procedure	ICD-10-PCS
0GBH3ZZ	Excision of Right Thyroid Gland Lobe, Percutaneous Approach	Procedure	ICD-10-PCS
0GBH4ZZ	Excision of Right Thyroid Gland Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0GBJ0ZZ	Excision of Thyroid Gland Isthmus, Open Approach	Procedure	ICD-10-PCS
0GBJ3ZZ	Excision of Thyroid Gland Isthmus, Percutaneous Approach	Procedure	ICD-10-PCS
0GBJ4ZZ	Excision of Thyroid Gland Isthmus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0GTG0ZZ	Resection of Left Thyroid Gland Lobe, Open Approach	Procedure	ICD-10-PCS
0GTG4ZZ	Resection of Left Thyroid Gland Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0GTH0ZZ	Resection of Right Thyroid Gland Lobe, Open Approach	Procedure	ICD-10-PCS
0GTH4ZZ	Resection of Right Thyroid Gland Lobe, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0GTJ0ZZ	Resection of Thyroid Gland Isthmus, Open Approach	Procedure	ICD-10-PCS
0GTJ4ZZ	Resection of Thyroid Gland Isthmus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0GTK0ZZ	Resection of Thyroid Gland, Open Approach	Procedure	ICD-10-PCS
0GTK4ZZ	Resection of Thyroid Gland, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0H50XZD	Destruction of Scalp Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H50XZZ	Destruction of Scalp Skin, External Approach	Procedure	ICD-10-PCS
0H51XZD	Destruction of Face Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H51XZZ	Destruction of Face Skin, External Approach	Procedure	ICD-10-PCS
0H52XZD	Destruction of Right Ear Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H52XZZ	Destruction of Right Ear Skin, External Approach	Procedure	ICD-10-PCS
0H53XZD	Destruction of Left Ear Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H53XZZ	Destruction of Left Ear Skin, External Approach	Procedure	ICD-10-PCS
0H54XZD	Destruction of Neck Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H54XZZ	Destruction of Neck Skin, External Approach	Procedure	ICD-10-PCS
0H55XZD	Destruction of Chest Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H55XZZ	Destruction of Chest Skin, External Approach	Procedure	ICD-10-PCS
0H56XZD	Destruction of Back Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H56XZZ	Destruction of Back Skin, External Approach	Procedure	ICD-10-PCS
0H57XZD	Destruction of Abdomen Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H57XZZ	Destruction of Abdomen Skin, External Approach	Procedure	ICD-10-PCS
0H58XZD	Destruction of Buttock Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H58XZZ	Destruction of Buttock Skin, External Approach	Procedure	ICD-10-PCS
0H59XZD	Destruction of Perineum Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H59XZZ	Destruction of Perineum Skin, External Approach	Procedure	ICD-10-PCS
0H5AXZD	Destruction of Inguinal Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5AXZZ	Destruction of Inguinal Skin, External Approach	Procedure	ICD-10-PCS
0H5BXZD	Destruction of Right Upper Arm Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5BXZZ	Destruction of Right Upper Arm Skin, External Approach	Procedure	ICD-10-PCS
0H5CXZD	Destruction of Left Upper Arm Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5CXZZ	Destruction of Left Upper Arm Skin, External Approach	Procedure	ICD-10-PCS
0H5DXZD	Destruction of Right Lower Arm Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5DXZZ	Destruction of Right Lower Arm Skin, External Approach	Procedure	ICD-10-PCS
0H5EXZD	Destruction of Left Lower Arm Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5EXZZ	Destruction of Left Lower Arm Skin, External Approach	Procedure	ICD-10-PCS
0H5FXZD	Destruction of Right Hand Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5FXZZ	Destruction of Right Hand Skin, External Approach	Procedure	ICD-10-PCS
0H5GXZD	Destruction of Left Hand Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5GXZZ	Destruction of Left Hand Skin, External Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0H5HXZD	Destruction of Right Upper Leg Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5HXZZ	Destruction of Right Upper Leg Skin, External Approach	Procedure	ICD-10-PCS
0H5JXZD	Destruction of Left Upper Leg Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5JXZZ	Destruction of Left Upper Leg Skin, External Approach	Procedure	ICD-10-PCS
0H5KXZD	Destruction of Right Lower Leg Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5KXZZ	Destruction of Right Lower Leg Skin, External Approach	Procedure	ICD-10-PCS
0H5LXZD	Destruction of Left Lower Leg Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5LXZZ	Destruction of Left Lower Leg Skin, External Approach	Procedure	ICD-10-PCS
0H5MXZD	Destruction of Right Foot Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5MXZZ	Destruction of Right Foot Skin, External Approach	Procedure	ICD-10-PCS
0H5NXZD	Destruction of Left Foot Skin, Multiple, External Approach	Procedure	ICD-10-PCS
0H5NXZZ	Destruction of Left Foot Skin, External Approach	Procedure	ICD-10-PCS
0H5QXZZ	Destruction of Finger Nail, External Approach	Procedure	ICD-10-PCS
0H5RXZZ	Destruction of Toe Nail, External Approach	Procedure	ICD-10-PCS
0HB0XZZ	Excision of Scalp Skin, External Approach	Procedure	ICD-10-PCS
0HB1XZZ	Excision of Face Skin, External Approach	Procedure	ICD-10-PCS
0HB2XZZ	Excision of Right Ear Skin, External Approach	Procedure	ICD-10-PCS
0HB3XZZ	Excision of Left Ear Skin, External Approach	Procedure	ICD-10-PCS
0HB4XZZ	Excision of Neck Skin, External Approach	Procedure	ICD-10-PCS
0HB5XZZ	Excision of Chest Skin, External Approach	Procedure	ICD-10-PCS
0HB6XZZ	Excision of Back Skin, External Approach	Procedure	ICD-10-PCS
0HB7XZZ	Excision of Abdomen Skin, External Approach	Procedure	ICD-10-PCS
0HB8XZZ	Excision of Buttock Skin, External Approach	Procedure	ICD-10-PCS
0HB9XZZ	Excision of Perineum Skin, External Approach	Procedure	ICD-10-PCS
0HBAXZZ	Excision of Inguinal Skin, External Approach	Procedure	ICD-10-PCS
0HBBXZZ	Excision of Right Upper Arm Skin, External Approach	Procedure	ICD-10-PCS
0HBCXZZ	Excision of Left Upper Arm Skin, External Approach	Procedure	ICD-10-PCS
0HBDXZZ	Excision of Right Lower Arm Skin, External Approach	Procedure	ICD-10-PCS
0HBEXZZ	Excision of Left Lower Arm Skin, External Approach	Procedure	ICD-10-PCS
0HBFXZZ	Excision of Right Hand Skin, External Approach	Procedure	ICD-10-PCS
0HBGXZZ	Excision of Left Hand Skin, External Approach	Procedure	ICD-10-PCS
0HBHXZZ	Excision of Right Upper Leg Skin, External Approach	Procedure	ICD-10-PCS
0HBJXZZ	Excision of Left Upper Leg Skin, External Approach	Procedure	ICD-10-PCS
0HBKXZZ	Excision of Right Lower Leg Skin, External Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0HBLXZZ	Excision of Left Lower Leg Skin, External Approach	Procedure	ICD-10-PCS
0HBMXZZ	Excision of Right Foot Skin, External Approach	Procedure	ICD-10-PCS
0HBNXZZ	Excision of Left Foot Skin, External Approach	Procedure	ICD-10-PCS
0HBQXZZ	Excision of Finger Nail, External Approach	Procedure	ICD-10-PCS
0HBRXZZ	Excision of Toe Nail, External Approach	Procedure	ICD-10-PCS
0HBT0ZZ	Excision of Right Breast, Open Approach	Procedure	ICD-10-PCS
0HBT3ZZ	Excision of Right Breast, Percutaneous Approach	Procedure	ICD-10-PCS
0HBT7ZZ	Excision of Right Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HBT8ZZ	Excision of Right Breast, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0HBTXZZ	Excision of Right Breast, External Approach	Procedure	ICD-10-PCS
0HBU0ZZ	Excision of Left Breast, Open Approach	Procedure	ICD-10-PCS
0HBU3ZZ	Excision of Left Breast, Percutaneous Approach	Procedure	ICD-10-PCS
0HBU7ZZ	Excision of Left Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HBU8ZZ	Excision of Left Breast, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0HBUXZZ	Excision of Left Breast, External Approach	Procedure	ICD-10-PCS
0HBV0ZZ	Excision of Bilateral Breast, Open Approach	Procedure	ICD-10-PCS
0HBV3ZZ	Excision of Bilateral Breast, Percutaneous Approach	Procedure	ICD-10-PCS
0HBV7ZZ	Excision of Bilateral Breast, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0HBV8ZZ	Excision of Bilateral Breast, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0HBVXZZ	Excision of Bilateral Breast, External Approach	Procedure	ICD-10-PCS
0HD2XZZ	Extraction of Right Ear Skin, External Approach	Procedure	ICD-10-PCS
0HD3XZZ	Extraction of Left Ear Skin, External Approach	Procedure	ICD-10-PCS
0HDQXZZ	Extraction of Finger Nail, External Approach	Procedure	ICD-10-PCS
0HDRXZZ	Extraction of Toe Nail, External Approach	Procedure	ICD-10-PCS
0HTQXZZ	Resection of Finger Nail, External Approach	Procedure	ICD-10-PCS
0HTRXZZ	Resection of Toe Nail, External Approach	Procedure	ICD-10-PCS
0HTT0ZZ	Resection of Right Breast, Open Approach	Procedure	ICD-10-PCS
0HTU0ZZ	Resection of Left Breast, Open Approach	Procedure	ICD-10-PCS
0HTV0ZZ	Resection of Bilateral Breast, Open Approach	Procedure	ICD-10-PCS
0J500ZZ	Destruction of Scalp Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J503ZZ	Destruction of Scalp Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J510ZZ	Destruction of Face Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J513ZZ	Destruction of Face Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J540ZZ	Destruction of Right Neck Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0J543ZZ	Destruction of Right Neck Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J550ZZ	Destruction of Left Neck Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J553ZZ	Destruction of Left Neck Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J560ZZ	Destruction of Chest Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J563ZZ	Destruction of Chest Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J570ZZ	Destruction of Back Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J573ZZ	Destruction of Back Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J580ZZ	Destruction of Abdomen Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J583ZZ	Destruction of Abdomen Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J590ZZ	Destruction of Buttock Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J593ZZ	Destruction of Buttock Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5B0ZZ	Destruction of Perineum Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5B3ZZ	Destruction of Perineum Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5C0ZZ	Destruction of Pelvic Region Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5C3ZZ	Destruction of Pelvic Region Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5D0ZZ	Destruction of Right Upper Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5D3ZZ	Destruction of Right Upper Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5F0ZZ	Destruction of Left Upper Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5F3ZZ	Destruction of Left Upper Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5G0ZZ	Destruction of Right Lower Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5G3ZZ	Destruction of Right Lower Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5H0ZZ	Destruction of Left Lower Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5H3ZZ	Destruction of Left Lower Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5J0ZZ	Destruction of Right Hand Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5J3ZZ	Destruction of Right Hand Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5K0ZZ	Destruction of Left Hand Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5K3ZZ	Destruction of Left Hand Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5L0ZZ	Destruction of Right Upper Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0J5L3ZZ	Destruction of Right Upper Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5M0ZZ	Destruction of Left Upper Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5M3ZZ	Destruction of Left Upper Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5N0ZZ	Destruction of Right Lower Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5N3ZZ	Destruction of Right Lower Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5P0ZZ	Destruction of Left Lower Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5P3ZZ	Destruction of Left Lower Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5Q0ZZ	Destruction of Right Foot Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5Q3ZZ	Destruction of Right Foot Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0J5R0ZZ	Destruction of Left Foot Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0J5R3ZZ	Destruction of Left Foot Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB00ZZ	Excision of Scalp Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB03ZZ	Excision of Scalp Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB10ZZ	Excision of Face Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB13ZZ	Excision of Face Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB40ZZ	Excision of Right Neck Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB43ZZ	Excision of Right Neck Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB50ZZ	Excision of Left Neck Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB53ZZ	Excision of Left Neck Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB60ZZ	Excision of Chest Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB63ZZ	Excision of Chest Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB70ZZ	Excision of Back Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB73ZZ	Excision of Back Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB80ZZ	Excision of Abdomen Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB83ZZ	Excision of Abdomen Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JB90ZZ	Excision of Buttock Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JB93ZZ	Excision of Buttock Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBB0ZZ	Excision of Perineum Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBB3ZZ	Excision of Perineum Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBC0ZZ	Excision of Pelvic Region Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0JBC3ZZ	Excision of Pelvic Region Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBD0ZZ	Excision of Right Upper Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBD3ZZ	Excision of Right Upper Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBF0ZZ	Excision of Left Upper Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBF3ZZ	Excision of Left Upper Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBG0ZZ	Excision of Right Lower Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBG3ZZ	Excision of Right Lower Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBH0ZZ	Excision of Left Lower Arm Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBH3ZZ	Excision of Left Lower Arm Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBJ0ZZ	Excision of Right Hand Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBJ3ZZ	Excision of Right Hand Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBK0ZZ	Excision of Left Hand Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBK3ZZ	Excision of Left Hand Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBL0ZZ	Excision of Right Upper Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBL3ZZ	Excision of Right Upper Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBM0ZZ	Excision of Left Upper Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBM3ZZ	Excision of Left Upper Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBN0ZZ	Excision of Right Lower Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBN3ZZ	Excision of Right Lower Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBP0ZZ	Excision of Left Lower Leg Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBP3ZZ	Excision of Left Lower Leg Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBQ0ZZ	Excision of Right Foot Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBQ3ZZ	Excision of Right Foot Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0JBR0ZZ	Excision of Left Foot Subcutaneous Tissue and Fascia, Open Approach	Procedure	ICD-10-PCS
0JBR3ZZ	Excision of Left Foot Subcutaneous Tissue and Fascia, Percutaneous Approach	Procedure	ICD-10-PCS
0K500ZZ	Destruction of Head Muscle, Open Approach	Procedure	ICD-10-PCS
0K503ZZ	Destruction of Head Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K504ZZ	Destruction of Head Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K510ZZ	Destruction of Facial Muscle, Open Approach	Procedure	ICD-10-PCS
0K513ZZ	Destruction of Facial Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K514ZZ	Destruction of Facial Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K520ZZ	Destruction of Right Neck Muscle, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0K523ZZ	Destruction of Right Neck Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K524ZZ	Destruction of Right Neck Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K530ZZ	Destruction of Left Neck Muscle, Open Approach	Procedure	ICD-10-PCS
0K533ZZ	Destruction of Left Neck Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K534ZZ	Destruction of Left Neck Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K540ZZ	Destruction of Tongue, Palate, Pharynx Muscle, Open Approach	Procedure	ICD-10-PCS
0K543ZZ	Destruction of Tongue, Palate, Pharynx Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K544ZZ	Destruction of Tongue, Palate, Pharynx Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K550ZZ	Destruction of Right Shoulder Muscle, Open Approach	Procedure	ICD-10-PCS
0K553ZZ	Destruction of Right Shoulder Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K554ZZ	Destruction of Right Shoulder Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K560ZZ	Destruction of Left Shoulder Muscle, Open Approach	Procedure	ICD-10-PCS
0K563ZZ	Destruction of Left Shoulder Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K564ZZ	Destruction of Left Shoulder Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K570ZZ	Destruction of Right Upper Arm Muscle, Open Approach	Procedure	ICD-10-PCS
0K573ZZ	Destruction of Right Upper Arm Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K574ZZ	Destruction of Right Upper Arm Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K580ZZ	Destruction of Left Upper Arm Muscle, Open Approach	Procedure	ICD-10-PCS
0K583ZZ	Destruction of Left Upper Arm Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K584ZZ	Destruction of Left Upper Arm Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K590ZZ	Destruction of Right Lower Arm and Wrist Muscle, Open Approach	Procedure	ICD-10-PCS
0K593ZZ	Destruction of Right Lower Arm and Wrist Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K594ZZ	Destruction of Right Lower Arm and Wrist Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5B0ZZ	Destruction of Left Lower Arm and Wrist Muscle, Open Approach	Procedure	ICD-10-PCS
0K5B3ZZ	Destruction of Left Lower Arm and Wrist Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5B4ZZ	Destruction of Left Lower Arm and Wrist Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5C0ZZ	Destruction of Right Hand Muscle, Open Approach	Procedure	ICD-10-PCS
0K5C3ZZ	Destruction of Right Hand Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5C4ZZ	Destruction of Right Hand Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5D0ZZ	Destruction of Left Hand Muscle, Open Approach	Procedure	ICD-10-PCS
0K5D3ZZ	Destruction of Left Hand Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5D4ZZ	Destruction of Left Hand Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5F0ZZ	Destruction of Right Trunk Muscle, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0K5F3ZZ	Destruction of Right Trunk Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5F4ZZ	Destruction of Right Trunk Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5G0ZZ	Destruction of Left Trunk Muscle, Open Approach	Procedure	ICD-10-PCS
0K5G3ZZ	Destruction of Left Trunk Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5G4ZZ	Destruction of Left Trunk Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5H0ZZ	Destruction of Right Thorax Muscle, Open Approach	Procedure	ICD-10-PCS
0K5H3ZZ	Destruction of Right Thorax Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5H4ZZ	Destruction of Right Thorax Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5J0ZZ	Destruction of Left Thorax Muscle, Open Approach	Procedure	ICD-10-PCS
0K5J3ZZ	Destruction of Left Thorax Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5J4ZZ	Destruction of Left Thorax Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5K0ZZ	Destruction of Right Abdomen Muscle, Open Approach	Procedure	ICD-10-PCS
0K5K3ZZ	Destruction of Right Abdomen Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5K4ZZ	Destruction of Right Abdomen Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5L0ZZ	Destruction of Left Abdomen Muscle, Open Approach	Procedure	ICD-10-PCS
0K5L3ZZ	Destruction of Left Abdomen Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5L4ZZ	Destruction of Left Abdomen Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5M0ZZ	Destruction of Perineum Muscle, Open Approach	Procedure	ICD-10-PCS
0K5M3ZZ	Destruction of Perineum Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5M4ZZ	Destruction of Perineum Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5N0ZZ	Destruction of Right Hip Muscle, Open Approach	Procedure	ICD-10-PCS
0K5N3ZZ	Destruction of Right Hip Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5N4ZZ	Destruction of Right Hip Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5P0ZZ	Destruction of Left Hip Muscle, Open Approach	Procedure	ICD-10-PCS
0K5P3ZZ	Destruction of Left Hip Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5P4ZZ	Destruction of Left Hip Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5Q0ZZ	Destruction of Right Upper Leg Muscle, Open Approach	Procedure	ICD-10-PCS
0K5Q3ZZ	Destruction of Right Upper Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5Q4ZZ	Destruction of Right Upper Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5R0ZZ	Destruction of Left Upper Leg Muscle, Open Approach	Procedure	ICD-10-PCS
0K5R3ZZ	Destruction of Left Upper Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5R4ZZ	Destruction of Left Upper Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5S0ZZ	Destruction of Right Lower Leg Muscle, Open Approach	Procedure	ICD-10-PCS
0K5S3ZZ	Destruction of Right Lower Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0K5S4ZZ	Destruction of Right Lower Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5T0ZZ	Destruction of Left Lower Leg Muscle, Open Approach	Procedure	ICD-10-PCS
0K5T3ZZ	Destruction of Left Lower Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5T4ZZ	Destruction of Left Lower Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5V0ZZ	Destruction of Right Foot Muscle, Open Approach	Procedure	ICD-10-PCS
0K5V3ZZ	Destruction of Right Foot Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5V4ZZ	Destruction of Right Foot Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0K5W0ZZ	Destruction of Left Foot Muscle, Open Approach	Procedure	ICD-10-PCS
0K5W3ZZ	Destruction of Left Foot Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0K5W4ZZ	Destruction of Left Foot Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB00ZZ	Excision of Head Muscle, Open Approach	Procedure	ICD-10-PCS
0KB03ZZ	Excision of Head Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB04ZZ	Excision of Head Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB10ZZ	Excision of Facial Muscle, Open Approach	Procedure	ICD-10-PCS
0KB13ZZ	Excision of Facial Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB14ZZ	Excision of Facial Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB20ZZ	Excision of Right Neck Muscle, Open Approach	Procedure	ICD-10-PCS
0KB23ZZ	Excision of Right Neck Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB24ZZ	Excision of Right Neck Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB30ZZ	Excision of Left Neck Muscle, Open Approach	Procedure	ICD-10-PCS
0KB33ZZ	Excision of Left Neck Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB34ZZ	Excision of Left Neck Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB40ZZ	Excision of Tongue, Palate, Pharynx Muscle, Open Approach	Procedure	ICD-10-PCS
0KB43ZZ	Excision of Tongue, Palate, Pharynx Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB44ZZ	Excision of Tongue, Palate, Pharynx Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB50ZZ	Excision of Right Shoulder Muscle, Open Approach	Procedure	ICD-10-PCS
0KB53ZZ	Excision of Right Shoulder Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB54ZZ	Excision of Right Shoulder Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB60ZZ	Excision of Left Shoulder Muscle, Open Approach	Procedure	ICD-10-PCS
0KB63ZZ	Excision of Left Shoulder Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB64ZZ	Excision of Left Shoulder Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB70ZZ	Excision of Right Upper Arm Muscle, Open Approach	Procedure	ICD-10-PCS
0KB73ZZ	Excision of Right Upper Arm Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB74ZZ	Excision of Right Upper Arm Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0KB80ZZ	Excision of Left Upper Arm Muscle, Open Approach	Procedure	ICD-10-PCS
0KB83ZZ	Excision of Left Upper Arm Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB84ZZ	Excision of Left Upper Arm Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KB90ZZ	Excision of Right Lower Arm and Wrist Muscle, Open Approach	Procedure	ICD-10-PCS
0KB93ZZ	Excision of Right Lower Arm and Wrist Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KB94ZZ	Excision of Right Lower Arm and Wrist Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBB0ZZ	Excision of Left Lower Arm and Wrist Muscle, Open Approach	Procedure	ICD-10-PCS
0KBB3ZZ	Excision of Left Lower Arm and Wrist Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBB4ZZ	Excision of Left Lower Arm and Wrist Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBC0ZZ	Excision of Right Hand Muscle, Open Approach	Procedure	ICD-10-PCS
0KBC3ZZ	Excision of Right Hand Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBC4ZZ	Excision of Right Hand Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBD0ZZ	Excision of Left Hand Muscle, Open Approach	Procedure	ICD-10-PCS
0KBD3ZZ	Excision of Left Hand Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBD4ZZ	Excision of Left Hand Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBF0ZZ	Excision of Right Trunk Muscle, Open Approach	Procedure	ICD-10-PCS
0KBF3ZZ	Excision of Right Trunk Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBF4ZZ	Excision of Right Trunk Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBG0ZZ	Excision of Left Trunk Muscle, Open Approach	Procedure	ICD-10-PCS
0KBG3ZZ	Excision of Left Trunk Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBG4ZZ	Excision of Left Trunk Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBH0ZZ	Excision of Right Thorax Muscle, Open Approach	Procedure	ICD-10-PCS
0KBH3ZZ	Excision of Right Thorax Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBH4ZZ	Excision of Right Thorax Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBJ0ZZ	Excision of Left Thorax Muscle, Open Approach	Procedure	ICD-10-PCS
0KBJ3ZZ	Excision of Left Thorax Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBJ4ZZ	Excision of Left Thorax Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBK0ZZ	Excision of Right Abdomen Muscle, Open Approach	Procedure	ICD-10-PCS
0KBK3ZZ	Excision of Right Abdomen Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBK4ZZ	Excision of Right Abdomen Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBL0ZZ	Excision of Left Abdomen Muscle, Open Approach	Procedure	ICD-10-PCS
0KBL3ZZ	Excision of Left Abdomen Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
0KBL4ZZ	Excision of Left Abdomen Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0KBM0ZZ	Excision of Perineum Muscle, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OKBM3ZZ	Excision of Perineum Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBM4ZZ	Excision of Perineum Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBN0ZZ	Excision of Right Hip Muscle, Open Approach	Procedure	ICD-10-PCS
OKBN3ZZ	Excision of Right Hip Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBN4ZZ	Excision of Right Hip Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBP0ZZ	Excision of Left Hip Muscle, Open Approach	Procedure	ICD-10-PCS
OKBP3ZZ	Excision of Left Hip Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBP4ZZ	Excision of Left Hip Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBQ0ZZ	Excision of Right Upper Leg Muscle, Open Approach	Procedure	ICD-10-PCS
OKBQ3ZZ	Excision of Right Upper Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBQ4ZZ	Excision of Right Upper Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBR0ZZ	Excision of Left Upper Leg Muscle, Open Approach	Procedure	ICD-10-PCS
OKBR3ZZ	Excision of Left Upper Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBR4ZZ	Excision of Left Upper Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBS0ZZ	Excision of Right Lower Leg Muscle, Open Approach	Procedure	ICD-10-PCS
OKBS3ZZ	Excision of Right Lower Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBS4ZZ	Excision of Right Lower Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBT0ZZ	Excision of Left Lower Leg Muscle, Open Approach	Procedure	ICD-10-PCS
OKBT3ZZ	Excision of Left Lower Leg Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBT4ZZ	Excision of Left Lower Leg Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBV0ZZ	Excision of Right Foot Muscle, Open Approach	Procedure	ICD-10-PCS
OKBV3ZZ	Excision of Right Foot Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBV4ZZ	Excision of Right Foot Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKBW0ZZ	Excision of Left Foot Muscle, Open Approach	Procedure	ICD-10-PCS
OKBW3ZZ	Excision of Left Foot Muscle, Percutaneous Approach	Procedure	ICD-10-PCS
OKBW4ZZ	Excision of Left Foot Muscle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OKTH0ZZ	Resection of Right Thorax Muscle, Open Approach	Procedure	ICD-10-PCS
OKTJ0ZZ	Resection of Left Thorax Muscle, Open Approach	Procedure	ICD-10-PCS
OL500ZZ	Destruction of Head and Neck Tendon, Open Approach	Procedure	ICD-10-PCS
OL503ZZ	Destruction of Head and Neck Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OL504ZZ	Destruction of Head and Neck Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OL510ZZ	Destruction of Right Shoulder Tendon, Open Approach	Procedure	ICD-10-PCS
OL513ZZ	Destruction of Right Shoulder Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OL514ZZ	Destruction of Right Shoulder Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0L520ZZ	Destruction of Left Shoulder Tendon, Open Approach	Procedure	ICD-10-PCS
0L523ZZ	Destruction of Left Shoulder Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L524ZZ	Destruction of Left Shoulder Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L530ZZ	Destruction of Right Upper Arm Tendon, Open Approach	Procedure	ICD-10-PCS
0L533ZZ	Destruction of Right Upper Arm Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L534ZZ	Destruction of Right Upper Arm Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L540ZZ	Destruction of Left Upper Arm Tendon, Open Approach	Procedure	ICD-10-PCS
0L543ZZ	Destruction of Left Upper Arm Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L544ZZ	Destruction of Left Upper Arm Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L550ZZ	Destruction of Right Lower Arm and Wrist Tendon, Open Approach	Procedure	ICD-10-PCS
0L553ZZ	Destruction of Right Lower Arm and Wrist Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L554ZZ	Destruction of Right Lower Arm and Wrist Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L560ZZ	Destruction of Left Lower Arm and Wrist Tendon, Open Approach	Procedure	ICD-10-PCS
0L563ZZ	Destruction of Left Lower Arm and Wrist Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L564ZZ	Destruction of Left Lower Arm and Wrist Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L570ZZ	Destruction of Right Hand Tendon, Open Approach	Procedure	ICD-10-PCS
0L573ZZ	Destruction of Right Hand Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L574ZZ	Destruction of Right Hand Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L580ZZ	Destruction of Left Hand Tendon, Open Approach	Procedure	ICD-10-PCS
0L583ZZ	Destruction of Left Hand Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L584ZZ	Destruction of Left Hand Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L590ZZ	Destruction of Right Trunk Tendon, Open Approach	Procedure	ICD-10-PCS
0L593ZZ	Destruction of Right Trunk Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L594ZZ	Destruction of Right Trunk Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5B0ZZ	Destruction of Left Trunk Tendon, Open Approach	Procedure	ICD-10-PCS
0L5B3ZZ	Destruction of Left Trunk Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5B4ZZ	Destruction of Left Trunk Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5C0ZZ	Destruction of Right Thorax Tendon, Open Approach	Procedure	ICD-10-PCS
0L5C3ZZ	Destruction of Right Thorax Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5C4ZZ	Destruction of Right Thorax Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5D0ZZ	Destruction of Left Thorax Tendon, Open Approach	Procedure	ICD-10-PCS
0L5D3ZZ	Destruction of Left Thorax Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5D4ZZ	Destruction of Left Thorax Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0L5F0ZZ	Destruction of Right Abdomen Tendon, Open Approach	Procedure	ICD-10-PCS
0L5F3ZZ	Destruction of Right Abdomen Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5F4ZZ	Destruction of Right Abdomen Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5G0ZZ	Destruction of Left Abdomen Tendon, Open Approach	Procedure	ICD-10-PCS
0L5G3ZZ	Destruction of Left Abdomen Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5G4ZZ	Destruction of Left Abdomen Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5H0ZZ	Destruction of Perineum Tendon, Open Approach	Procedure	ICD-10-PCS
0L5H3ZZ	Destruction of Perineum Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5H4ZZ	Destruction of Perineum Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5J0ZZ	Destruction of Right Hip Tendon, Open Approach	Procedure	ICD-10-PCS
0L5J3ZZ	Destruction of Right Hip Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5J4ZZ	Destruction of Right Hip Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5K0ZZ	Destruction of Left Hip Tendon, Open Approach	Procedure	ICD-10-PCS
0L5K3ZZ	Destruction of Left Hip Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5K4ZZ	Destruction of Left Hip Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5L0ZZ	Destruction of Right Upper Leg Tendon, Open Approach	Procedure	ICD-10-PCS
0L5L3ZZ	Destruction of Right Upper Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5L4ZZ	Destruction of Right Upper Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5M0ZZ	Destruction of Left Upper Leg Tendon, Open Approach	Procedure	ICD-10-PCS
0L5M3ZZ	Destruction of Left Upper Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5M4ZZ	Destruction of Left Upper Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5N0ZZ	Destruction of Right Lower Leg Tendon, Open Approach	Procedure	ICD-10-PCS
0L5N3ZZ	Destruction of Right Lower Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5N4ZZ	Destruction of Right Lower Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5P0ZZ	Destruction of Left Lower Leg Tendon, Open Approach	Procedure	ICD-10-PCS
0L5P3ZZ	Destruction of Left Lower Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5P4ZZ	Destruction of Left Lower Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5Q0ZZ	Destruction of Right Knee Tendon, Open Approach	Procedure	ICD-10-PCS
0L5Q3ZZ	Destruction of Right Knee Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5Q4ZZ	Destruction of Right Knee Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5R0ZZ	Destruction of Left Knee Tendon, Open Approach	Procedure	ICD-10-PCS
0L5R3ZZ	Destruction of Left Knee Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5R4ZZ	Destruction of Left Knee Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5S0ZZ	Destruction of Right Ankle Tendon, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0L5S3ZZ	Destruction of Right Ankle Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5S4ZZ	Destruction of Right Ankle Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5T0ZZ	Destruction of Left Ankle Tendon, Open Approach	Procedure	ICD-10-PCS
0L5T3ZZ	Destruction of Left Ankle Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5T4ZZ	Destruction of Left Ankle Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5V0ZZ	Destruction of Right Foot Tendon, Open Approach	Procedure	ICD-10-PCS
0L5V3ZZ	Destruction of Right Foot Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5V4ZZ	Destruction of Right Foot Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0L5W0ZZ	Destruction of Left Foot Tendon, Open Approach	Procedure	ICD-10-PCS
0L5W3ZZ	Destruction of Left Foot Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0L5W4ZZ	Destruction of Left Foot Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB00ZZ	Excision of Head and Neck Tendon, Open Approach	Procedure	ICD-10-PCS
0LB03ZZ	Excision of Head and Neck Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB04ZZ	Excision of Head and Neck Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB10ZZ	Excision of Right Shoulder Tendon, Open Approach	Procedure	ICD-10-PCS
0LB13ZZ	Excision of Right Shoulder Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB14ZZ	Excision of Right Shoulder Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB20ZZ	Excision of Left Shoulder Tendon, Open Approach	Procedure	ICD-10-PCS
0LB23ZZ	Excision of Left Shoulder Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB24ZZ	Excision of Left Shoulder Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB30ZZ	Excision of Right Upper Arm Tendon, Open Approach	Procedure	ICD-10-PCS
0LB33ZZ	Excision of Right Upper Arm Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB34ZZ	Excision of Right Upper Arm Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB40ZZ	Excision of Left Upper Arm Tendon, Open Approach	Procedure	ICD-10-PCS
0LB43ZZ	Excision of Left Upper Arm Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB44ZZ	Excision of Left Upper Arm Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB50ZZ	Excision of Right Lower Arm and Wrist Tendon, Open Approach	Procedure	ICD-10-PCS
0LB53ZZ	Excision of Right Lower Arm and Wrist Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB54ZZ	Excision of Right Lower Arm and Wrist Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB60ZZ	Excision of Left Lower Arm and Wrist Tendon, Open Approach	Procedure	ICD-10-PCS
0LB63ZZ	Excision of Left Lower Arm and Wrist Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB64ZZ	Excision of Left Lower Arm and Wrist Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB70ZZ	Excision of Right Hand Tendon, Open Approach	Procedure	ICD-10-PCS
0LB73ZZ	Excision of Right Hand Tendon, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0LB74ZZ	Excision of Right Hand Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB80ZZ	Excision of Left Hand Tendon, Open Approach	Procedure	ICD-10-PCS
0LB83ZZ	Excision of Left Hand Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB84ZZ	Excision of Left Hand Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LB90ZZ	Excision of Right Trunk Tendon, Open Approach	Procedure	ICD-10-PCS
0LB93ZZ	Excision of Right Trunk Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LB94ZZ	Excision of Right Trunk Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBB0ZZ	Excision of Left Trunk Tendon, Open Approach	Procedure	ICD-10-PCS
0LBB3ZZ	Excision of Left Trunk Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBB4ZZ	Excision of Left Trunk Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBC0ZZ	Excision of Right Thorax Tendon, Open Approach	Procedure	ICD-10-PCS
0LBC3ZZ	Excision of Right Thorax Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBC4ZZ	Excision of Right Thorax Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBD0ZZ	Excision of Left Thorax Tendon, Open Approach	Procedure	ICD-10-PCS
0LBD3ZZ	Excision of Left Thorax Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBD4ZZ	Excision of Left Thorax Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBF0ZZ	Excision of Right Abdomen Tendon, Open Approach	Procedure	ICD-10-PCS
0LBF3ZZ	Excision of Right Abdomen Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBF4ZZ	Excision of Right Abdomen Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBG0ZZ	Excision of Left Abdomen Tendon, Open Approach	Procedure	ICD-10-PCS
0LBG3ZZ	Excision of Left Abdomen Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBG4ZZ	Excision of Left Abdomen Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBH0ZZ	Excision of Perineum Tendon, Open Approach	Procedure	ICD-10-PCS
0LBH3ZZ	Excision of Perineum Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBH4ZZ	Excision of Perineum Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBJ0ZZ	Excision of Right Hip Tendon, Open Approach	Procedure	ICD-10-PCS
0LBJ3ZZ	Excision of Right Hip Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBJ4ZZ	Excision of Right Hip Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBK0ZZ	Excision of Left Hip Tendon, Open Approach	Procedure	ICD-10-PCS
0LBK3ZZ	Excision of Left Hip Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBK4ZZ	Excision of Left Hip Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LBL0ZZ	Excision of Right Upper Leg Tendon, Open Approach	Procedure	ICD-10-PCS
0LBL3ZZ	Excision of Right Upper Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
0LBL4ZZ	Excision of Right Upper Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OLBM0ZZ	Excision of Left Upper Leg Tendon, Open Approach	Procedure	ICD-10-PCS
OLBM3ZZ	Excision of Left Upper Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBM4ZZ	Excision of Left Upper Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBN0ZZ	Excision of Right Lower Leg Tendon, Open Approach	Procedure	ICD-10-PCS
OLBN3ZZ	Excision of Right Lower Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBN4ZZ	Excision of Right Lower Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBP0ZZ	Excision of Left Lower Leg Tendon, Open Approach	Procedure	ICD-10-PCS
OLBP3ZZ	Excision of Left Lower Leg Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBP4ZZ	Excision of Left Lower Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBQ0ZZ	Excision of Right Knee Tendon, Open Approach	Procedure	ICD-10-PCS
OLBQ3ZZ	Excision of Right Knee Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBQ4ZZ	Excision of Right Knee Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBR0ZZ	Excision of Left Knee Tendon, Open Approach	Procedure	ICD-10-PCS
OLBR3ZZ	Excision of Left Knee Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBR4ZZ	Excision of Left Knee Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBS0ZZ	Excision of Right Ankle Tendon, Open Approach	Procedure	ICD-10-PCS
OLBS3ZZ	Excision of Right Ankle Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBS4ZZ	Excision of Right Ankle Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBT0ZZ	Excision of Left Ankle Tendon, Open Approach	Procedure	ICD-10-PCS
OLBT3ZZ	Excision of Left Ankle Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBT4ZZ	Excision of Left Ankle Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBV0ZZ	Excision of Right Foot Tendon, Open Approach	Procedure	ICD-10-PCS
OLBV3ZZ	Excision of Right Foot Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBV4ZZ	Excision of Right Foot Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLBW0ZZ	Excision of Left Foot Tendon, Open Approach	Procedure	ICD-10-PCS
OLBW3ZZ	Excision of Left Foot Tendon, Percutaneous Approach	Procedure	ICD-10-PCS
OLBW4ZZ	Excision of Left Foot Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT00ZZ	Resection of Head and Neck Tendon, Open Approach	Procedure	ICD-10-PCS
OLT04ZZ	Resection of Head and Neck Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT10ZZ	Resection of Right Shoulder Tendon, Open Approach	Procedure	ICD-10-PCS
OLT14ZZ	Resection of Right Shoulder Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT20ZZ	Resection of Left Shoulder Tendon, Open Approach	Procedure	ICD-10-PCS
OLT24ZZ	Resection of Left Shoulder Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT30ZZ	Resection of Right Upper Arm Tendon, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OLT34ZZ	Resection of Right Upper Arm Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT40ZZ	Resection of Left Upper Arm Tendon, Open Approach	Procedure	ICD-10-PCS
OLT44ZZ	Resection of Left Upper Arm Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT50ZZ	Resection of Right Lower Arm and Wrist Tendon, Open Approach	Procedure	ICD-10-PCS
OLT54ZZ	Resection of Right Lower Arm and Wrist Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT60ZZ	Resection of Left Lower Arm and Wrist Tendon, Open Approach	Procedure	ICD-10-PCS
OLT64ZZ	Resection of Left Lower Arm and Wrist Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLT90ZZ	Resection of Right Trunk Tendon, Open Approach	Procedure	ICD-10-PCS
OLT94ZZ	Resection of Right Trunk Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTB0ZZ	Resection of Left Trunk Tendon, Open Approach	Procedure	ICD-10-PCS
OLTB4ZZ	Resection of Left Trunk Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTC0ZZ	Resection of Right Thorax Tendon, Open Approach	Procedure	ICD-10-PCS
OLTC4ZZ	Resection of Right Thorax Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTD0ZZ	Resection of Left Thorax Tendon, Open Approach	Procedure	ICD-10-PCS
OLTD4ZZ	Resection of Left Thorax Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTF0ZZ	Resection of Right Abdomen Tendon, Open Approach	Procedure	ICD-10-PCS
OLTF4ZZ	Resection of Right Abdomen Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTG0ZZ	Resection of Left Abdomen Tendon, Open Approach	Procedure	ICD-10-PCS
OLTG4ZZ	Resection of Left Abdomen Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTH0ZZ	Resection of Perineum Tendon, Open Approach	Procedure	ICD-10-PCS
OLTH4ZZ	Resection of Perineum Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTJ0ZZ	Resection of Right Hip Tendon, Open Approach	Procedure	ICD-10-PCS
OLTJ4ZZ	Resection of Right Hip Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTK0ZZ	Resection of Left Hip Tendon, Open Approach	Procedure	ICD-10-PCS
OLTK4ZZ	Resection of Left Hip Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTL0ZZ	Resection of Right Upper Leg Tendon, Open Approach	Procedure	ICD-10-PCS
OLTL4ZZ	Resection of Right Upper Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTM0ZZ	Resection of Left Upper Leg Tendon, Open Approach	Procedure	ICD-10-PCS
OLTM4ZZ	Resection of Left Upper Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTN0ZZ	Resection of Right Lower Leg Tendon, Open Approach	Procedure	ICD-10-PCS
OLTN4ZZ	Resection of Right Lower Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTP0ZZ	Resection of Left Lower Leg Tendon, Open Approach	Procedure	ICD-10-PCS
OLTP4ZZ	Resection of Left Lower Leg Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OLTQ0ZZ	Resection of Right Knee Tendon, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0LTQ4ZZ	Resection of Right Knee Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LTR0ZZ	Resection of Left Knee Tendon, Open Approach	Procedure	ICD-10-PCS
0LTR4ZZ	Resection of Left Knee Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LTS0ZZ	Resection of Right Ankle Tendon, Open Approach	Procedure	ICD-10-PCS
0LTS4ZZ	Resection of Right Ankle Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LTT0ZZ	Resection of Left Ankle Tendon, Open Approach	Procedure	ICD-10-PCS
0LTT4ZZ	Resection of Left Ankle Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LTV0ZZ	Resection of Right Foot Tendon, Open Approach	Procedure	ICD-10-PCS
0LTV4ZZ	Resection of Right Foot Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0LTW0ZZ	Resection of Left Foot Tendon, Open Approach	Procedure	ICD-10-PCS
0LTW4ZZ	Resection of Left Foot Tendon, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0M510ZZ	Destruction of Right Shoulder Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0M513ZZ	Destruction of Right Shoulder Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0M514ZZ	Destruction of Right Shoulder Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0M520ZZ	Destruction of Left Shoulder Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0M523ZZ	Destruction of Left Shoulder Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0M524ZZ	Destruction of Left Shoulder Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0M530ZZ	Destruction of Right Elbow Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0M533ZZ	Destruction of Right Elbow Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0M534ZZ	Destruction of Right Elbow Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0M540ZZ	Destruction of Left Elbow Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0M543ZZ	Destruction of Left Elbow Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0M544ZZ	Destruction of Left Elbow Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0M550ZZ	Destruction of Right Wrist Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0M553ZZ	Destruction of Right Wrist Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0M554ZZ	Destruction of Right Wrist Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0M560ZZ	Destruction of Left Wrist Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0M563ZZ	Destruction of Left Wrist Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0M564ZZ	Destruction of Left Wrist Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MB10ZZ	Excision of Right Shoulder Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0MB13ZZ	Excision of Right Shoulder Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0MB14ZZ	Excision of Right Shoulder Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MB20ZZ	Excision of Left Shoulder Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0MB23ZZ	Excision of Left Shoulder Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0MB24ZZ	Excision of Left Shoulder Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MB30ZZ	Excision of Right Elbow Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0MB33ZZ	Excision of Right Elbow Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0MB34ZZ	Excision of Right Elbow Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MB40ZZ	Excision of Left Elbow Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0MB43ZZ	Excision of Left Elbow Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0MB44ZZ	Excision of Left Elbow Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MB50ZZ	Excision of Right Wrist Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0MB53ZZ	Excision of Right Wrist Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0MB54ZZ	Excision of Right Wrist Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MB60ZZ	Excision of Left Wrist Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0MB63ZZ	Excision of Left Wrist Bursa and Ligament, Percutaneous Approach	Procedure	ICD-10-PCS
0MB64ZZ	Excision of Left Wrist Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MT30ZZ	Resection of Right Elbow Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0MT34ZZ	Resection of Right Elbow Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0MT40ZZ	Resection of Left Elbow Bursa and Ligament, Open Approach	Procedure	ICD-10-PCS
0MT44ZZ	Resection of Left Elbow Bursa and Ligament, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5B0ZZ	Destruction of Nasal Bone, Open Approach	Procedure	ICD-10-PCS
0N5B3ZZ	Destruction of Nasal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5B4ZZ	Destruction of Nasal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5C0ZZ	Destruction of Sphenoid Bone, Open Approach	Procedure	ICD-10-PCS
0N5C3ZZ	Destruction of Sphenoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5C4ZZ	Destruction of Sphenoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5F0ZZ	Destruction of Right Ethmoid Bone, Open Approach	Procedure	ICD-10-PCS
0N5F3ZZ	Destruction of Right Ethmoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5F4ZZ	Destruction of Right Ethmoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5G0ZZ	Destruction of Left Ethmoid Bone, Open Approach	Procedure	ICD-10-PCS
0N5G3ZZ	Destruction of Left Ethmoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5G4ZZ	Destruction of Left Ethmoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5H0ZZ	Destruction of Right Lacrimal Bone, Open Approach	Procedure	ICD-10-PCS
0N5H3ZZ	Destruction of Right Lacrimal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5H4ZZ	Destruction of Right Lacrimal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5J0ZZ	Destruction of Left Lacrimal Bone, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0N5J3ZZ	Destruction of Left Lacrimal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5J4ZZ	Destruction of Left Lacrimal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5K0ZZ	Destruction of Right Palatine Bone, Open Approach	Procedure	ICD-10-PCS
0N5K3ZZ	Destruction of Right Palatine Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5K4ZZ	Destruction of Right Palatine Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5L0ZZ	Destruction of Left Palatine Bone, Open Approach	Procedure	ICD-10-PCS
0N5L3ZZ	Destruction of Left Palatine Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5L4ZZ	Destruction of Left Palatine Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5M0ZZ	Destruction of Right Zygomatic Bone, Open Approach	Procedure	ICD-10-PCS
0N5M3ZZ	Destruction of Right Zygomatic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5M4ZZ	Destruction of Right Zygomatic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5N0ZZ	Destruction of Left Zygomatic Bone, Open Approach	Procedure	ICD-10-PCS
0N5N3ZZ	Destruction of Left Zygomatic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5N4ZZ	Destruction of Left Zygomatic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5P0ZZ	Destruction of Right Orbit, Open Approach	Procedure	ICD-10-PCS
0N5P3ZZ	Destruction of Right Orbit, Percutaneous Approach	Procedure	ICD-10-PCS
0N5P4ZZ	Destruction of Right Orbit, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5Q0ZZ	Destruction of Left Orbit, Open Approach	Procedure	ICD-10-PCS
0N5Q3ZZ	Destruction of Left Orbit, Percutaneous Approach	Procedure	ICD-10-PCS
0N5Q4ZZ	Destruction of Left Orbit, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5R0ZZ	Destruction of Maxilla, Open Approach	Procedure	ICD-10-PCS
0N5R3ZZ	Destruction of Maxilla, Percutaneous Approach	Procedure	ICD-10-PCS
0N5R4ZZ	Destruction of Maxilla, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5T0ZZ	Destruction of Right Mandible, Open Approach	Procedure	ICD-10-PCS
0N5T3ZZ	Destruction of Right Mandible, Percutaneous Approach	Procedure	ICD-10-PCS
0N5T4ZZ	Destruction of Right Mandible, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5V0ZZ	Destruction of Left Mandible, Open Approach	Procedure	ICD-10-PCS
0N5V3ZZ	Destruction of Left Mandible, Percutaneous Approach	Procedure	ICD-10-PCS
0N5V4ZZ	Destruction of Left Mandible, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0N5X0ZZ	Destruction of Hyoid Bone, Open Approach	Procedure	ICD-10-PCS
0N5X3ZZ	Destruction of Hyoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0N5X4ZZ	Destruction of Hyoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0NB00ZZ	Excision of Skull, Open Approach	Procedure	ICD-10-PCS
0NB03ZZ	Excision of Skull, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
ONB04ZZ	Excision of Skull, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONB10ZZ	Excision of Frontal Bone, Open Approach	Procedure	ICD-10-PCS
ONB13ZZ	Excision of Frontal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONB14ZZ	Excision of Frontal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONB30ZZ	Excision of Right Parietal Bone, Open Approach	Procedure	ICD-10-PCS
ONB33ZZ	Excision of Right Parietal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONB34ZZ	Excision of Right Parietal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONB40ZZ	Excision of Left Parietal Bone, Open Approach	Procedure	ICD-10-PCS
ONB43ZZ	Excision of Left Parietal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONB44ZZ	Excision of Left Parietal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONB50ZZ	Excision of Right Temporal Bone, Open Approach	Procedure	ICD-10-PCS
ONB53ZZ	Excision of Right Temporal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONB54ZZ	Excision of Right Temporal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONB60ZZ	Excision of Left Temporal Bone, Open Approach	Procedure	ICD-10-PCS
ONB63ZZ	Excision of Left Temporal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONB64ZZ	Excision of Left Temporal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONB70ZZ	Excision of Occipital Bone, Open Approach	Procedure	ICD-10-PCS
ONB73ZZ	Excision of Occipital Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONB74ZZ	Excision of Occipital Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBB0ZZ	Excision of Nasal Bone, Open Approach	Procedure	ICD-10-PCS
ONBB3ZZ	Excision of Nasal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBB4ZZ	Excision of Nasal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBC0ZZ	Excision of Sphenoid Bone, Open Approach	Procedure	ICD-10-PCS
ONBC3ZZ	Excision of Sphenoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBC4ZZ	Excision of Sphenoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBF0ZZ	Excision of Right Ethmoid Bone, Open Approach	Procedure	ICD-10-PCS
ONBF3ZZ	Excision of Right Ethmoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBF4ZZ	Excision of Right Ethmoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBG0ZZ	Excision of Left Ethmoid Bone, Open Approach	Procedure	ICD-10-PCS
ONBG3ZZ	Excision of Left Ethmoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBG4ZZ	Excision of Left Ethmoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBH0ZZ	Excision of Right Lacrimal Bone, Open Approach	Procedure	ICD-10-PCS
ONBH3ZZ	Excision of Right Lacrimal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBH4ZZ	Excision of Right Lacrimal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
ONBJ0ZZ	Excision of Left Lacrimal Bone, Open Approach	Procedure	ICD-10-PCS
ONBJ3ZZ	Excision of Left Lacrimal Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBJ4ZZ	Excision of Left Lacrimal Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBK0ZZ	Excision of Right Palatine Bone, Open Approach	Procedure	ICD-10-PCS
ONBK3ZZ	Excision of Right Palatine Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBK4ZZ	Excision of Right Palatine Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBL0ZZ	Excision of Left Palatine Bone, Open Approach	Procedure	ICD-10-PCS
ONBL3ZZ	Excision of Left Palatine Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBL4ZZ	Excision of Left Palatine Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBM0ZZ	Excision of Right Zygomatic Bone, Open Approach	Procedure	ICD-10-PCS
ONBM3ZZ	Excision of Right Zygomatic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBM4ZZ	Excision of Right Zygomatic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBN0ZZ	Excision of Left Zygomatic Bone, Open Approach	Procedure	ICD-10-PCS
ONBN3ZZ	Excision of Left Zygomatic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBN4ZZ	Excision of Left Zygomatic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBR0ZZ	Excision of Maxilla, Open Approach	Procedure	ICD-10-PCS
ONBR3ZZ	Excision of Maxilla, Percutaneous Approach	Procedure	ICD-10-PCS
ONBR4ZZ	Excision of Maxilla, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBT0ZZ	Excision of Right Mandible, Open Approach	Procedure	ICD-10-PCS
ONBT3ZZ	Excision of Right Mandible, Percutaneous Approach	Procedure	ICD-10-PCS
ONBT4ZZ	Excision of Right Mandible, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBV0ZZ	Excision of Left Mandible, Open Approach	Procedure	ICD-10-PCS
ONBV3ZZ	Excision of Left Mandible, Percutaneous Approach	Procedure	ICD-10-PCS
ONBV4ZZ	Excision of Left Mandible, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONBX0ZZ	Excision of Hyoid Bone, Open Approach	Procedure	ICD-10-PCS
ONBX3ZZ	Excision of Hyoid Bone, Percutaneous Approach	Procedure	ICD-10-PCS
ONBX4ZZ	Excision of Hyoid Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONRT07Z	Replacement of Right Mandible with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ONRT0JZ	Replacement of Right Mandible with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
ONRT0KZ	Replacement of Right Mandible with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ONRT37Z	Replacement of Right Mandible with Autologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ONRT3JZ	Replacement of Right Mandible with Synthetic Substitute, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
ONRT3KZ	Replacement of Right Mandible with Nonautologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ONRT47Z	Replacement of Right Mandible with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONRT4JZ	Replacement of Right Mandible with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONRT4KZ	Replacement of Right Mandible with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONRV07Z	Replacement of Left Mandible with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ONRV0JZ	Replacement of Left Mandible with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
ONRV0KZ	Replacement of Left Mandible with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ONRV37Z	Replacement of Left Mandible with Autologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ONRV3JZ	Replacement of Left Mandible with Synthetic Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ONRV3KZ	Replacement of Left Mandible with Nonautologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ONRV47Z	Replacement of Left Mandible with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONRV4JZ	Replacement of Left Mandible with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONRV4KZ	Replacement of Left Mandible with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ONTC0ZZ	Resection of Sphenoid Bone, Open Approach	Procedure	ICD-10-PCS
ONTF0ZZ	Resection of Right Ethmoid Bone, Open Approach	Procedure	ICD-10-PCS
ONTG0ZZ	Resection of Left Ethmoid Bone, Open Approach	Procedure	ICD-10-PCS
ONTH0ZZ	Resection of Right Lacrimal Bone, Open Approach	Procedure	ICD-10-PCS
ONTJ0ZZ	Resection of Left Lacrimal Bone, Open Approach	Procedure	ICD-10-PCS
ONTK0ZZ	Resection of Right Palatine Bone, Open Approach	Procedure	ICD-10-PCS
ONTL0ZZ	Resection of Left Palatine Bone, Open Approach	Procedure	ICD-10-PCS
ONTM0ZZ	Resection of Right Zygomatic Bone, Open Approach	Procedure	ICD-10-PCS
ONTN0ZZ	Resection of Left Zygomatic Bone, Open Approach	Procedure	ICD-10-PCS
ONTP0ZZ	Resection of Right Orbit, Open Approach	Procedure	ICD-10-PCS
ONTQ0ZZ	Resection of Left Orbit, Open Approach	Procedure	ICD-10-PCS
ONTR0ZZ	Resection of Maxilla, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0NTT0ZZ	Resection of Right Mandible, Open Approach	Procedure	ICD-10-PCS
0NTV0ZZ	Resection of Left Mandible, Open Approach	Procedure	ICD-10-PCS
0NTX0ZZ	Resection of Hyoid Bone, Open Approach	Procedure	ICD-10-PCS
OP500ZZ	Destruction of Sternum, Open Approach	Procedure	ICD-10-PCS
OP503ZZ	Destruction of Sternum, Percutaneous Approach	Procedure	ICD-10-PCS
OP504ZZ	Destruction of Sternum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP510ZZ	Destruction of 1 to 2 Ribs, Open Approach	Procedure	ICD-10-PCS
OP513ZZ	Destruction of 1 to 2 Ribs, Percutaneous Approach	Procedure	ICD-10-PCS
OP514ZZ	Destruction of 1 to 2 Ribs, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP520ZZ	Destruction of 3 or More Ribs, Open Approach	Procedure	ICD-10-PCS
OP523ZZ	Destruction of 3 or More Ribs, Percutaneous Approach	Procedure	ICD-10-PCS
OP524ZZ	Destruction of 3 or More Ribs, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP530ZZ	Destruction of Cervical Vertebra, Open Approach	Procedure	ICD-10-PCS
OP533ZZ	Destruction of Cervical Vertebra, Percutaneous Approach	Procedure	ICD-10-PCS
OP534ZZ	Destruction of Cervical Vertebra, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP540ZZ	Destruction of Thoracic Vertebra, Open Approach	Procedure	ICD-10-PCS
OP543ZZ	Destruction of Thoracic Vertebra, Percutaneous Approach	Procedure	ICD-10-PCS
OP544ZZ	Destruction of Thoracic Vertebra, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP550ZZ	Destruction of Right Scapula, Open Approach	Procedure	ICD-10-PCS
OP553ZZ	Destruction of Right Scapula, Percutaneous Approach	Procedure	ICD-10-PCS
OP554ZZ	Destruction of Right Scapula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP560ZZ	Destruction of Left Scapula, Open Approach	Procedure	ICD-10-PCS
OP563ZZ	Destruction of Left Scapula, Percutaneous Approach	Procedure	ICD-10-PCS
OP564ZZ	Destruction of Left Scapula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP570ZZ	Destruction of Right Glenoid Cavity, Open Approach	Procedure	ICD-10-PCS
OP573ZZ	Destruction of Right Glenoid Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OP574ZZ	Destruction of Right Glenoid Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP580ZZ	Destruction of Left Glenoid Cavity, Open Approach	Procedure	ICD-10-PCS
OP583ZZ	Destruction of Left Glenoid Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OP584ZZ	Destruction of Left Glenoid Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP590ZZ	Destruction of Right Clavicle, Open Approach	Procedure	ICD-10-PCS
OP593ZZ	Destruction of Right Clavicle, Percutaneous Approach	Procedure	ICD-10-PCS
OP594ZZ	Destruction of Right Clavicle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP5B0ZZ	Destruction of Left Clavicle, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0P5B3ZZ	Destruction of Left Clavicle, Percutaneous Approach	Procedure	ICD-10-PCS
0P5B4ZZ	Destruction of Left Clavicle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5H0ZZ	Destruction of Right Radius, Open Approach	Procedure	ICD-10-PCS
0P5H3ZZ	Destruction of Right Radius, Percutaneous Approach	Procedure	ICD-10-PCS
0P5H4ZZ	Destruction of Right Radius, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5J0ZZ	Destruction of Left Radius, Open Approach	Procedure	ICD-10-PCS
0P5J3ZZ	Destruction of Left Radius, Percutaneous Approach	Procedure	ICD-10-PCS
0P5J4ZZ	Destruction of Left Radius, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5K0ZZ	Destruction of Right Ulna, Open Approach	Procedure	ICD-10-PCS
0P5K3ZZ	Destruction of Right Ulna, Percutaneous Approach	Procedure	ICD-10-PCS
0P5K4ZZ	Destruction of Right Ulna, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5L0ZZ	Destruction of Left Ulna, Open Approach	Procedure	ICD-10-PCS
0P5L3ZZ	Destruction of Left Ulna, Percutaneous Approach	Procedure	ICD-10-PCS
0P5L4ZZ	Destruction of Left Ulna, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5M0ZZ	Destruction of Right Carpal, Open Approach	Procedure	ICD-10-PCS
0P5M3ZZ	Destruction of Right Carpal, Percutaneous Approach	Procedure	ICD-10-PCS
0P5M4ZZ	Destruction of Right Carpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5N0ZZ	Destruction of Left Carpal, Open Approach	Procedure	ICD-10-PCS
0P5N3ZZ	Destruction of Left Carpal, Percutaneous Approach	Procedure	ICD-10-PCS
0P5N4ZZ	Destruction of Left Carpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5P0ZZ	Destruction of Right Metacarpal, Open Approach	Procedure	ICD-10-PCS
0P5P3ZZ	Destruction of Right Metacarpal, Percutaneous Approach	Procedure	ICD-10-PCS
0P5P4ZZ	Destruction of Right Metacarpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5Q0ZZ	Destruction of Left Metacarpal, Open Approach	Procedure	ICD-10-PCS
0P5Q3ZZ	Destruction of Left Metacarpal, Percutaneous Approach	Procedure	ICD-10-PCS
0P5Q4ZZ	Destruction of Left Metacarpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5R0ZZ	Destruction of Right Thumb Phalanx, Open Approach	Procedure	ICD-10-PCS
0P5R3ZZ	Destruction of Right Thumb Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
0P5R4ZZ	Destruction of Right Thumb Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5S0ZZ	Destruction of Left Thumb Phalanx, Open Approach	Procedure	ICD-10-PCS
0P5S3ZZ	Destruction of Left Thumb Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
0P5S4ZZ	Destruction of Left Thumb Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0P5T0ZZ	Destruction of Right Finger Phalanx, Open Approach	Procedure	ICD-10-PCS
0P5T3ZZ	Destruction of Right Finger Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OP5T4ZZ	Destruction of Right Finger Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OP5V0ZZ	Destruction of Left Finger Phalanx, Open Approach	Procedure	ICD-10-PCS
OP5V3ZZ	Destruction of Left Finger Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
OP5V4ZZ	Destruction of Left Finger Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB00ZZ	Excision of Sternum, Open Approach	Procedure	ICD-10-PCS
OPB03ZZ	Excision of Sternum, Percutaneous Approach	Procedure	ICD-10-PCS
OPB04ZZ	Excision of Sternum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB10ZZ	Excision of 1 to 2 Ribs, Open Approach	Procedure	ICD-10-PCS
OPB13ZZ	Excision of 1 to 2 Ribs, Percutaneous Approach	Procedure	ICD-10-PCS
OPB14ZZ	Excision of 1 to 2 Ribs, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB20ZZ	Excision of 3 or More Ribs, Open Approach	Procedure	ICD-10-PCS
OPB23ZZ	Excision of 3 or More Ribs, Percutaneous Approach	Procedure	ICD-10-PCS
OPB24ZZ	Excision of 3 or More Ribs, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB30ZZ	Excision of Cervical Vertebra, Open Approach	Procedure	ICD-10-PCS
OPB33ZZ	Excision of Cervical Vertebra, Percutaneous Approach	Procedure	ICD-10-PCS
OPB34ZZ	Excision of Cervical Vertebra, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB40ZZ	Excision of Thoracic Vertebra, Open Approach	Procedure	ICD-10-PCS
OPB43ZZ	Excision of Thoracic Vertebra, Percutaneous Approach	Procedure	ICD-10-PCS
OPB44ZZ	Excision of Thoracic Vertebra, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB50ZZ	Excision of Right Scapula, Open Approach	Procedure	ICD-10-PCS
OPB53ZZ	Excision of Right Scapula, Percutaneous Approach	Procedure	ICD-10-PCS
OPB54ZZ	Excision of Right Scapula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB60ZZ	Excision of Left Scapula, Open Approach	Procedure	ICD-10-PCS
OPB63ZZ	Excision of Left Scapula, Percutaneous Approach	Procedure	ICD-10-PCS
OPB64ZZ	Excision of Left Scapula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB70ZZ	Excision of Right Glenoid Cavity, Open Approach	Procedure	ICD-10-PCS
OPB73ZZ	Excision of Right Glenoid Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OPB74ZZ	Excision of Right Glenoid Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB80ZZ	Excision of Left Glenoid Cavity, Open Approach	Procedure	ICD-10-PCS
OPB83ZZ	Excision of Left Glenoid Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OPB84ZZ	Excision of Left Glenoid Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPB90ZZ	Excision of Right Clavicle, Open Approach	Procedure	ICD-10-PCS
OPB93ZZ	Excision of Right Clavicle, Percutaneous Approach	Procedure	ICD-10-PCS
OPB94ZZ	Excision of Right Clavicle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OPBB0ZZ	Excision of Left Clavicle, Open Approach	Procedure	ICD-10-PCS
OPBB3ZZ	Excision of Left Clavicle, Percutaneous Approach	Procedure	ICD-10-PCS
OPBB4ZZ	Excision of Left Clavicle, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBC0ZZ	Excision of Right Humeral Head, Open Approach	Procedure	ICD-10-PCS
OPBC3ZZ	Excision of Right Humeral Head, Percutaneous Approach	Procedure	ICD-10-PCS
OPBC4ZZ	Excision of Right Humeral Head, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBD0ZZ	Excision of Left Humeral Head, Open Approach	Procedure	ICD-10-PCS
OPBD3ZZ	Excision of Left Humeral Head, Percutaneous Approach	Procedure	ICD-10-PCS
OPBD4ZZ	Excision of Left Humeral Head, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBF0ZZ	Excision of Right Humeral Shaft, Open Approach	Procedure	ICD-10-PCS
OPBF3ZZ	Excision of Right Humeral Shaft, Percutaneous Approach	Procedure	ICD-10-PCS
OPBF4ZZ	Excision of Right Humeral Shaft, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBG0ZZ	Excision of Left Humeral Shaft, Open Approach	Procedure	ICD-10-PCS
OPBG3ZZ	Excision of Left Humeral Shaft, Percutaneous Approach	Procedure	ICD-10-PCS
OPBG4ZZ	Excision of Left Humeral Shaft, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBH0ZZ	Excision of Right Radius, Open Approach	Procedure	ICD-10-PCS
OPBH3ZZ	Excision of Right Radius, Percutaneous Approach	Procedure	ICD-10-PCS
OPBH4ZZ	Excision of Right Radius, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBJ0ZZ	Excision of Left Radius, Open Approach	Procedure	ICD-10-PCS
OPBJ3ZZ	Excision of Left Radius, Percutaneous Approach	Procedure	ICD-10-PCS
OPBJ4ZZ	Excision of Left Radius, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBK0ZZ	Excision of Right Ulna, Open Approach	Procedure	ICD-10-PCS
OPBK3ZZ	Excision of Right Ulna, Percutaneous Approach	Procedure	ICD-10-PCS
OPBK4ZZ	Excision of Right Ulna, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBL0ZZ	Excision of Left Ulna, Open Approach	Procedure	ICD-10-PCS
OPBL3ZZ	Excision of Left Ulna, Percutaneous Approach	Procedure	ICD-10-PCS
OPBL4ZZ	Excision of Left Ulna, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBM0ZZ	Excision of Right Carpal, Open Approach	Procedure	ICD-10-PCS
OPBM3ZZ	Excision of Right Carpal, Percutaneous Approach	Procedure	ICD-10-PCS
OPBM4ZZ	Excision of Right Carpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBN0ZZ	Excision of Left Carpal, Open Approach	Procedure	ICD-10-PCS
OPBN3ZZ	Excision of Left Carpal, Percutaneous Approach	Procedure	ICD-10-PCS
OPBN4ZZ	Excision of Left Carpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBP0ZZ	Excision of Right Metacarpal, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OPBP3ZZ	Excision of Right Metacarpal, Percutaneous Approach	Procedure	ICD-10-PCS
OPBP4ZZ	Excision of Right Metacarpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBQ0ZZ	Excision of Left Metacarpal, Open Approach	Procedure	ICD-10-PCS
OPBQ3ZZ	Excision of Left Metacarpal, Percutaneous Approach	Procedure	ICD-10-PCS
OPBQ4ZZ	Excision of Left Metacarpal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBR0ZZ	Excision of Right Thumb Phalanx, Open Approach	Procedure	ICD-10-PCS
OPBR3ZZ	Excision of Right Thumb Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
OPBR4ZZ	Excision of Right Thumb Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBS0ZZ	Excision of Left Thumb Phalanx, Open Approach	Procedure	ICD-10-PCS
OPBS3ZZ	Excision of Left Thumb Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
OPBS4ZZ	Excision of Left Thumb Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBT0ZZ	Excision of Right Finger Phalanx, Open Approach	Procedure	ICD-10-PCS
OPBT3ZZ	Excision of Right Finger Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
OPBT4ZZ	Excision of Right Finger Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPBV0ZZ	Excision of Left Finger Phalanx, Open Approach	Procedure	ICD-10-PCS
OPBV3ZZ	Excision of Left Finger Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
OPBV4ZZ	Excision of Left Finger Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OPT00ZZ	Resection of Sternum, Open Approach	Procedure	ICD-10-PCS
OPT10ZZ	Resection of 1 to 2 Ribs, Open Approach	Procedure	ICD-10-PCS
OPT20ZZ	Resection of 3 or More Ribs, Open Approach	Procedure	ICD-10-PCS
OPT50ZZ	Resection of Right Scapula, Open Approach	Procedure	ICD-10-PCS
OPT60ZZ	Resection of Left Scapula, Open Approach	Procedure	ICD-10-PCS
OPT70ZZ	Resection of Right Glenoid Cavity, Open Approach	Procedure	ICD-10-PCS
OPT80ZZ	Resection of Left Glenoid Cavity, Open Approach	Procedure	ICD-10-PCS
OPT90ZZ	Resection of Right Clavicle, Open Approach	Procedure	ICD-10-PCS
OPTB0ZZ	Resection of Left Clavicle, Open Approach	Procedure	ICD-10-PCS
OPTC0ZZ	Resection of Right Humeral Head, Open Approach	Procedure	ICD-10-PCS
OPTD0ZZ	Resection of Left Humeral Head, Open Approach	Procedure	ICD-10-PCS
OPTF0ZZ	Resection of Right Humeral Shaft, Open Approach	Procedure	ICD-10-PCS
OPTG0ZZ	Resection of Left Humeral Shaft, Open Approach	Procedure	ICD-10-PCS
OPTH0ZZ	Resection of Right Radius, Open Approach	Procedure	ICD-10-PCS
OPTJ0ZZ	Resection of Left Radius, Open Approach	Procedure	ICD-10-PCS
OPTK0ZZ	Resection of Right Ulna, Open Approach	Procedure	ICD-10-PCS
OPTL0ZZ	Resection of Left Ulna, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OPTM0ZZ	Resection of Right Carpal, Open Approach	Procedure	ICD-10-PCS
OPTN0ZZ	Resection of Left Carpal, Open Approach	Procedure	ICD-10-PCS
OPTP0ZZ	Resection of Right Metacarpal, Open Approach	Procedure	ICD-10-PCS
OPTQ0ZZ	Resection of Left Metacarpal, Open Approach	Procedure	ICD-10-PCS
OPTR0ZZ	Resection of Right Thumb Phalanx, Open Approach	Procedure	ICD-10-PCS
OPTS0ZZ	Resection of Left Thumb Phalanx, Open Approach	Procedure	ICD-10-PCS
OPTT0ZZ	Resection of Right Finger Phalanx, Open Approach	Procedure	ICD-10-PCS
OPTV0ZZ	Resection of Left Finger Phalanx, Open Approach	Procedure	ICD-10-PCS
0Q500ZZ	Destruction of Lumbar Vertebra, Open Approach	Procedure	ICD-10-PCS
0Q503ZZ	Destruction of Lumbar Vertebra, Percutaneous Approach	Procedure	ICD-10-PCS
0Q504ZZ	Destruction of Lumbar Vertebra, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q510ZZ	Destruction of Sacrum, Open Approach	Procedure	ICD-10-PCS
0Q513ZZ	Destruction of Sacrum, Percutaneous Approach	Procedure	ICD-10-PCS
0Q514ZZ	Destruction of Sacrum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q520ZZ	Destruction of Right Pelvic Bone, Open Approach	Procedure	ICD-10-PCS
0Q523ZZ	Destruction of Right Pelvic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0Q524ZZ	Destruction of Right Pelvic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q530ZZ	Destruction of Left Pelvic Bone, Open Approach	Procedure	ICD-10-PCS
0Q533ZZ	Destruction of Left Pelvic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0Q534ZZ	Destruction of Left Pelvic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q540ZZ	Destruction of Right Acetabulum, Open Approach	Procedure	ICD-10-PCS
0Q543ZZ	Destruction of Right Acetabulum, Percutaneous Approach	Procedure	ICD-10-PCS
0Q544ZZ	Destruction of Right Acetabulum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q550ZZ	Destruction of Left Acetabulum, Open Approach	Procedure	ICD-10-PCS
0Q553ZZ	Destruction of Left Acetabulum, Percutaneous Approach	Procedure	ICD-10-PCS
0Q554ZZ	Destruction of Left Acetabulum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q560ZZ	Destruction of Right Upper Femur, Open Approach	Procedure	ICD-10-PCS
0Q563ZZ	Destruction of Right Upper Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0Q564ZZ	Destruction of Right Upper Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q570ZZ	Destruction of Left Upper Femur, Open Approach	Procedure	ICD-10-PCS
0Q573ZZ	Destruction of Left Upper Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0Q574ZZ	Destruction of Left Upper Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q580ZZ	Destruction of Right Femoral Shaft, Open Approach	Procedure	ICD-10-PCS
0Q583ZZ	Destruction of Right Femoral Shaft, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0Q584ZZ	Destruction of Right Femoral Shaft, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q590ZZ	Destruction of Left Femoral Shaft, Open Approach	Procedure	ICD-10-PCS
0Q593ZZ	Destruction of Left Femoral Shaft, Percutaneous Approach	Procedure	ICD-10-PCS
0Q594ZZ	Destruction of Left Femoral Shaft, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5B0ZZ	Destruction of Right Lower Femur, Open Approach	Procedure	ICD-10-PCS
0Q5B3ZZ	Destruction of Right Lower Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5B4ZZ	Destruction of Right Lower Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5C0ZZ	Destruction of Left Lower Femur, Open Approach	Procedure	ICD-10-PCS
0Q5C3ZZ	Destruction of Left Lower Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5C4ZZ	Destruction of Left Lower Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5D0ZZ	Destruction of Right Patella, Open Approach	Procedure	ICD-10-PCS
0Q5D3ZZ	Destruction of Right Patella, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5D4ZZ	Destruction of Right Patella, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5F0ZZ	Destruction of Left Patella, Open Approach	Procedure	ICD-10-PCS
0Q5F3ZZ	Destruction of Left Patella, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5F4ZZ	Destruction of Left Patella, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5G0ZZ	Destruction of Right Tibia, Open Approach	Procedure	ICD-10-PCS
0Q5G3ZZ	Destruction of Right Tibia, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5G4ZZ	Destruction of Right Tibia, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5H0ZZ	Destruction of Left Tibia, Open Approach	Procedure	ICD-10-PCS
0Q5H3ZZ	Destruction of Left Tibia, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5H4ZZ	Destruction of Left Tibia, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5J0ZZ	Destruction of Right Fibula, Open Approach	Procedure	ICD-10-PCS
0Q5J3ZZ	Destruction of Right Fibula, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5J4ZZ	Destruction of Right Fibula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5K0ZZ	Destruction of Left Fibula, Open Approach	Procedure	ICD-10-PCS
0Q5K3ZZ	Destruction of Left Fibula, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5K4ZZ	Destruction of Left Fibula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5Q0ZZ	Destruction of Right Toe Phalanx, Open Approach	Procedure	ICD-10-PCS
0Q5Q3ZZ	Destruction of Right Toe Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5Q4ZZ	Destruction of Right Toe Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0Q5R0ZZ	Destruction of Left Toe Phalanx, Open Approach	Procedure	ICD-10-PCS
0Q5R3ZZ	Destruction of Left Toe Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5R4ZZ	Destruction of Left Toe Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0Q5S0ZZ	Destruction of Coccyx, Open Approach	Procedure	ICD-10-PCS
0Q5S3ZZ	Destruction of Coccyx, Percutaneous Approach	Procedure	ICD-10-PCS
0Q5S4ZZ	Destruction of Coccyx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB00ZZ	Excision of Lumbar Vertebra, Open Approach	Procedure	ICD-10-PCS
0QB03ZZ	Excision of Lumbar Vertebra, Percutaneous Approach	Procedure	ICD-10-PCS
0QB04ZZ	Excision of Lumbar Vertebra, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB10ZZ	Excision of Sacrum, Open Approach	Procedure	ICD-10-PCS
0QB13ZZ	Excision of Sacrum, Percutaneous Approach	Procedure	ICD-10-PCS
0QB14ZZ	Excision of Sacrum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB20ZZ	Excision of Right Pelvic Bone, Open Approach	Procedure	ICD-10-PCS
0QB23ZZ	Excision of Right Pelvic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0QB24ZZ	Excision of Right Pelvic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB30ZZ	Excision of Left Pelvic Bone, Open Approach	Procedure	ICD-10-PCS
0QB33ZZ	Excision of Left Pelvic Bone, Percutaneous Approach	Procedure	ICD-10-PCS
0QB34ZZ	Excision of Left Pelvic Bone, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB40ZZ	Excision of Right Acetabulum, Open Approach	Procedure	ICD-10-PCS
0QB43ZZ	Excision of Right Acetabulum, Percutaneous Approach	Procedure	ICD-10-PCS
0QB44ZZ	Excision of Right Acetabulum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB50ZZ	Excision of Left Acetabulum, Open Approach	Procedure	ICD-10-PCS
0QB53ZZ	Excision of Left Acetabulum, Percutaneous Approach	Procedure	ICD-10-PCS
0QB54ZZ	Excision of Left Acetabulum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB60ZZ	Excision of Right Upper Femur, Open Approach	Procedure	ICD-10-PCS
0QB63ZZ	Excision of Right Upper Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0QB64ZZ	Excision of Right Upper Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB70ZZ	Excision of Left Upper Femur, Open Approach	Procedure	ICD-10-PCS
0QB73ZZ	Excision of Left Upper Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0QB74ZZ	Excision of Left Upper Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB80ZZ	Excision of Right Femoral Shaft, Open Approach	Procedure	ICD-10-PCS
0QB83ZZ	Excision of Right Femoral Shaft, Percutaneous Approach	Procedure	ICD-10-PCS
0QB84ZZ	Excision of Right Femoral Shaft, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QB90ZZ	Excision of Left Femoral Shaft, Open Approach	Procedure	ICD-10-PCS
0QB93ZZ	Excision of Left Femoral Shaft, Percutaneous Approach	Procedure	ICD-10-PCS
0QB94ZZ	Excision of Left Femoral Shaft, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBB0ZZ	Excision of Right Lower Femur, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0QBB3ZZ	Excision of Right Lower Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0QBB4ZZ	Excision of Right Lower Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBC0ZZ	Excision of Left Lower Femur, Open Approach	Procedure	ICD-10-PCS
0QBC3ZZ	Excision of Left Lower Femur, Percutaneous Approach	Procedure	ICD-10-PCS
0QBC4ZZ	Excision of Left Lower Femur, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBD0ZZ	Excision of Right Patella, Open Approach	Procedure	ICD-10-PCS
0QBD3ZZ	Excision of Right Patella, Percutaneous Approach	Procedure	ICD-10-PCS
0QBD4ZZ	Excision of Right Patella, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBF0ZZ	Excision of Left Patella, Open Approach	Procedure	ICD-10-PCS
0QBF3ZZ	Excision of Left Patella, Percutaneous Approach	Procedure	ICD-10-PCS
0QBF4ZZ	Excision of Left Patella, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBG0ZZ	Excision of Right Tibia, Open Approach	Procedure	ICD-10-PCS
0QBG3ZZ	Excision of Right Tibia, Percutaneous Approach	Procedure	ICD-10-PCS
0QBG4ZZ	Excision of Right Tibia, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBH0ZZ	Excision of Left Tibia, Open Approach	Procedure	ICD-10-PCS
0QBH3ZZ	Excision of Left Tibia, Percutaneous Approach	Procedure	ICD-10-PCS
0QBH4ZZ	Excision of Left Tibia, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBJ0ZZ	Excision of Right Fibula, Open Approach	Procedure	ICD-10-PCS
0QBJ3ZZ	Excision of Right Fibula, Percutaneous Approach	Procedure	ICD-10-PCS
0QBJ4ZZ	Excision of Right Fibula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBK0ZZ	Excision of Left Fibula, Open Approach	Procedure	ICD-10-PCS
0QBK3ZZ	Excision of Left Fibula, Percutaneous Approach	Procedure	ICD-10-PCS
0QBK4ZZ	Excision of Left Fibula, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBL0ZZ	Excision of Right Tarsal, Open Approach	Procedure	ICD-10-PCS
0QBL3ZZ	Excision of Right Tarsal, Percutaneous Approach	Procedure	ICD-10-PCS
0QBL4ZZ	Excision of Right Tarsal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBM0ZZ	Excision of Left Tarsal, Open Approach	Procedure	ICD-10-PCS
0QBM3ZZ	Excision of Left Tarsal, Percutaneous Approach	Procedure	ICD-10-PCS
0QBM4ZZ	Excision of Left Tarsal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBN0ZZ	Excision of Right Metatarsal, Open Approach	Procedure	ICD-10-PCS
0QBN3ZZ	Excision of Right Metatarsal, Percutaneous Approach	Procedure	ICD-10-PCS
0QBN4ZZ	Excision of Right Metatarsal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBP0ZZ	Excision of Left Metatarsal, Open Approach	Procedure	ICD-10-PCS
0QBP3ZZ	Excision of Left Metatarsal, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0QBP4ZZ	Excision of Left Metatarsal, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBQ0ZZ	Excision of Right Toe Phalanx, Open Approach	Procedure	ICD-10-PCS
0QBQ3ZZ	Excision of Right Toe Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
0QBQ4ZZ	Excision of Right Toe Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBR0ZZ	Excision of Left Toe Phalanx, Open Approach	Procedure	ICD-10-PCS
0QBR3ZZ	Excision of Left Toe Phalanx, Percutaneous Approach	Procedure	ICD-10-PCS
0QBR4ZZ	Excision of Left Toe Phalanx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QBS0ZZ	Excision of Coccyx, Open Approach	Procedure	ICD-10-PCS
0QBS3ZZ	Excision of Coccyx, Percutaneous Approach	Procedure	ICD-10-PCS
0QBS4ZZ	Excision of Coccyx, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0QT20ZZ	Resection of Right Pelvic Bone, Open Approach	Procedure	ICD-10-PCS
0QT30ZZ	Resection of Left Pelvic Bone, Open Approach	Procedure	ICD-10-PCS
0QT40ZZ	Resection of Right Acetabulum, Open Approach	Procedure	ICD-10-PCS
0QT50ZZ	Resection of Left Acetabulum, Open Approach	Procedure	ICD-10-PCS
0QT60ZZ	Resection of Right Upper Femur, Open Approach	Procedure	ICD-10-PCS
0QT70ZZ	Resection of Left Upper Femur, Open Approach	Procedure	ICD-10-PCS
0QT80ZZ	Resection of Right Femoral Shaft, Open Approach	Procedure	ICD-10-PCS
0QT90ZZ	Resection of Left Femoral Shaft, Open Approach	Procedure	ICD-10-PCS
0QTB0ZZ	Resection of Right Lower Femur, Open Approach	Procedure	ICD-10-PCS
0QTC0ZZ	Resection of Left Lower Femur, Open Approach	Procedure	ICD-10-PCS
0QTD0ZZ	Resection of Right Patella, Open Approach	Procedure	ICD-10-PCS
0QTF0ZZ	Resection of Left Patella, Open Approach	Procedure	ICD-10-PCS
0QTG0ZZ	Resection of Right Tibia, Open Approach	Procedure	ICD-10-PCS
0QTH0ZZ	Resection of Left Tibia, Open Approach	Procedure	ICD-10-PCS
0QTI0ZZ	Resection of Right Fibula, Open Approach	Procedure	ICD-10-PCS
0QTK0ZZ	Resection of Left Fibula, Open Approach	Procedure	ICD-10-PCS
0QTL0ZZ	Resection of Right Tarsal, Open Approach	Procedure	ICD-10-PCS
0QTM0ZZ	Resection of Left Tarsal, Open Approach	Procedure	ICD-10-PCS
0QTN0ZZ	Resection of Right Metatarsal, Open Approach	Procedure	ICD-10-PCS
0QTP0ZZ	Resection of Left Metatarsal, Open Approach	Procedure	ICD-10-PCS
0QTO0ZZ	Resection of Right Toe Phalanx, Open Approach	Procedure	ICD-10-PCS
0QTR0ZZ	Resection of Left Toe Phalanx, Open Approach	Procedure	ICD-10-PCS
0QTS0ZZ	Resection of Coccyx, Open Approach	Procedure	ICD-10-PCS
OR5C0ZZ	Destruction of Right Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0R5C3ZZ	Destruction of Right Temporomandibular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5C4ZZ	Destruction of Right Temporomandibular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5D0ZZ	Destruction of Left Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS
0R5D3ZZ	Destruction of Left Temporomandibular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5D4ZZ	Destruction of Left Temporomandibular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5E0ZZ	Destruction of Right Sternoclavicular Joint, Open Approach	Procedure	ICD-10-PCS
0R5E3ZZ	Destruction of Right Sternoclavicular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5E4ZZ	Destruction of Right Sternoclavicular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5F0ZZ	Destruction of Left Sternoclavicular Joint, Open Approach	Procedure	ICD-10-PCS
0R5F3ZZ	Destruction of Left Sternoclavicular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5F4ZZ	Destruction of Left Sternoclavicular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5G0ZZ	Destruction of Right Acromioclavicular Joint, Open Approach	Procedure	ICD-10-PCS
0R5G3ZZ	Destruction of Right Acromioclavicular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5G4ZZ	Destruction of Right Acromioclavicular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5H0ZZ	Destruction of Left Acromioclavicular Joint, Open Approach	Procedure	ICD-10-PCS
0R5H3ZZ	Destruction of Left Acromioclavicular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5H4ZZ	Destruction of Left Acromioclavicular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5J0ZZ	Destruction of Right Shoulder Joint, Open Approach	Procedure	ICD-10-PCS
0R5J3ZZ	Destruction of Right Shoulder Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5J4ZZ	Destruction of Right Shoulder Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5K0ZZ	Destruction of Left Shoulder Joint, Open Approach	Procedure	ICD-10-PCS
0R5K3ZZ	Destruction of Left Shoulder Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5K4ZZ	Destruction of Left Shoulder Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5L0ZZ	Destruction of Right Elbow Joint, Open Approach	Procedure	ICD-10-PCS
0R5L3ZZ	Destruction of Right Elbow Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5L4ZZ	Destruction of Right Elbow Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5M0ZZ	Destruction of Left Elbow Joint, Open Approach	Procedure	ICD-10-PCS
0R5M3ZZ	Destruction of Left Elbow Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5M4ZZ	Destruction of Left Elbow Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5N0ZZ	Destruction of Right Wrist Joint, Open Approach	Procedure	ICD-10-PCS
0R5N3ZZ	Destruction of Right Wrist Joint, Percutaneous Approach	Procedure	ICD-10-PCS
0R5N4ZZ	Destruction of Right Wrist Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0R5P0ZZ	Destruction of Left Wrist Joint, Open Approach	Procedure	ICD-10-PCS
0R5P3ZZ	Destruction of Left Wrist Joint, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OR5P4ZZ	Destruction of Left Wrist Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBC0ZZ	Excision of Right Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS
ORBC3ZZ	Excision of Right Temporomandibular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBC4ZZ	Excision of Right Temporomandibular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBD0ZZ	Excision of Left Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS
ORBD3ZZ	Excision of Left Temporomandibular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBD4ZZ	Excision of Left Temporomandibular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBJ0ZZ	Excision of Right Shoulder Joint, Open Approach	Procedure	ICD-10-PCS
ORBJ3ZZ	Excision of Right Shoulder Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBJ4ZZ	Excision of Right Shoulder Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBK0ZZ	Excision of Left Shoulder Joint, Open Approach	Procedure	ICD-10-PCS
ORBK3ZZ	Excision of Left Shoulder Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBK4ZZ	Excision of Left Shoulder Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBL0ZZ	Excision of Right Elbow Joint, Open Approach	Procedure	ICD-10-PCS
ORBL3ZZ	Excision of Right Elbow Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBL4ZZ	Excision of Right Elbow Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBM0ZZ	Excision of Left Elbow Joint, Open Approach	Procedure	ICD-10-PCS
ORBM3ZZ	Excision of Left Elbow Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBM4ZZ	Excision of Left Elbow Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBN0ZZ	Excision of Right Wrist Joint, Open Approach	Procedure	ICD-10-PCS
ORBN3ZZ	Excision of Right Wrist Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBN4ZZ	Excision of Right Wrist Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORBP0ZZ	Excision of Left Wrist Joint, Open Approach	Procedure	ICD-10-PCS
ORBP3ZZ	Excision of Left Wrist Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORBP4ZZ	Excision of Left Wrist Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORQC0ZZ	Repair Right Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS
ORQC3ZZ	Repair Right Temporomandibular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORQC4ZZ	Repair Right Temporomandibular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORQD0ZZ	Repair Left Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS
ORQD3ZZ	Repair Left Temporomandibular Joint, Percutaneous Approach	Procedure	ICD-10-PCS
ORQD4ZZ	Repair Left Temporomandibular Joint, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORRC07Z	Replacement of Right Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
ORRC0JZ	Replacement of Right Temporomandibular Joint with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
ORRC0KZ	Replacement of Right Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ORRD07Z	Replacement of Left Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ORRD0JZ	Replacement of Left Temporomandibular Joint with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
ORRD0KZ	Replacement of Left Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ORTC0ZZ	Resection of Right Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS
ORTD0ZZ	Resection of Left Temporomandibular Joint, Open Approach	Procedure	ICD-10-PCS
ORTL0ZZ	Resection of Right Elbow Joint, Open Approach	Procedure	ICD-10-PCS
ORTM0ZZ	Resection of Left Elbow Joint, Open Approach	Procedure	ICD-10-PCS
ORUC07Z	Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ORUC0JZ	Supplement Right Temporomandibular Joint with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
ORUC0KZ	Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ORUC37Z	Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ORUC3JZ	Supplement Right Temporomandibular Joint with Synthetic Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ORUC3KZ	Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ORUC47Z	Supplement Right Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORUC4JZ	Supplement Right Temporomandibular Joint with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORUC4KZ	Supplement Right Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORUD07Z	Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
ORUD0JZ	Supplement Left Temporomandibular Joint with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
ORUD0KZ	Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Open Approach	Procedure	ICD-10-PCS
ORUD37Z	Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ORUD3JZ	Supplement Left Temporomandibular Joint with Synthetic Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ORUD3KZ	Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
ORUD47Z	Supplement Left Temporomandibular Joint with Autologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORUD4JZ	Supplement Left Temporomandibular Joint with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
ORUD4KZ	Supplement Left Temporomandibular Joint with Nonautologous Tissue Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTB00ZZ	Excision of Right Kidney, Open Approach	Procedure	ICD-10-PCS
OTB03ZZ	Excision of Right Kidney, Percutaneous Approach	Procedure	ICD-10-PCS
OTB04ZZ	Excision of Right Kidney, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTB07ZZ	Excision of Right Kidney, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTB08ZZ	Excision of Right Kidney, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTB10ZZ	Excision of Left Kidney, Open Approach	Procedure	ICD-10-PCS
OTB13ZZ	Excision of Left Kidney, Percutaneous Approach	Procedure	ICD-10-PCS
OTB14ZZ	Excision of Left Kidney, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTB17ZZ	Excision of Left Kidney, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTB18ZZ	Excision of Left Kidney, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTB30ZZ	Excision of Right Kidney Pelvis, Open Approach	Procedure	ICD-10-PCS
OTB33ZZ	Excision of Right Kidney Pelvis, Percutaneous Approach	Procedure	ICD-10-PCS
OTB34ZZ	Excision of Right Kidney Pelvis, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTB37ZZ	Excision of Right Kidney Pelvis, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTB38ZZ	Excision of Right Kidney Pelvis, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTB40ZZ	Excision of Left Kidney Pelvis, Open Approach	Procedure	ICD-10-PCS
OTB43ZZ	Excision of Left Kidney Pelvis, Percutaneous Approach	Procedure	ICD-10-PCS
OTB44ZZ	Excision of Left Kidney Pelvis, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTB47ZZ	Excision of Left Kidney Pelvis, Via Natural or Artificial Opening	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OTB48ZZ	Excision of Left Kidney Pelvis, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTBB0ZZ	Excision of Bladder, Open Approach	Procedure	ICD-10-PCS
OTBB3ZZ	Excision of Bladder, Percutaneous Approach	Procedure	ICD-10-PCS
OTBB4ZZ	Excision of Bladder, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTBC0ZZ	Excision of Bladder Neck, Open Approach	Procedure	ICD-10-PCS
OTBC3ZZ	Excision of Bladder Neck, Percutaneous Approach	Procedure	ICD-10-PCS
OTBC4ZZ	Excision of Bladder Neck, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT00ZZ	Resection of Right Kidney, Open Approach	Procedure	ICD-10-PCS
OTT04ZZ	Resection of Right Kidney, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT10ZZ	Resection of Left Kidney, Open Approach	Procedure	ICD-10-PCS
OTT14ZZ	Resection of Left Kidney, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT20ZZ	Resection of Bilateral Kidneys, Open Approach	Procedure	ICD-10-PCS
OTT24ZZ	Resection of Bilateral Kidneys, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT30ZZ	Resection of Right Kidney Pelvis, Open Approach	Procedure	ICD-10-PCS
OTT34ZZ	Resection of Right Kidney Pelvis, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT37ZZ	Resection of Right Kidney Pelvis, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTT38ZZ	Resection of Right Kidney Pelvis, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTT40ZZ	Resection of Left Kidney Pelvis, Open Approach	Procedure	ICD-10-PCS
OTT44ZZ	Resection of Left Kidney Pelvis, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT47ZZ	Resection of Left Kidney Pelvis, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTT48ZZ	Resection of Left Kidney Pelvis, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTT60ZZ	Resection of Right Ureter, Open Approach	Procedure	ICD-10-PCS
OTT64ZZ	Resection of Right Ureter, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT67ZZ	Resection of Right Ureter, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTT68ZZ	Resection of Right Ureter, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTT70ZZ	Resection of Left Ureter, Open Approach	Procedure	ICD-10-PCS
OTT74ZZ	Resection of Left Ureter, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTT77ZZ	Resection of Left Ureter, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTT78ZZ	Resection of Left Ureter, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTTB0ZZ	Resection of Bladder, Open Approach	Procedure	ICD-10-PCS
OTTB4ZZ	Resection of Bladder, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OTTB7ZZ	Resection of Bladder, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
OTTB8ZZ	Resection of Bladder, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
OTTC0ZZ	Resection of Bladder Neck, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0TTC4ZZ	Resection of Bladder Neck, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0TTC7ZZ	Resection of Bladder Neck, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0TTC8ZZ	Resection of Bladder Neck, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0TTD0ZZ	Resection of Urethra, Open Approach	Procedure	ICD-10-PCS
0TTD4ZZ	Resection of Urethra, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0TTD7ZZ	Resection of Urethra, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0TTD8ZZ	Resection of Urethra, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0U540ZZ	Destruction of Uterine Supporting Structure, Open Approach	Procedure	ICD-10-PCS
0U543ZZ	Destruction of Uterine Supporting Structure, Percutaneous Approach	Procedure	ICD-10-PCS
0U544ZZ	Destruction of Uterine Supporting Structure, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0U548ZZ	Destruction of Uterine Supporting Structure, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0U5C0ZZ	Destruction of Cervix, Open Approach	Procedure	ICD-10-PCS
0U5C3ZZ	Destruction of Cervix, Percutaneous Approach	Procedure	ICD-10-PCS
0U5C4ZZ	Destruction of Cervix, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0U5C7ZZ	Destruction of Cervix, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0U5C8ZZ	Destruction of Cervix, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0U5M0ZZ	Destruction of Vulva, Open Approach	Procedure	ICD-10-PCS
0U5MXZZ	Destruction of Vulva, External Approach	Procedure	ICD-10-PCS
0UB40ZZ	Excision of Uterine Supporting Structure, Open Approach	Procedure	ICD-10-PCS
0UB43ZZ	Excision of Uterine Supporting Structure, Percutaneous Approach	Procedure	ICD-10-PCS
0UB44ZZ	Excision of Uterine Supporting Structure, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0UB47ZZ	Excision of Uterine Supporting Structure, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0UB48ZZ	Excision of Uterine Supporting Structure, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0UBC0ZZ	Excision of Cervix, Open Approach	Procedure	ICD-10-PCS
0UBC3ZZ	Excision of Cervix, Percutaneous Approach	Procedure	ICD-10-PCS
0UBC4ZZ	Excision of Cervix, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0UBC7ZZ	Excision of Cervix, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0UBC8ZZ	Excision of Cervix, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0UBM0ZZ	Excision of Vulva, Open Approach	Procedure	ICD-10-PCS
0UBMXZZ	Excision of Vulva, External Approach	Procedure	ICD-10-PCS
0UT00ZZ	Resection of Right Ovary, Open Approach	Procedure	ICD-10-PCS
0UT04ZZ	Resection of Right Ovary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0OUT07ZZ	Resection of Right Ovary, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0OUT08ZZ	Resection of Right Ovary, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0OUT0FZZ	Resection of Right Ovary, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0OUT10ZZ	Resection of Left Ovary, Open Approach	Procedure	ICD-10-PCS
0OUT14ZZ	Resection of Left Ovary, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0OUT17ZZ	Resection of Left Ovary, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0OUT18ZZ	Resection of Left Ovary, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0OUT1FZZ	Resection of Left Ovary, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0OUT20ZZ	Resection of Bilateral Ovaries, Open Approach	Procedure	ICD-10-PCS
0OUT24ZZ	Resection of Bilateral Ovaries, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0OUT27ZZ	Resection of Bilateral Ovaries, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0OUT28ZZ	Resection of Bilateral Ovaries, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0OUT2FZZ	Resection of Bilateral Ovaries, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0OUT40ZZ	Resection of Uterine Supporting Structure, Open Approach	Procedure	ICD-10-PCS
0OUT44ZZ	Resection of Uterine Supporting Structure, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0OUT47ZZ	Resection of Uterine Supporting Structure, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0OUT48ZZ	Resection of Uterine Supporting Structure, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0OUT50ZZ	Resection of Right Fallopian Tube, Open Approach	Procedure	ICD-10-PCS
0OUT54ZZ	Resection of Right Fallopian Tube, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0OUT60ZZ	Resection of Left Fallopian Tube, Open Approach	Procedure	ICD-10-PCS
0OUT64ZZ	Resection of Left Fallopian Tube, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0OUT70ZZ	Resection of Bilateral Fallopian Tubes, Open Approach	Procedure	ICD-10-PCS
0OUT74ZZ	Resection of Bilateral Fallopian Tubes, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0OUT90ZL	Resection of Uterus, Supracervical, Open Approach	Procedure	ICD-10-PCS
0OUT90ZZ	Resection of Uterus, Open Approach	Procedure	ICD-10-PCS
0OUT94ZZ	Resection of Uterus, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0OUT97ZL	Resection of Uterus, Supracervical, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0OUT97ZZ	Resection of Uterus, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0OUT98ZL	Resection of Uterus, Supracervical, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0OUT98ZZ	Resection of Uterus, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0UT9FZL	Resection of Uterus, Supracervical, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0UT9FZZ	Resection of Uterus, Via Natural or Artificial Opening With Percutaneous Endoscopic Assistance	Procedure	ICD-10-PCS
0UTC0ZZ	Resection of Cervix, Open Approach	Procedure	ICD-10-PCS
0UTC4ZZ	Resection of Cervix, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0UTC7ZZ	Resection of Cervix, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0UTC8ZZ	Resection of Cervix, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0UTG0ZZ	Resection of Vagina, Open Approach	Procedure	ICD-10-PCS
0V500ZZ	Destruction of Prostate, Open Approach	Procedure	ICD-10-PCS
0V503ZZ	Destruction of Prostate, Percutaneous Approach	Procedure	ICD-10-PCS
0V504ZZ	Destruction of Prostate, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0V550ZZ	Destruction of Scrotum, Open Approach	Procedure	ICD-10-PCS
0V553ZZ	Destruction of Scrotum, Percutaneous Approach	Procedure	ICD-10-PCS
0V554ZZ	Destruction of Scrotum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0V55XZZ	Destruction of Scrotum, External Approach	Procedure	ICD-10-PCS
0V5S0ZZ	Destruction of Penis, Open Approach	Procedure	ICD-10-PCS
0V5S3ZZ	Destruction of Penis, Percutaneous Approach	Procedure	ICD-10-PCS
0V5S4ZZ	Destruction of Penis, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0V5SXZZ	Destruction of Penis, External Approach	Procedure	ICD-10-PCS
0V5T0ZZ	Destruction of Prepuce, Open Approach	Procedure	ICD-10-PCS
0V5T3ZZ	Destruction of Prepuce, Percutaneous Approach	Procedure	ICD-10-PCS
0V5T4ZZ	Destruction of Prepuce, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0V5TXZZ	Destruction of Prepuce, External Approach	Procedure	ICD-10-PCS
0VB50ZZ	Excision of Scrotum, Open Approach	Procedure	ICD-10-PCS
0VB53ZZ	Excision of Scrotum, Percutaneous Approach	Procedure	ICD-10-PCS
0VB54ZZ	Excision of Scrotum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VB5XZZ	Excision of Scrotum, External Approach	Procedure	ICD-10-PCS
0VBS0ZZ	Excision of Penis, Open Approach	Procedure	ICD-10-PCS
0VBS3ZZ	Excision of Penis, Percutaneous Approach	Procedure	ICD-10-PCS
0VBS4ZZ	Excision of Penis, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VBSXZZ	Excision of Penis, External Approach	Procedure	ICD-10-PCS
0VBT0ZZ	Excision of Prepuce, Open Approach	Procedure	ICD-10-PCS
0VBT3ZZ	Excision of Prepuce, Percutaneous Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0VBT4ZZ	Excision of Prepuce, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VBTXZZ	Excision of Prepuce, External Approach	Procedure	ICD-10-PCS
0VT00ZZ	Resection of Prostate, Open Approach	Procedure	ICD-10-PCS
0VT04ZZ	Resection of Prostate, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VT07ZZ	Resection of Prostate, Via Natural or Artificial Opening	Procedure	ICD-10-PCS
0VT08ZZ	Resection of Prostate, Via Natural or Artificial Opening Endoscopic	Procedure	ICD-10-PCS
0VT30ZZ	Resection of Bilateral Seminal Vesicles, Open Approach	Procedure	ICD-10-PCS
0VT34ZZ	Resection of Bilateral Seminal Vesicles, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VT50ZZ	Resection of Scrotum, Open Approach	Procedure	ICD-10-PCS
0VT54ZZ	Resection of Scrotum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0VT5XZZ	Resection of Scrotum, External Approach	Procedure	ICD-10-PCS
0W190J4	Bypass Right Pleural Cavity to Cutaneous with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0W190JY	Bypass Right Pleural Cavity to Lower Vein with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0W193J4	Bypass Right Pleural Cavity to Cutaneous with Synthetic Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
0W194J4	Bypass Right Pleural Cavity to Cutaneous with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0W194JY	Bypass Right Pleural Cavity to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0W1B0J4	Bypass Left Pleural Cavity to Cutaneous with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0W1B0JY	Bypass Left Pleural Cavity to Lower Vein with Synthetic Substitute, Open Approach	Procedure	ICD-10-PCS
0W1B3J4	Bypass Left Pleural Cavity to Cutaneous with Synthetic Substitute, Percutaneous Approach	Procedure	ICD-10-PCS
0W1B4J4	Bypass Left Pleural Cavity to Cutaneous with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0W1B4JY	Bypass Left Pleural Cavity to Lower Vein with Synthetic Substitute, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0W9900Z	Drainage of Right Pleural Cavity with Drainage Device, Open Approach	Procedure	ICD-10-PCS
0W990ZZ	Drainage of Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
0W9B00Z	Drainage of Left Pleural Cavity with Drainage Device, Open Approach	Procedure	ICD-10-PCS
0W9B0ZZ	Drainage of Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
0WB00ZZ	Excision of Head, Open Approach	Procedure	ICD-10-PCS
0WB03ZZ	Excision of Head, Percutaneous Approach	Procedure	ICD-10-PCS
0WB04ZZ	Excision of Head, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0WB0XZZ	Excision of Head, External Approach	Procedure	ICD-10-PCS
0WB20ZZ	Excision of Face, Open Approach	Procedure	ICD-10-PCS
0WB23ZZ	Excision of Face, Percutaneous Approach	Procedure	ICD-10-PCS
0WB24ZZ	Excision of Face, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WB2XZZ	Excision of Face, External Approach	Procedure	ICD-10-PCS
0WB40ZZ	Excision of Upper Jaw, Open Approach	Procedure	ICD-10-PCS
0WB43ZZ	Excision of Upper Jaw, Percutaneous Approach	Procedure	ICD-10-PCS
0WB44ZZ	Excision of Upper Jaw, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WB4XZZ	Excision of Upper Jaw, External Approach	Procedure	ICD-10-PCS
0WB50ZZ	Excision of Lower Jaw, Open Approach	Procedure	ICD-10-PCS
0WB53ZZ	Excision of Lower Jaw, Percutaneous Approach	Procedure	ICD-10-PCS
0WB54ZZ	Excision of Lower Jaw, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WB5XZZ	Excision of Lower Jaw, External Approach	Procedure	ICD-10-PCS
0WB60ZZ	Excision of Neck, Open Approach	Procedure	ICD-10-PCS
0WB63ZZ	Excision of Neck, Percutaneous Approach	Procedure	ICD-10-PCS
0WB64ZZ	Excision of Neck, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WB6XZZ	Excision of Neck, External Approach	Procedure	ICD-10-PCS
0WBH0ZZ	Excision of Retroperitoneum, Open Approach	Procedure	ICD-10-PCS
0WBH3ZZ	Excision of Retroperitoneum, Percutaneous Approach	Procedure	ICD-10-PCS
0WBH4ZZ	Excision of Retroperitoneum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WBK0ZZ	Excision of Upper Back, Open Approach	Procedure	ICD-10-PCS
0WBK3ZZ	Excision of Upper Back, Percutaneous Approach	Procedure	ICD-10-PCS
0WBK4ZZ	Excision of Upper Back, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WBKXZZ	Excision of Upper Back, External Approach	Procedure	ICD-10-PCS
0WBL0ZZ	Excision of Lower Back, Open Approach	Procedure	ICD-10-PCS
0WBL3ZZ	Excision of Lower Back, Percutaneous Approach	Procedure	ICD-10-PCS
0WBL4ZZ	Excision of Lower Back, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WBLXZZ	Excision of Lower Back, External Approach	Procedure	ICD-10-PCS
0WBM0ZZ	Excision of Male Perineum, Open Approach	Procedure	ICD-10-PCS
0WBM3ZZ	Excision of Male Perineum, Percutaneous Approach	Procedure	ICD-10-PCS
0WBM4ZZ	Excision of Male Perineum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WBMXZZ	Excision of Male Perineum, External Approach	Procedure	ICD-10-PCS
0WBN0ZX	Excision of Female Perineum, Open Approach, Diagnostic	Procedure	ICD-10-PCS
0WBN0ZZ	Excision of Female Perineum, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OWBN3ZX	Excision of Female Perineum, Percutaneous Approach, Diagnostic	Procedure	ICD-10-PCS
OWBN3ZZ	Excision of Female Perineum, Percutaneous Approach	Procedure	ICD-10-PCS
OWBN4ZX	Excision of Female Perineum, Percutaneous Endoscopic Approach, Diagnostic	Procedure	ICD-10-PCS
OWBN4ZZ	Excision of Female Perineum, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWBNXZX	Excision of Female Perineum, External Approach, Diagnostic	Procedure	ICD-10-PCS
OWBNXZZ	Excision of Female Perineum, External Approach	Procedure	ICD-10-PCS
OWC90ZZ	Extirpation of Matter from Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWC93ZZ	Extirpation of Matter from Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWC94ZZ	Extirpation of Matter from Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWCB0ZZ	Extirpation of Matter from Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWCB3ZZ	Extirpation of Matter from Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWCB4ZZ	Extirpation of Matter from Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWCQ0ZZ	Extirpation of Matter from Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
OWCQ3ZZ	Extirpation of Matter from Respiratory Tract, Percutaneous Approach	Procedure	ICD-10-PCS
OWCQ4ZZ	Extirpation of Matter from Respiratory Tract, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWH903Z	Insertion of Infusion Device into Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWH90YZ	Insertion of Other Device into Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWH933Z	Insertion of Infusion Device into Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWH93YZ	Insertion of Other Device into Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWH943Z	Insertion of Infusion Device into Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWH94YZ	Insertion of Other Device into Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWHB03Z	Insertion of Infusion Device into Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWHB0YZ	Insertion of Other Device into Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWHB33Z	Insertion of Infusion Device into Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWHB3YZ	Insertion of Other Device into Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWHB43Z	Insertion of Infusion Device into Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWHB4YZ	Insertion of Other Device into Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWHQ03Z	Insertion of Infusion Device into Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
OWHQ0YZ	Insertion of Other Device into Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
OWP900Z	Removal of Drainage Device from Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWP901Z	Removal of Radioactive Element from Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OWP903Z	Removal of Infusion Device from Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWP90JZ	Removal of Synthetic Substitute from Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWP90YZ	Removal of Other Device from Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWP930Z	Removal of Drainage Device from Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWP931Z	Removal of Radioactive Element from Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWP933Z	Removal of Infusion Device from Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWP93JZ	Removal of Synthetic Substitute from Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWP93YZ	Removal of Other Device from Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWP940Z	Removal of Drainage Device from Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWP941Z	Removal of Radioactive Element from Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWP943Z	Removal of Infusion Device from Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWP94JZ	Removal of Synthetic Substitute from Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWP94YZ	Removal of Other Device from Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWPB00Z	Removal of Drainage Device from Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWPB01Z	Removal of Radioactive Element from Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWPB03Z	Removal of Infusion Device from Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWPB0JZ	Removal of Synthetic Substitute from Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWPB0YZ	Removal of Other Device from Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWPB30Z	Removal of Drainage Device from Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWPB31Z	Removal of Radioactive Element from Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWPB33Z	Removal of Infusion Device from Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWPB3JZ	Removal of Synthetic Substitute from Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWPB3YZ	Removal of Other Device from Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWPB40Z	Removal of Drainage Device from Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWPB41Z	Removal of Radioactive Element from Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWPB43Z	Removal of Infusion Device from Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
OWPB4JZ	Removal of Synthetic Substitute from Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWPB4YZ	Removal of Other Device from Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWPQ01Z	Removal of Radioactive Element from Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
OWPQ03Z	Removal of Infusion Device from Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
OWPQ0YZ	Removal of Other Device from Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
OWW900Z	Revision of Drainage Device in Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWW901Z	Revision of Radioactive Element in Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWW903Z	Revision of Infusion Device in Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWW90JZ	Revision of Synthetic Substitute in Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWW90YZ	Revision of Other Device in Right Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWW930Z	Revision of Drainage Device in Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWW931Z	Revision of Radioactive Element in Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWW933Z	Revision of Infusion Device in Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWW93JZ	Revision of Synthetic Substitute in Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWW93YZ	Revision of Other Device in Right Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWW940Z	Revision of Drainage Device in Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWW941Z	Revision of Radioactive Element in Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWW943Z	Revision of Infusion Device in Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWW94JZ	Revision of Synthetic Substitute in Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWW94YZ	Revision of Other Device in Right Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
OWWB00Z	Revision of Drainage Device in Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWWB01Z	Revision of Radioactive Element in Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWWB03Z	Revision of Infusion Device in Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWWB0JZ	Revision of Synthetic Substitute in Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWWB0YZ	Revision of Other Device in Left Pleural Cavity, Open Approach	Procedure	ICD-10-PCS
OWWB30Z	Revision of Drainage Device in Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWWB31Z	Revision of Radioactive Element in Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
OWWB33Z	Revision of Infusion Device in Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0WWB3JZ	Revision of Synthetic Substitute in Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WWB3YZ	Revision of Other Device in Left Pleural Cavity, Percutaneous Approach	Procedure	ICD-10-PCS
0WWB40Z	Revision of Drainage Device in Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WWB41Z	Revision of Radioactive Element in Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WWB43Z	Revision of Infusion Device in Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WWB4JZ	Revision of Synthetic Substitute in Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WWB4YZ	Revision of Other Device in Left Pleural Cavity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0WWQ01Z	Revision of Radioactive Element in Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
0WWQ03Z	Revision of Infusion Device in Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
0WWQ0YZ	Revision of Other Device in Respiratory Tract, Open Approach	Procedure	ICD-10-PCS
0X600ZZ	Detachment at Right Forequarter, Open Approach	Procedure	ICD-10-PCS
0X610ZZ	Detachment at Left Forequarter, Open Approach	Procedure	ICD-10-PCS
0X680Z1	Detachment at Right Upper Arm, High, Open Approach	Procedure	ICD-10-PCS
0X680Z2	Detachment at Right Upper Arm, Mid, Open Approach	Procedure	ICD-10-PCS
0X680Z3	Detachment at Right Upper Arm, Low, Open Approach	Procedure	ICD-10-PCS
0X690Z1	Detachment at Left Upper Arm, High, Open Approach	Procedure	ICD-10-PCS
0X690Z2	Detachment at Left Upper Arm, Mid, Open Approach	Procedure	ICD-10-PCS
0X690Z3	Detachment at Left Upper Arm, Low, Open Approach	Procedure	ICD-10-PCS
0X6D0Z1	Detachment at Right Lower Arm, High, Open Approach	Procedure	ICD-10-PCS
0X6D0Z2	Detachment at Right Lower Arm, Mid, Open Approach	Procedure	ICD-10-PCS
0X6D0Z3	Detachment at Right Lower Arm, Low, Open Approach	Procedure	ICD-10-PCS
0X6F0Z1	Detachment at Left Lower Arm, High, Open Approach	Procedure	ICD-10-PCS
0X6F0Z2	Detachment at Left Lower Arm, Mid, Open Approach	Procedure	ICD-10-PCS
0X6F0Z3	Detachment at Left Lower Arm, Low, Open Approach	Procedure	ICD-10-PCS
0X6J0Z4	Detachment at Right Hand, Complete 1st Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0Z5	Detachment at Right Hand, Complete 2nd Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0Z6	Detachment at Right Hand, Complete 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0Z7	Detachment at Right Hand, Complete 4th Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0Z8	Detachment at Right Hand, Complete 5th Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0Z9	Detachment at Right Hand, Partial 1st Ray, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0X6J0ZB	Detachment at Right Hand, Partial 2nd Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0ZC	Detachment at Right Hand, Partial 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0ZD	Detachment at Right Hand, Partial 4th Ray, Open Approach	Procedure	ICD-10-PCS
0X6J0ZF	Detachment at Right Hand, Partial 5th Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0Z4	Detachment at Left Hand, Complete 1st Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0Z5	Detachment at Left Hand, Complete 2nd Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0Z6	Detachment at Left Hand, Complete 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0Z7	Detachment at Left Hand, Complete 4th Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0Z8	Detachment at Left Hand, Complete 5th Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0Z9	Detachment at Left Hand, Partial 1st Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0ZB	Detachment at Left Hand, Partial 2nd Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0ZC	Detachment at Left Hand, Partial 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0ZD	Detachment at Left Hand, Partial 4th Ray, Open Approach	Procedure	ICD-10-PCS
0X6K0ZF	Detachment at Left Hand, Partial 5th Ray, Open Approach	Procedure	ICD-10-PCS
0X6L0Z0	Detachment at Right Thumb, Complete, Open Approach	Procedure	ICD-10-PCS
0X6L0Z1	Detachment at Right Thumb, High, Open Approach	Procedure	ICD-10-PCS
0X6L0Z2	Detachment at Right Thumb, Mid, Open Approach	Procedure	ICD-10-PCS
0X6L0Z3	Detachment at Right Thumb, Low, Open Approach	Procedure	ICD-10-PCS
0X6M0Z0	Detachment at Left Thumb, Complete, Open Approach	Procedure	ICD-10-PCS
0X6M0Z1	Detachment at Left Thumb, High, Open Approach	Procedure	ICD-10-PCS
0X6M0Z2	Detachment at Left Thumb, Mid, Open Approach	Procedure	ICD-10-PCS
0X6M0Z3	Detachment at Left Thumb, Low, Open Approach	Procedure	ICD-10-PCS
0X6N0Z0	Detachment at Right Index Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6N0Z1	Detachment at Right Index Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6N0Z2	Detachment at Right Index Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6N0Z3	Detachment at Right Index Finger, Low, Open Approach	Procedure	ICD-10-PCS
0X6P0Z0	Detachment at Left Index Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6P0Z1	Detachment at Left Index Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6P0Z2	Detachment at Left Index Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6P0Z3	Detachment at Left Index Finger, Low, Open Approach	Procedure	ICD-10-PCS
0X6Q0Z0	Detachment at Right Middle Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6Q0Z1	Detachment at Right Middle Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6Q0Z2	Detachment at Right Middle Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6Q0Z3	Detachment at Right Middle Finger, Low, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0X6R0Z0	Detachment at Left Middle Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6R0Z1	Detachment at Left Middle Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6R0Z2	Detachment at Left Middle Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6R0Z3	Detachment at Left Middle Finger, Low, Open Approach	Procedure	ICD-10-PCS
0X6S0Z0	Detachment at Right Ring Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6S0Z1	Detachment at Right Ring Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6S0Z2	Detachment at Right Ring Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6S0Z3	Detachment at Right Ring Finger, Low, Open Approach	Procedure	ICD-10-PCS
0X6T0Z0	Detachment at Left Ring Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6T0Z1	Detachment at Left Ring Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6T0Z2	Detachment at Left Ring Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6T0Z3	Detachment at Left Ring Finger, Low, Open Approach	Procedure	ICD-10-PCS
0X6V0Z0	Detachment at Right Little Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6V0Z1	Detachment at Right Little Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6V0Z2	Detachment at Right Little Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6V0Z3	Detachment at Right Little Finger, Low, Open Approach	Procedure	ICD-10-PCS
0X6W0Z0	Detachment at Left Little Finger, Complete, Open Approach	Procedure	ICD-10-PCS
0X6W0Z1	Detachment at Left Little Finger, High, Open Approach	Procedure	ICD-10-PCS
0X6W0Z2	Detachment at Left Little Finger, Mid, Open Approach	Procedure	ICD-10-PCS
0X6W0Z3	Detachment at Left Little Finger, Low, Open Approach	Procedure	ICD-10-PCS
0XB20ZZ	Excision of Right Shoulder Region, Open Approach	Procedure	ICD-10-PCS
0XB23ZZ	Excision of Right Shoulder Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XB24ZZ	Excision of Right Shoulder Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XB30ZZ	Excision of Left Shoulder Region, Open Approach	Procedure	ICD-10-PCS
0XB33ZZ	Excision of Left Shoulder Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XB34ZZ	Excision of Left Shoulder Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XB40ZZ	Excision of Right Axilla, Open Approach	Procedure	ICD-10-PCS
0XB43ZZ	Excision of Right Axilla, Percutaneous Approach	Procedure	ICD-10-PCS
0XB44ZZ	Excision of Right Axilla, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XB50ZZ	Excision of Left Axilla, Open Approach	Procedure	ICD-10-PCS
0XB53ZZ	Excision of Left Axilla, Percutaneous Approach	Procedure	ICD-10-PCS
0XB54ZZ	Excision of Left Axilla, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XB60ZZ	Excision of Right Upper Extremity, Open Approach	Procedure	ICD-10-PCS
0XB63ZZ	Excision of Right Upper Extremity, Percutaneous Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0XB64ZZ	Excision of Right Upper Extremity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XB70ZZ	Excision of Left Upper Extremity, Open Approach	Procedure	ICD-10-PCS
0XB73ZZ	Excision of Left Upper Extremity, Percutaneous Approach	Procedure	ICD-10-PCS
0XB74ZZ	Excision of Left Upper Extremity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XB80ZZ	Excision of Right Upper Arm, Open Approach	Procedure	ICD-10-PCS
0XB83ZZ	Excision of Right Upper Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XB84ZZ	Excision of Right Upper Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XB90ZZ	Excision of Left Upper Arm, Open Approach	Procedure	ICD-10-PCS
0XB93ZZ	Excision of Left Upper Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XB94ZZ	Excision of Left Upper Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBB0ZZ	Excision of Right Elbow Region, Open Approach	Procedure	ICD-10-PCS
0XBB3ZZ	Excision of Right Elbow Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XBB4ZZ	Excision of Right Elbow Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBC0ZZ	Excision of Left Elbow Region, Open Approach	Procedure	ICD-10-PCS
0XBC3ZZ	Excision of Left Elbow Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XBC4ZZ	Excision of Left Elbow Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBD0ZZ	Excision of Right Lower Arm, Open Approach	Procedure	ICD-10-PCS
0XBD3ZZ	Excision of Right Lower Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XBD4ZZ	Excision of Right Lower Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBF0ZZ	Excision of Left Lower Arm, Open Approach	Procedure	ICD-10-PCS
0XBF3ZZ	Excision of Left Lower Arm, Percutaneous Approach	Procedure	ICD-10-PCS
0XBF4ZZ	Excision of Left Lower Arm, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBG0ZZ	Excision of Right Wrist Region, Open Approach	Procedure	ICD-10-PCS
0XBG3ZZ	Excision of Right Wrist Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XBG4ZZ	Excision of Right Wrist Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBH0ZZ	Excision of Left Wrist Region, Open Approach	Procedure	ICD-10-PCS
0XBH3ZZ	Excision of Left Wrist Region, Percutaneous Approach	Procedure	ICD-10-PCS
0XBH4ZZ	Excision of Left Wrist Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBJ0ZZ	Excision of Right Hand, Open Approach	Procedure	ICD-10-PCS
0XBJ3ZZ	Excision of Right Hand, Percutaneous Approach	Procedure	ICD-10-PCS
0XBJ4ZZ	Excision of Right Hand, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0XBK0ZZ	Excision of Left Hand, Open Approach	Procedure	ICD-10-PCS
0XBK3ZZ	Excision of Left Hand, Percutaneous Approach	Procedure	ICD-10-PCS
0XBK4ZZ	Excision of Left Hand, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0Y620ZZ	Detachment at Right Hindquarter, Open Approach	Procedure	ICD-10-PCS
0Y630ZZ	Detachment at Left Hindquarter, Open Approach	Procedure	ICD-10-PCS
0Y640ZZ	Detachment at Bilateral Hindquarter, Open Approach	Procedure	ICD-10-PCS
0Y6C0Z1	Detachment at Right Upper Leg, High, Open Approach	Procedure	ICD-10-PCS
0Y6C0Z2	Detachment at Right Upper Leg, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6C0Z3	Detachment at Right Upper Leg, Low, Open Approach	Procedure	ICD-10-PCS
0Y6D0Z1	Detachment at Left Upper Leg, High, Open Approach	Procedure	ICD-10-PCS
0Y6D0Z2	Detachment at Left Upper Leg, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6D0Z3	Detachment at Left Upper Leg, Low, Open Approach	Procedure	ICD-10-PCS
0Y6H0Z1	Detachment at Right Lower Leg, High, Open Approach	Procedure	ICD-10-PCS
0Y6H0Z2	Detachment at Right Lower Leg, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6H0Z3	Detachment at Right Lower Leg, Low, Open Approach	Procedure	ICD-10-PCS
0Y6J0Z1	Detachment at Left Lower Leg, High, Open Approach	Procedure	ICD-10-PCS
0Y6J0Z2	Detachment at Left Lower Leg, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6J0Z3	Detachment at Left Lower Leg, Low, Open Approach	Procedure	ICD-10-PCS
0Y6M0Z0	Detachment at Right Foot, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6M0Z4	Detachment at Right Foot, Complete 1st Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0Z5	Detachment at Right Foot, Complete 2nd Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0Z6	Detachment at Right Foot, Complete 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0Z7	Detachment at Right Foot, Complete 4th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0Z8	Detachment at Right Foot, Complete 5th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0Z9	Detachment at Right Foot, Partial 1st Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0ZB	Detachment at Right Foot, Partial 2nd Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0ZC	Detachment at Right Foot, Partial 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0ZD	Detachment at Right Foot, Partial 4th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6M0ZF	Detachment at Right Foot, Partial 5th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0Z0	Detachment at Left Foot, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6N0Z4	Detachment at Left Foot, Complete 1st Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0Z5	Detachment at Left Foot, Complete 2nd Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0Z6	Detachment at Left Foot, Complete 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0Z7	Detachment at Left Foot, Complete 4th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0Z8	Detachment at Left Foot, Complete 5th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0Z9	Detachment at Left Foot, Partial 1st Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0ZB	Detachment at Left Foot, Partial 2nd Ray, Open Approach	Procedure	ICD-10-PCS



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0Y6N0ZC	Detachment at Left Foot, Partial 3rd Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0ZD	Detachment at Left Foot, Partial 4th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6N0ZF	Detachment at Left Foot, Partial 5th Ray, Open Approach	Procedure	ICD-10-PCS
0Y6P0Z0	Detachment at Right 1st Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6P0Z1	Detachment at Right 1st Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6P0Z2	Detachment at Right 1st Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6P0Z3	Detachment at Right 1st Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6Q0Z0	Detachment at Left 1st Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6Q0Z1	Detachment at Left 1st Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6Q0Z2	Detachment at Left 1st Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6Q0Z3	Detachment at Left 1st Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6R0Z0	Detachment at Right 2nd Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6R0Z1	Detachment at Right 2nd Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6R0Z2	Detachment at Right 2nd Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6R0Z3	Detachment at Right 2nd Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6S0Z0	Detachment at Left 2nd Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6S0Z1	Detachment at Left 2nd Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6S0Z2	Detachment at Left 2nd Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6S0Z3	Detachment at Left 2nd Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6T0Z0	Detachment at Right 3rd Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6T0Z1	Detachment at Right 3rd Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6T0Z2	Detachment at Right 3rd Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6T0Z3	Detachment at Right 3rd Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6U0Z0	Detachment at Left 3rd Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6U0Z1	Detachment at Left 3rd Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6U0Z2	Detachment at Left 3rd Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6U0Z3	Detachment at Left 3rd Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6V0Z0	Detachment at Right 4th Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6V0Z1	Detachment at Right 4th Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6V0Z2	Detachment at Right 4th Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6V0Z3	Detachment at Right 4th Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6W0Z0	Detachment at Left 4th Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6W0Z1	Detachment at Left 4th Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6W0Z2	Detachment at Left 4th Toe, Mid, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0Y6W0Z3	Detachment at Left 4th Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6X0Z0	Detachment at Right 5th Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6X0Z1	Detachment at Right 5th Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6X0Z2	Detachment at Right 5th Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6X0Z3	Detachment at Right 5th Toe, Low, Open Approach	Procedure	ICD-10-PCS
0Y6Y0Z0	Detachment at Left 5th Toe, Complete, Open Approach	Procedure	ICD-10-PCS
0Y6Y0Z1	Detachment at Left 5th Toe, High, Open Approach	Procedure	ICD-10-PCS
0Y6Y0Z2	Detachment at Left 5th Toe, Mid, Open Approach	Procedure	ICD-10-PCS
0Y6Y0Z3	Detachment at Left 5th Toe, Low, Open Approach	Procedure	ICD-10-PCS
0YB00ZZ	Excision of Right Buttock, Open Approach	Procedure	ICD-10-PCS
0YB03ZZ	Excision of Right Buttock, Percutaneous Approach	Procedure	ICD-10-PCS
0YB04ZZ	Excision of Right Buttock, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YB10ZZ	Excision of Left Buttock, Open Approach	Procedure	ICD-10-PCS
0YB13ZZ	Excision of Left Buttock, Percutaneous Approach	Procedure	ICD-10-PCS
0YB14ZZ	Excision of Left Buttock, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YB90ZZ	Excision of Right Lower Extremity, Open Approach	Procedure	ICD-10-PCS
0YB93ZZ	Excision of Right Lower Extremity, Percutaneous Approach	Procedure	ICD-10-PCS
0YB94ZZ	Excision of Right Lower Extremity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBB0ZZ	Excision of Left Lower Extremity, Open Approach	Procedure	ICD-10-PCS
0YBB3ZZ	Excision of Left Lower Extremity, Percutaneous Approach	Procedure	ICD-10-PCS
0YBB4ZZ	Excision of Left Lower Extremity, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBC0ZZ	Excision of Right Upper Leg, Open Approach	Procedure	ICD-10-PCS
0YBC3ZZ	Excision of Right Upper Leg, Percutaneous Approach	Procedure	ICD-10-PCS
0YBC4ZZ	Excision of Right Upper Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBD0ZZ	Excision of Left Upper Leg, Open Approach	Procedure	ICD-10-PCS
0YBD3ZZ	Excision of Left Upper Leg, Percutaneous Approach	Procedure	ICD-10-PCS
0YBD4ZZ	Excision of Left Upper Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBF0ZZ	Excision of Right Knee Region, Open Approach	Procedure	ICD-10-PCS
0YBF3ZZ	Excision of Right Knee Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YBF4ZZ	Excision of Right Knee Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBG0ZZ	Excision of Left Knee Region, Open Approach	Procedure	ICD-10-PCS
0YBG3ZZ	Excision of Left Knee Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YBG4ZZ	Excision of Left Knee Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBH0ZZ	Excision of Right Lower Leg, Open Approach	Procedure	ICD-10-PCS

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
0YBH3ZZ	Excision of Right Lower Leg, Percutaneous Approach	Procedure	ICD-10-PCS
0YBH4ZZ	Excision of Right Lower Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBJ0ZZ	Excision of Left Lower Leg, Open Approach	Procedure	ICD-10-PCS
0YBJ3ZZ	Excision of Left Lower Leg, Percutaneous Approach	Procedure	ICD-10-PCS
0YBJ4ZZ	Excision of Left Lower Leg, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBK0ZZ	Excision of Right Ankle Region, Open Approach	Procedure	ICD-10-PCS
0YBK3ZZ	Excision of Right Ankle Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YBK4ZZ	Excision of Right Ankle Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBL0ZZ	Excision of Left Ankle Region, Open Approach	Procedure	ICD-10-PCS
0YBL3ZZ	Excision of Left Ankle Region, Percutaneous Approach	Procedure	ICD-10-PCS
0YBL4ZZ	Excision of Left Ankle Region, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBM0ZZ	Excision of Right Foot, Open Approach	Procedure	ICD-10-PCS
0YBM3ZZ	Excision of Right Foot, Percutaneous Approach	Procedure	ICD-10-PCS
0YBM4ZZ	Excision of Right Foot, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
0YBN0ZZ	Excision of Left Foot, Open Approach	Procedure	ICD-10-PCS
0YBN3ZZ	Excision of Left Foot, Percutaneous Approach	Procedure	ICD-10-PCS
0YBN4ZZ	Excision of Left Foot, Percutaneous Endoscopic Approach	Procedure	ICD-10-PCS
11600	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.5 cm or less	Procedure	CPT-4
11601	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 0.6 to 1.0 cm	Procedure	CPT-4
11602	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 1.1 to 2.0 cm	Procedure	CPT-4
11603	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 2.1 to 3.0 cm	Procedure	CPT-4
11604	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter 3.1 to 4.0 cm	Procedure	CPT-4
11606	Excision, malignant lesion including margins, trunk, arms, or legs; excised diameter over 4.0 cm	Procedure	CPT-4
11620	Excision, malignant lesion including margins, scalp, neck, hands, feet, genitalia; excised diameter 0.5 cm or less	Procedure	CPT-4
11621	Excision, malignant lesion including margins, scalp, neck, hands, feet, genitalia; excised diameter 0.6 to 1.0 cm	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
11622	Excision, malignant lesion including margins, scalp, neck, hands, feet, genitalia; excised diameter 1.1 to 2.0 cm	Procedure	CPT-4
11623	Excision, malignant lesion including margins, scalp, neck, hands, feet, genitalia; excised diameter 2.1 to 3.0 cm	Procedure	CPT-4
11624	Excision, malignant lesion including margins, scalp, neck, hands, feet, genitalia; excised diameter 3.1 to 4.0 cm	Procedure	CPT-4
11626	Excision, malignant lesion including margins, scalp, neck, hands, feet, genitalia; excised diameter over 4.0 cm	Procedure	CPT-4
11640	Excision, malignant lesion including margins, face, ears, eyelids, nose, lips; excised diameter 0.5 cm or less	Procedure	CPT-4
11641	Excision, malignant lesion including margins, face, ears, eyelids, nose, lips; excised diameter 0.6 to 1.0 cm	Procedure	CPT-4
11642	Excision, malignant lesion including margins, face, ears, eyelids, nose, lips; excised diameter 1.1 to 2.0 cm	Procedure	CPT-4
11643	Excision, malignant lesion including margins, face, ears, eyelids, nose, lips; excised diameter 2.1 to 3.0 cm	Procedure	CPT-4
11644	Excision, malignant lesion including margins, face, ears, eyelids, nose, lips; excised diameter 3.1 to 4.0 cm	Procedure	CPT-4
11646	Excision, malignant lesion including margins, face, ears, eyelids, nose, lips; excised diameter over 4.0 cm	Procedure	CPT-4
11730	Avulsion of nail plate, partial or complete, simple; single	Procedure	CPT-4
11750	Excision of nail and nail matrix, partial or complete (eg, ingrown or deformed nail), for permanent removal;	Procedure	CPT-4
17.3	Laparoscopic partial excision of large intestine	Procedure	ICD-9-CM
17.31	Laparoscopic multiple segmental resection of large intestine	Procedure	ICD-9-CM
17.32	Laparoscopic cecectomy	Procedure	ICD-9-CM
17.33	Laparoscopic right hemicolectomy	Procedure	ICD-9-CM
17.34	Laparoscopic resection of transverse colon	Procedure	ICD-9-CM
17.35	Laparoscopic left hemicolectomy	Procedure	ICD-9-CM
17.36	Laparoscopic sigmoidectomy	Procedure	ICD-9-CM
17.39	Other laparoscopic partial excision of large intestine	Procedure	ICD-9-CM
17260	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), trunk, arms or legs; lesion diameter 0.5 cm or less	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
17261	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), trunk, arms or legs; lesion diameter 0.6 to 1.0 cm	Procedure	CPT-4
17262	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), trunk, arms or legs; lesion diameter 1.1 to 2.0 cm	Procedure	CPT-4
17263	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), trunk, arms or legs; lesion diameter 2.1 to 3.0 cm	Procedure	CPT-4
17264	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), trunk, arms or legs; lesion diameter 3.1 to 4.0 cm	Procedure	CPT-4
17266	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), trunk, arms or legs; lesion diameter over 4.0 cm	Procedure	CPT-4
17270	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), scalp, neck, hands, feet, genitalia; lesion diameter 0.5 cm or less	Procedure	CPT-4
17271	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), scalp, neck, hands, feet, genitalia; lesion diameter 0.6 to 1.0 cm	Procedure	CPT-4
17272	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), scalp, neck, hands, feet, genitalia; lesion diameter 1.1 to 2.0 cm	Procedure	CPT-4
17273	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), scalp, neck, hands, feet, genitalia; lesion diameter 2.1 to 3.0 cm	Procedure	CPT-4
17274	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), scalp, neck, hands, feet, genitalia; lesion diameter 3.1 to 4.0 cm	Procedure	CPT-4
17276	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), scalp, neck, hands, feet, genitalia; lesion diameter over 4.0 cm	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
17280	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), face, ears, eyelids, nose, lips, mucous membrane; lesion diameter 0.5 cm or less	Procedure	CPT-4
17281	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), face, ears, eyelids, nose, lips, mucous membrane; lesion diameter 0.6 to 1.0 cm	Procedure	CPT-4
17282	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), face, ears, eyelids, nose, lips, mucous membrane; lesion diameter 1.1 to 2.0 cm	Procedure	CPT-4
17283	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), face, ears, eyelids, nose, lips, mucous membrane; lesion diameter 2.1 to 3.0 cm	Procedure	CPT-4
17284	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), face, ears, eyelids, nose, lips, mucous membrane; lesion diameter 3.1 to 4.0 cm	Procedure	CPT-4
17286	Destruction, malignant lesion (eg, laser surgery, electrosurgery, cryosurgery, chemosurgery, surgical curettement), face, ears, eyelids, nose, lips, mucous membrane; lesion diameter over 4.0 cm	Procedure	CPT-4
17303	Chemosurgery (Mohs' Micrographic Technique), First Stage, Fixed Tissue Technique, Including Removal Of All Gross Tumor And Application Of Fixative	Procedure	CPT-4
17304	Chemosurgery (Mohs micrographic technique), including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and complete histopathologic preparation including the first routine stain (eg, hematoxylin and eosin, toluidine blue); first stage, fresh tissue technique, up to 5 specimens	Procedure	CPT-4
17305	Chemosurgery (Mohs micrographic technique), including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and complete histopathologic preparation including the first routine stain (eg, hematoxylin and eosin, toluidine blue); second stage, fixed or fresh tissue, up to 5 specimens	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
17306	Chemosurgery (Mohs micrographic technique), including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and complete histopathologic preparation including the first routine stain (eg, hematoxylin and eosin, toluidine blue); third stage, fixed or fresh tissue, up to 5 specimens	Procedure	CPT-4
17307	Chemosurgery (Mohs micrographic technique), including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and complete histopathologic preparation including the first routine stain (eg, hematoxylin and eosin, toluidine blue); additional stage(s), up to 5 specimens, each stage	Procedure	CPT-4
17310	Chemosurgery (Mohs micrographic technique), including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and complete histopathologic preparation including the first routine stain (eg, hematoxylin and eosin, toluidine blue); each additional specimen, after the first 5 specimens, fixed or fresh tissue, any stage (List separately in addition to code for primary procedure)	Procedure	CPT-4
17311	Mohs micrographic technique, including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and histopathologic preparation including routine stain(s) (eg, hematoxylin and eosin, toluidine blue), head, neck, hands, feet, genitalia, or any location with surgery directly involving muscle, cartilage, bone, tendon, major nerves, or vessels; first stage, up to 5 tissue blocks	Procedure	CPT-4
17312	Mohs micrographic technique, including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and histopathologic preparation including routine stain(s) (eg, hematoxylin and eosin, toluidine blue), head, neck, hands, feet, genitalia, or any location with surgery directly involving muscle, cartilage, bone, tendon, major nerves, or vessels; each additional stage after the first stage, up to 5 tissue blocks (List separately in addition to code for primary procedure)	Procedure	CPT-4



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
17313	Mohs micrographic technique, including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and histopathologic preparation including routine stain(s) (eg, hematoxylin and eosin, toluidine blue), of the trunk, arms, or legs; first stage, up to 5 tissue blocks	Procedure	CPT-4
17314	Mohs micrographic technique, including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and histopathologic preparation including routine stain(s) (eg, hematoxylin and eosin, toluidine blue), of the trunk, arms, or legs; each additional stage after the first stage, up to 5 tissue blocks (List separately in addition to code for primary procedure)	Procedure	CPT-4
17315	Mohs micrographic technique, including removal of all gross tumor, surgical excision of tissue specimens, mapping, color coding of specimens, microscopic examination of specimens by the surgeon, and histopathologic preparation including routine stain(s) (eg, hematoxylin and eosin, toluidine blue), each additional block after the first 5 tissue blocks, any stage (List separately in addition to code for primary procedure)	Procedure	CPT-4
18.29	Excision or destruction of other lesion of external ear	Procedure	ICD-9-CM
19125	Excision of breast lesion identified by preoperative placement of radiological marker, open; single lesion	Procedure	CPT-4
19160	Mastectomy, partial (eg, lumpectomy, tylectomy, quadrantectomy, segmentectomy);	Procedure	CPT-4
19162	Mastectomy, partial (eg, lumpectomy, tylectomy, quadrantectomy, segmentectomy); with axillary lymphadenectomy	Procedure	CPT-4
19180	Mastectomy, simple, complete	Procedure	CPT-4
19182	Mastectomy, subcutaneous	Procedure	CPT-4
19200	Mastectomy, radical, including pectoral muscles, axillary lymph nodes	Procedure	CPT-4
19220	Mastectomy, radical, including pectoral muscles, axillary and internal mammary lymph nodes (Urban type operation)	Procedure	CPT-4
19240	Mastectomy, modified radical, including axillary lymph nodes, with or without pectoralis minor muscle, but excluding pectoralis major muscle	Procedure	CPT-4
19260	Excision of chest wall tumor including ribs	Procedure	CPT-4
19271	Excision of chest wall tumor involving ribs, with plastic reconstruction; without mediastinal lymphadenectomy	Procedure	CPT-4



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Code	Description	Code Category	Code Type
19272	Excision of chest wall tumor involving ribs, with plastic reconstruction; with mediastinal lymphadenectomy	Procedure	CPT-4
19294	Preparation of tumor cavity, with placement of a radiation therapy applicator for intraoperative radiation therapy (IORT) concurrent with partial mastectomy (List separately in addition to code for primary procedure)	Procedure	CPT-4
19301	Mastectomy, partial (eg, lumpectomy, tylectomy, quadrantectomy, segmentectomy);	Procedure	CPT-4
19302	Mastectomy, partial (eg, lumpectomy, tylectomy, quadrantectomy, segmentectomy); with axillary lymphadenectomy	Procedure	CPT-4
19303	Mastectomy, simple, complete	Procedure	CPT-4
19304	Mastectomy, subcutaneous	Procedure	CPT-4
19305	Mastectomy, radical, including pectoral muscles, axillary lymph nodes	Procedure	CPT-4
19306	Mastectomy, radical, including pectoral muscles, axillary and internal mammary lymph nodes (Urban type operation)	Procedure	CPT-4
19307	Mastectomy, modified radical, including axillary lymph nodes, with or without pectoralis minor muscle, but excluding pectoralis major muscle	Procedure	CPT-4
20982	Ablation therapy for reduction or eradication of 1 or more bone tumors (eg, metastasis) including adjacent soft tissue when involved by tumor extension, percutaneous, including imaging guidance when performed; radiofrequency	Procedure	CPT-4
20983	Ablation therapy for reduction or eradication of 1 or more bone tumors (eg, metastasis) including adjacent soft tissue when involved by tumor extension, percutaneous, including imaging guidance when performed; cryoablation	Procedure	CPT-4
21.30	Excision or destruction of lesion of nose, not otherwise specified	Procedure	ICD-9-CM
21.32	Local excision or destruction of other lesion of nose	Procedure	ICD-9-CM
21011	Excision, tumor, soft tissue of face or scalp, subcutaneous; less than 2 cm	Procedure	CPT-4
21012	Excision, tumor, soft tissue of face or scalp, subcutaneous; 2 cm or greater	Procedure	CPT-4
21013	Excision, tumor, soft tissue of face and scalp, subfascial (eg, subgaleal, intramuscular); less than 2 cm	Procedure	CPT-4
21014	Excision, tumor, soft tissue of face and scalp, subfascial (eg, subgaleal, intramuscular); 2 cm or greater	Procedure	CPT-4
21015	Radical resection of tumor (eg, sarcoma), soft tissue of face or scalp; less than 2 cm	Procedure	CPT-4
21016	Radical resection of tumor (eg, sarcoma), soft tissue of face or scalp; 2 cm or greater	Procedure	CPT-4
21034	Excision of malignant tumor of maxilla or zygoma	Procedure	CPT-4
21044	Excision of malignant tumor of mandible;	Procedure	CPT-4
21045	Excision of malignant tumor of mandible; radical resection	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
21552	Excision, tumor, soft tissue of neck or anterior thorax, subcutaneous; 3 cm or greater	Procedure	CPT-4
21554	Excision, tumor, soft tissue of neck or anterior thorax, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
21555	Excision, tumor, soft tissue of neck or anterior thorax, subcutaneous; less than 3 cm	Procedure	CPT-4
21556	Excision, tumor, soft tissue of neck or anterior thorax, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
21557	Radical resection of tumor (eg, sarcoma), soft tissue of neck or anterior thorax; less than 5 cm	Procedure	CPT-4
21558	Radical resection of tumor (eg, sarcoma), soft tissue of neck or anterior thorax; 5 cm or greater	Procedure	CPT-4
21601	Excision of chest wall tumor including rib(s)	Procedure	CPT-4
21602	Excision of chest wall tumor involving rib(s), with plastic reconstruction; without mediastinal lymphadenectomy	Procedure	CPT-4
21603	Excision of chest wall tumor involving rib(s), with plastic reconstruction; with mediastinal lymphadenectomy	Procedure	CPT-4
21930	Excision, tumor, soft tissue of back or flank, subcutaneous; less than 3 cm	Procedure	CPT-4
21931	Excision, tumor, soft tissue of back or flank, subcutaneous; 3 cm or greater	Procedure	CPT-4
21932	Excision, tumor, soft tissue of back or flank, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
21933	Excision, tumor, soft tissue of back or flank, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
21935	Radical resection of tumor (eg, sarcoma), soft tissue of back or flank; less than 5 cm	Procedure	CPT-4
21936	Radical resection of tumor (eg, sarcoma), soft tissue of back or flank; 5 cm or greater	Procedure	CPT-4
22105	PART RESECT VERTEBRAL COMPONENT TUMOR; CERV	Procedure	CPT-4
22106	PART RESECT VERTEBRAL COMPONENT TUMOR; THORACIC	Procedure	CPT-4
22107	PART RESECT VERTEBRAL COMPONENT TUMOR; LUMBAR	Procedure	CPT-4
22900	Excision, tumor, soft tissue of abdominal wall, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
22901	Excision, tumor, soft tissue of abdominal wall, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
22902	Excision, tumor, soft tissue of abdominal wall, subcutaneous; less than 3 cm	Procedure	CPT-4
22903	Excision, tumor, soft tissue of abdominal wall, subcutaneous; 3 cm or greater	Procedure	CPT-4
22904	Radical resection of tumor (eg, sarcoma), soft tissue of abdominal wall; less than 5 cm	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
22905	Radical resection of tumor (eg, sarcoma), soft tissue of abdominal wall; 5 cm or greater	Procedure	CPT-4
23071	Excision, tumor, soft tissue of shoulder area, subcutaneous; 3 cm or greater	Procedure	CPT-4
23073	Excision, tumor, soft tissue of shoulder area, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
23075	Excision, tumor, soft tissue of shoulder area, subcutaneous; less than 3 cm	Procedure	CPT-4
23076	Excision, tumor, soft tissue of shoulder area, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
23077	Radical resection of tumor (eg, sarcoma), soft tissue of shoulder area; less than 5 cm	Procedure	CPT-4
23078	Radical resection of tumor (eg, sarcoma), soft tissue of shoulder area; 5 cm or greater	Procedure	CPT-4
23200	Radical resection of tumor; clavicle	Procedure	CPT-4
23210	Radical resection of tumor; scapula	Procedure	CPT-4
23220	Radical resection of tumor, proximal humerus	Procedure	CPT-4
23221	Radical resection of bone tumor, proximal humerus; with autograft (includes obtaining graft)	Procedure	CPT-4
23222	Radical resection of bone tumor, proximal humerus; with prosthetic replacement	Procedure	CPT-4
24.4	Excision of dental lesion of jaw	Procedure	ICD-9-CM
24071	Excision, tumor, soft tissue of upper arm or elbow area, subcutaneous; 3 cm or greater	Procedure	CPT-4
24073	Excision, tumor, soft tissue of upper arm or elbow area, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
24075	Excision, tumor, soft tissue of upper arm or elbow area, subcutaneous; less than 3 cm	Procedure	CPT-4
24076	Excision, tumor, soft tissue of upper arm or elbow area, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
24077	Radical resection of tumor (eg, sarcoma), soft tissue of upper arm or elbow area; less than 5 cm	Procedure	CPT-4
24079	Radical resection of tumor (eg, sarcoma), soft tissue of upper arm or elbow area; 5 cm or greater	Procedure	CPT-4
24150	Radical resection of tumor, shaft or distal humerus	Procedure	CPT-4
24151	Radical resection for tumor, shaft or distal humerus; with autograft (includes obtaining graft)	Procedure	CPT-4
24152	Radical resection of tumor, radial head or neck	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
24153	Radical resection for tumor, radial head or neck; with autograft (includes obtaining graft)	Procedure	CPT-4
25071	Excision, tumor, soft tissue of forearm and/or wrist area, subcutaneous; 3 cm or greater	Procedure	CPT-4
25073	Excision, tumor, soft tissue of forearm and/or wrist area, subfascial (eg, intramuscular); 3 cm or greater	Procedure	CPT-4
25075	Excision, tumor, soft tissue of forearm and/or wrist area, subcutaneous; less than 3 cm	Procedure	CPT-4
25076	Excision, tumor, soft tissue of forearm and/or wrist area, subfascial (eg, intramuscular); less than 3 cm	Procedure	CPT-4
25077	Radical resection of tumor (eg, sarcoma), soft tissue of forearm and/or wrist area; less than 3 cm	Procedure	CPT-4
25078	Radical resection of tumor (eg, sarcoma), soft tissue of forearm and/or wrist area; 3 cm or greater	Procedure	CPT-4
25170	Radical resection of tumor, radius or ulna	Procedure	CPT-4
26111	Excision, tumor or vascular malformation, soft tissue of hand or finger, subcutaneous; 1.5 cm or greater	Procedure	CPT-4
26113	Excision, tumor, soft tissue, or vascular malformation, of hand or finger, subfascial (eg, intramuscular); 1.5 cm or greater	Procedure	CPT-4
26115	Excision, tumor or vascular malformation, soft tissue of hand or finger, subcutaneous; less than 1.5 cm	Procedure	CPT-4
26116	Excision, tumor, soft tissue, or vascular malformation, of hand or finger, subfascial (eg, intramuscular); less than 1.5 cm	Procedure	CPT-4
26117	Radical resection of tumor (eg, sarcoma), soft tissue of hand or finger; less than 3 cm	Procedure	CPT-4
26118	Radical resection of tumor (eg, sarcoma), soft tissue of hand or finger; 3 cm or greater	Procedure	CPT-4
26250	Radical resection of tumor, metacarpal	Procedure	CPT-4
26255	Radical resection, metacarpal (eg, tumor); with autograft (includes obtaining graft)	Procedure	CPT-4
26260	Radical resection of tumor, proximal or middle phalanx of finger	Procedure	CPT-4
26261	Radical resection, proximal or middle phalanx of finger (eg, tumor); with autograft (includes obtaining graft)	Procedure	CPT-4
26262	Radical resection of tumor, distal phalanx of finger	Procedure	CPT-4
27.42	Wide excision of lesion of lip	Procedure	ICD-9-CM
27.43	Other excision of lesion or tissue of lip	Procedure	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
27043	Excision, tumor, soft tissue of pelvis and hip area, subcutaneous; 3 cm or greater	Procedure	CPT-4
27045	Excision, tumor, soft tissue of pelvis and hip area, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
27047	Excision, tumor, soft tissue of pelvis and hip area, subcutaneous; less than 3 cm	Procedure	CPT-4
27048	Excision, tumor, soft tissue of pelvis and hip area, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
27049	Radical resection of tumor (eg, sarcoma), soft tissue of pelvis and hip area; less than 5 cm	Procedure	CPT-4
27059	Radical resection of tumor (eg, sarcoma), soft tissue of pelvis and hip area; 5 cm or greater	Procedure	CPT-4
27075	Radical resection of tumor; wing of ilium, 1 pubic or ischial ramus or symphysis pubis	Procedure	CPT-4
27076	Radical resection of tumor; ilium, including acetabulum, both pubic rami, or ischium and acetabulum	Procedure	CPT-4
27077	Radical resection of tumor; innominate bone, total	Procedure	CPT-4
27078	Radical resection of tumor; ischial tuberosity and greater trochanter of femur	Procedure	CPT-4
27079	Radical resection of tumor or infection; ischial tuberosity and greater trochanter of femur, with skin flaps	Procedure	CPT-4
27327	Excision, tumor, soft tissue of thigh or knee area, subcutaneous; less than 3 cm	Procedure	CPT-4
27328	Excision, tumor, soft tissue of thigh or knee area, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
27329	Radical resection of tumor (eg, sarcoma), soft tissue of thigh or knee area; less than 5 cm	Procedure	CPT-4
27337	Excision, tumor, soft tissue of thigh or knee area, subcutaneous; 3 cm or greater	Procedure	CPT-4
27339	Excision, tumor, soft tissue of thigh or knee area, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
27364	Radical resection of tumor (eg, sarcoma), soft tissue of thigh or knee area; 5 cm or greater	Procedure	CPT-4
27365	Radical resection of tumor, femur or knee	Procedure	CPT-4
27615	Radical resection of tumor (eg, sarcoma), soft tissue of leg or ankle area; less than 5 cm	Procedure	CPT-4
27616	Radical resection of tumor (eg, sarcoma), soft tissue of leg or ankle area; 5 cm or greater	Procedure	CPT-4
27618	Excision, tumor, soft tissue of leg or ankle area, subcutaneous; less than 3 cm	Procedure	CPT-4

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Code	Description	Code Category	Code Type
27619	Excision, tumor, soft tissue of leg or ankle area, subfascial (eg, intramuscular); less than 5 cm	Procedure	CPT-4
27632	Excision, tumor, soft tissue of leg or ankle area, subcutaneous; 3 cm or greater	Procedure	CPT-4
27634	Excision, tumor, soft tissue of leg or ankle area, subfascial (eg, intramuscular); 5 cm or greater	Procedure	CPT-4
27645	Radical resection of tumor; tibia	Procedure	CPT-4
27646	Radical resection of tumor; fibula	Procedure	CPT-4
27647	Radical resection of tumor; talus or calcaneus	Procedure	CPT-4
27880	Amputation, leg, through tibia and fibula;	Procedure	CPT-4
28039	Excision, tumor, soft tissue of foot or toe, subcutaneous; 1.5 cm or greater	Procedure	CPT-4
28041	Excision, tumor, soft tissue of foot or toe, subfascial (eg, intramuscular); 1.5 cm or greater	Procedure	CPT-4
28043	Excision, tumor, soft tissue of foot or toe, subcutaneous; less than 1.5 cm	Procedure	CPT-4
28045	Excision, tumor, soft tissue of foot or toe, subfascial (eg, intramuscular); less than 1.5 cm	Procedure	CPT-4
28046	Radical resection of tumor (eg, sarcoma), soft tissue of foot or toe; less than 3 cm	Procedure	CPT-4
28047	Radical resection of tumor (eg, sarcoma), soft tissue of foot or toe; 3 cm or greater	Procedure	CPT-4
28171	Radical resection of tumor; tarsal (except talus or calcaneus)	Procedure	CPT-4
28173	Radical resection of tumor; metatarsal	Procedure	CPT-4
28175	Radical resection of tumor; phalanx of toe	Procedure	CPT-4
28805	Amputation, foot; transmetatarsal	Procedure	CPT-4
28810	Amputation, metatarsal, with toe, single	Procedure	CPT-4
28820	Amputation, toe; metatarsophalangeal joint	Procedure	CPT-4
28825	Amputation, toe; interphalangeal joint	Procedure	CPT-4
31300	Laryngotomy (thyrotomy, laryngofissure), with removal of tumor or laryngocele, cordectomy	Procedure	CPT-4
31540	Laryngoscopy, direct, operative, with excision of tumor and/or stripping of vocal cords or epiglottis;	Procedure	CPT-4
31541	Laryngoscopy, direct, operative, with excision of tumor and/or stripping of vocal cords or epiglottis; with operating microscope or telescope	Procedure	CPT-4
31640	Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with excision of tumor	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
31641	Bronchoscopy, rigid or flexible, including fluoroscopic guidance, when performed; with destruction of tumor or relief of stenosis by any method other than excision (eg, laser therapy, cryotherapy)	Procedure	CPT-4
31785	Excision of tracheal tumor or carcinoma; cervical	Procedure	CPT-4
31786	Excision of tracheal tumor or carcinoma; thoracic	Procedure	CPT-4
32.20	Thoracoscopic excision of lesion or tissue of lung	Procedure	ICD-9-CM
32.29	Other local excision or destruction of lesion or tissue of lung	Procedure	ICD-9-CM
32.3	Segmental resection of lung	Procedure	ICD-9-CM
32.30	Thoracoscopic segmental resection of lung	Procedure	ICD-9-CM
32.39	Other and unspecified segmental resection of lung	Procedure	ICD-9-CM
32.4	Lobectomy of lung	Procedure	ICD-9-CM
32.41	Thoracoscopic lobectomy of lung	Procedure	ICD-9-CM
32.49	Other lobectomy of lung	Procedure	ICD-9-CM
32.5	Pneumonectomy	Procedure	ICD-9-CM
32.50	Thoracoscopic pneumonectomy	Procedure	ICD-9-CM
32.59	Other and unspecified pneumonectomy	Procedure	ICD-9-CM
32.6	Radical dissection of thoracic structures	Procedure	ICD-9-CM
32.9	Other excision of lung	Procedure	ICD-9-CM
32503	Resection of apical lung tumor (eg, Pancoast tumor), including chest wall resection, rib(s) resection(s), neurovascular dissection, when performed; without chest wall reconstruction(s)	Procedure	CPT-4
32504	Resection of apical lung tumor (eg, Pancoast tumor), including chest wall resection, rib(s) resection(s), neurovascular dissection, when performed; with chest wall reconstruction	Procedure	CPT-4
32994	Ablation therapy for reduction or eradication of 1 or more pulmonary tumor(s) including pleura or chest wall when involved by tumor extension, percutaneous, including imaging guidance when performed, unilateral; cryoablation	Procedure	CPT-4
32998	Ablation therapy for reduction or eradication of 1 or more pulmonary tumor(s) including pleura or chest wall when involved by tumor extension, percutaneous, including imaging guidance when performed, unilateral; radiofrequency	Procedure	CPT-4
33120	Excision of intracardiac tumor, resection with cardiopulmonary bypass	Procedure	CPT-4
33130	Resection of external cardiac tumor	Procedure	CPT-4
34.09	Other incision of pleura	Procedure	ICD-9-CM
34.5	Pleurectomy	Procedure	ICD-9-CM



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Code	Description	Code Category	Code Type
34.51	Decortication of lung	Procedure	ICD-9-CM
34.52	Thoracoscopic decortication of lung	Procedure	ICD-9-CM
34.59	Other excision of pleura	Procedure	ICD-9-CM
38211	Transplant preparation of hematopoietic progenitor cells; tumor cell depletion	Procedure	CPT-4
39220	Resection of mediastinal tumor	Procedure	CPT-4
42.4	Excision of esophagus	Procedure	ICD-9-CM
42.40	Esophagectomy, not otherwise specified	Procedure	ICD-9-CM
42.41	Partial esophagectomy	Procedure	ICD-9-CM
42.42	Total esophagectomy	Procedure	ICD-9-CM
42.51	Intrathoracic esophagoesophagostomy	Procedure	ICD-9-CM
42.52	Intrathoracic esophagogastrostomy	Procedure	ICD-9-CM
42.53	Intrathoracic esophageal anastomosis with interposition of small bowel	Procedure	ICD-9-CM
42.54	Other intrathoracic esophagoenterostomy	Procedure	ICD-9-CM
42.55	Intrathoracic esophageal anastomosis with interposition of colon	Procedure	ICD-9-CM
42.56	Other intrathoracic esophagocolostomy	Procedure	ICD-9-CM
42.58	Intrathoracic esophageal anastomosis with other interposition	Procedure	ICD-9-CM
42.59	Other intrathoracic anastomosis of esophagus	Procedure	ICD-9-CM
42.61	Antesternal esophagoesophagostomy	Procedure	ICD-9-CM
42.62	Antesternal esophagogastrostomy	Procedure	ICD-9-CM
42.63	Antesternal esophageal anastomosis with interposition of small bowel	Procedure	ICD-9-CM
42.64	Other antesternal esophagoenterostomy	Procedure	ICD-9-CM
42.65	Antesternal esophageal anastomosis with interposition of colon	Procedure	ICD-9-CM
42.66	Other antesternal esophagocolostomy	Procedure	ICD-9-CM
42.68	Other antesternal esophageal anastomosis with interposition	Procedure	ICD-9-CM
42.69	Other antesternal anastomosis of esophagus	Procedure	ICD-9-CM
43.42	Local excision of other lesion or tissue of stomach	Procedure	ICD-9-CM
43.5	Partial gastrectomy with anastomosis to esophagus	Procedure	ICD-9-CM
43.6	Partial gastrectomy with anastomosis to duodenum	Procedure	ICD-9-CM
43.7	Partial gastrectomy with anastomosis to jejunum	Procedure	ICD-9-CM
43.8	Other partial gastrectomy	Procedure	ICD-9-CM
43.81	Partial gastrectomy with jejunal transposition	Procedure	ICD-9-CM
43.82	Laparoscopic vertical (sleeve) gastrectomy	Procedure	ICD-9-CM
43.89	Open and other partial gastrectomy	Procedure	ICD-9-CM
43.9	Total gastrectomy	Procedure	ICD-9-CM



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Code	Description	Code Category	Code Type
43.91	Total gastrectomy with intestinal interposition	Procedure	ICD-9-CM
43.99	Other total gastrectomy	Procedure	ICD-9-CM
43611	Excision, local; malignant tumor of stomach	Procedure	CPT-4
45.7	Open and other partial excision of large intestine	Procedure	ICD-9-CM
45.71	Open and other multiple segmental resection of large intestine	Procedure	ICD-9-CM
45.72	Open and other cecectomy	Procedure	ICD-9-CM
45.73	Open and other right hemicolectomy	Procedure	ICD-9-CM
45.74	Open and other resection of transverse colon	Procedure	ICD-9-CM
45.75	Open and other left hemicolectomy	Procedure	ICD-9-CM
45.76	Open and other sigmoidectomy	Procedure	ICD-9-CM
45.79	Other and unspecified partial excision of large intestine	Procedure	ICD-9-CM
45.8	Total intra-abdominal colectomy	Procedure	ICD-9-CM
45.81	Laparoscopic total intra-abdominal colectomy	Procedure	ICD-9-CM
45.82	Open total intra-abdominal colectomy	Procedure	ICD-9-CM
45.83	Other and unspecified total intra-abdominal colectomy	Procedure	ICD-9-CM
45160	Excision of rectal tumor by proctotomy, transsacral or transcoccygeal approach	Procedure	CPT-4
45170	Excision of rectal tumor, transanal approach	Procedure	CPT-4
45171	Excision of rectal tumor, transanal approach; not including muscularis propria (ie, partial thickness)	Procedure	CPT-4
45172	Excision of rectal tumor, transanal approach; including muscularis propria (ie, full thickness)	Procedure	CPT-4
45180	EXC &/OR ELECTRODESICCATION MALIG TUMOR RECTUM	Procedure	CPT-4
45181	Excision And/or Electrodesiccation Of Malignant Tumor Of	Procedure	CPT-4
45190	Destruction of rectal tumor (eg, electrodesiccation, electrosurgery, laser ablation, laser resection, cryosurgery) transanal approach	Procedure	CPT-4
45336	SIGMOIDOSCOPY; ABLATE TUMOR MUCOSAL LESION	Procedure	CPT-4
46938	Cryosurgery of rectal tumor; malignant	Procedure	CPT-4
47370	Laparoscopy, surgical, ablation of 1 or more liver tumor(s); radiofrequency	Procedure	CPT-4
47371	Laparoscopy, surgical, ablation of 1 or more liver tumor(s); cryosurgical	Procedure	CPT-4
47380	Ablation, open, of 1 or more liver tumor(s); radiofrequency	Procedure	CPT-4
47381	Ablation, open, of 1 or more liver tumor(s); cryosurgical	Procedure	CPT-4
47382	Ablation, 1 or more liver tumor(s), percutaneous, radiofrequency	Procedure	CPT-4
47383	Ablation, 1 or more liver tumor(s), percutaneous, cryoablation	Procedure	CPT-4
47710	EXC BILE DUCT TUMOR W/REPR	Procedure	CPT-4

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Code	Description	Code Category	Code Type
47711	Excision of bile duct tumor, with or without primary repair of bile duct; extrahepatic	Procedure	CPT-4
47712	Excision of bile duct tumor, with or without primary repair of bile duct; intrahepatic	Procedure	CPT-4
48.4	Pull-through resection of rectum	Procedure	ICD-9-CM
48.40	Pull-through resection of rectum, not otherwise specified	Procedure	ICD-9-CM
48.42	Laparoscopic pull-through resection of rectum	Procedure	ICD-9-CM
48.43	Open pull-through resection of rectum	Procedure	ICD-9-CM
48.49	Other pull-through resection of rectum	Procedure	ICD-9-CM
48.5	Abdominoperineal resection of rectum	Procedure	ICD-9-CM
48.50	Abdominoperineal resection of the rectum, not otherwise specified	Procedure	ICD-9-CM
48.51	Laparoscopic abdominoperineal resection of the rectum	Procedure	ICD-9-CM
48.52	Open abdominoperineal resection of the rectum	Procedure	ICD-9-CM
48.59	Other abdominoperineal resection of the rectum	Procedure	ICD-9-CM
48.6	Other resection of rectum	Procedure	ICD-9-CM
48.61	Transsacral rectosigmoidectomy	Procedure	ICD-9-CM
48.62	Anterior resection of rectum with synchronous colostomy	Procedure	ICD-9-CM
48.63	Other anterior resection of rectum	Procedure	ICD-9-CM
48.64	Posterior resection of rectum	Procedure	ICD-9-CM
48.69	Other resection of rectum	Procedure	ICD-9-CM
48.99	Other operations on rectum and perirectal tissue	Procedure	ICD-9-CM
49215	Excision of presacral or sacrococcygeal tumor	Procedure	CPT-4
50.22	Partial hepatectomy	Procedure	ICD-9-CM
50.29	Other destruction of lesion of liver	Procedure	ICD-9-CM
50.3	Lobectomy of liver	Procedure	ICD-9-CM
50.4	Total hepatectomy	Procedure	ICD-9-CM
50562	Renal endoscopy through established nephrostomy or pyelostomy, with or without irrigation, instillation, or ureteropyelography, exclusive of radiologic service; with resection of tumor	Procedure	CPT-4
50592	Ablation, 1 or more renal tumor(s), percutaneous, unilateral, radiofrequency	Procedure	CPT-4
50593	Ablation, renal tumor(s), unilateral, percutaneous, cryotherapy	Procedure	CPT-4
51.8	Other operations on biliary ducts and sphincter of oddi	Procedure	ICD-9-CM
51530	Cystotomy; for excision of bladder tumor	Procedure	CPT-4
51550	Cystectomy, partial; simple	Procedure	CPT-4
51555	Cystectomy, partial; complicated (eg, postradiation, previous surgery, difficult location)	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
51565	Cystectomy, partial, with reimplantation of ureter(s) into bladder (ureteroneocystostomy)	Procedure	CPT-4
51570	Cystectomy, complete; (separate procedure)	Procedure	CPT-4
51575	Cystectomy, complete; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes	Procedure	CPT-4
51580	Cystectomy, complete, with ureterosigmoidostomy or ureterocutaneous transplantations;	Procedure	CPT-4
51585	Cystectomy, complete, with ureterosigmoidostomy or ureterocutaneous transplantations; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes	Procedure	CPT-4
51590	Cystectomy, complete, with ureteroileal conduit or sigmoid bladder, including intestine anastomosis;	Procedure	CPT-4
51595	Cystectomy, complete, with ureteroileal conduit or sigmoid bladder, including intestine anastomosis; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric, and obturator nodes	Procedure	CPT-4
51596	Cystectomy, complete, with continent diversion, any open technique, using any segment of small and/or large intestine to construct neobladder	Procedure	CPT-4
51597	Pelvic exenteration, complete, for vesical, prostatic or urethral malignancy, with removal of bladder and ureteral transplantations, with or without hysterectomy and/or abdominoperineal resection of rectum and colon and colostomy, or any combination thereof	Procedure	CPT-4
52.2	Local excision or destruction of pancreas and pancreatic duct	Procedure	ICD-9-CM
52.21	Endoscopic excision or destruction of lesion or tissue of pancreatic duct	Procedure	ICD-9-CM
52.22	Other excision or destruction of lesion or tissue of pancreas or pancreatic duct	Procedure	ICD-9-CM
52.51	Proximal pancreatectomy	Procedure	ICD-9-CM
52.52	Distal pancreatectomy	Procedure	ICD-9-CM
52.53	Radical subtotal pancreatectomy	Procedure	ICD-9-CM
52.59	Other partial pancreatectomy	Procedure	ICD-9-CM
52.6	Total pancreatectomy	Procedure	ICD-9-CM
52.7	Radical pancreaticoduodenectomy	Procedure	ICD-9-CM
52204	Cystourethroscopy, with biopsy(s)	Procedure	CPT-4
52224	Cystourethroscopy, with fulguration (including cryosurgery or laser surgery) or treatment of MINOR (less than 0.5 cm) lesion(s) with or without biopsy	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
52234	Cystourethroscopy, with fulguration (including cryosurgery or laser surgery) and/or resection of; SMALL bladder tumor(s) (0.5 up to 2.0 cm)	Procedure	CPT-4
52235	Cystourethroscopy, with fulguration (including cryosurgery or laser surgery) and/or resection of; MEDIUM bladder tumor(s) (2.0 to 5.0 cm)	Procedure	CPT-4
52240	Cystourethroscopy, with fulguration (including cryosurgery or laser surgery) and/or resection of; LARGE bladder tumor(s)	Procedure	CPT-4
52339	Cystourethroscopy, with ureteroscopy and/or pyeloscopy (includes dilation of the ureter and/or pyeloureteral junction by any method); with resection of tumor	Procedure	CPT-4
52355	Cystourethroscopy, with ureteroscopy and/or pyeloscopy; with resection of ureteral or renal pelvic tumor	Procedure	CPT-4
54.4	Excision or destruction of peritoneal tissue	Procedure	ICD-9-CM
54530	Orchiectomy, radical, for tumor; inguinal approach	Procedure	CPT-4
54535	Orchiectomy, radical, for tumor; with abdominal exploration	Procedure	CPT-4
55.4	Partial nephrectomy	Procedure	ICD-9-CM
55.5	Complete nephrectomy	Procedure	ICD-9-CM
55.51	Nephroureterectomy	Procedure	ICD-9-CM
55.52	Nephrectomy of remaining kidney	Procedure	ICD-9-CM
55.54	Bilateral nephrectomy	Procedure	ICD-9-CM
55860	Exposure of prostate, any approach, for insertion of radioactive substance;	Procedure	CPT-4
55862	Exposure of prostate, any approach, for insertion of radioactive substance; with lymph node biopsy(s) (limited pelvic lymphadenectomy)	Procedure	CPT-4
55865	Exposure of prostate, any approach, for insertion of radioactive substance; with bilateral pelvic lymphadenectomy, including external iliac, hypogastric and obturator nodes	Procedure	CPT-4
57.6	Partial cystectomy	Procedure	ICD-9-CM
57.7	Total cystectomy	Procedure	ICD-9-CM
57.71	Radical cystectomy	Procedure	ICD-9-CM
57.79	Other total cystectomy	Procedure	ICD-9-CM
58140	Myomectomy, excision of fibroid tumor(s) of uterus, 1 to 4 intramural myoma(s) with total weight of 250 g or less and/or removal of surface myomas; abdominal approach	Procedure	CPT-4
58145	Myomectomy, excision of fibroid tumor(s) of uterus, 1 to 4 intramural myoma(s) with total weight of 250 g or less and/or removal of surface myomas; vaginal approach	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
58146	Myomectomy, excision of fibroid tumor(s) of uterus, 5 or more intramural myomas and/or intramural myomas with total weight greater than 250 g, abdominal approach	Procedure	CPT-4
58575	Laparoscopy, surgical, total hysterectomy for resection of malignancy (tumor debulking), with omentectomy including salpingo-oophorectomy, unilateral or bilateral, when performed	Procedure	CPT-4
58952	Resection (initial) of ovarian, tubal or primary peritoneal malignancy with bilateral salpingo-oophorectomy and omentectomy; with radical dissection for debulking (ie, radical excision or destruction, intra-abdominal or retroperitoneal tumors)	Procedure	CPT-4
58957	Resection (tumor debulking) of recurrent ovarian, tubal, primary peritoneal, uterine malignancy (intra-abdominal, retroperitoneal tumors), with omentectomy, if performed;	Procedure	CPT-4
58958	Resection (tumor debulking) of recurrent ovarian, tubal, primary peritoneal, uterine malignancy (intra-abdominal, retroperitoneal tumors), with omentectomy, if performed; with pelvic lymphadenectomy and limited para-aortic lymphadenectomy	Procedure	CPT-4
60.4	Retropubic prostatectomy	Procedure	ICD-9-CM
60.5	Radical prostatectomy	Procedure	ICD-9-CM
60.62	Perineal prostatectomy	Procedure	ICD-9-CM
60.69	Other prostatectomy	Procedure	ICD-9-CM
60200	Excision of cyst or adenoma of thyroid, or transection of isthmus	Procedure	CPT-4
60210	Partial thyroid lobectomy, unilateral; with or without isthmusectomy	Procedure	CPT-4
60212	Partial thyroid lobectomy, unilateral; with contralateral subtotal lobectomy, including isthmusectomy	Procedure	CPT-4
60220	Total thyroid lobectomy, unilateral; with or without isthmusectomy	Procedure	CPT-4
60225	Total thyroid lobectomy, unilateral; with contralateral subtotal lobectomy, including isthmusectomy	Procedure	CPT-4
60240	Thyroidectomy, total or complete	Procedure	CPT-4
60245	THYROIDECTOMY SUBTL/PART	Procedure	CPT-4
60246	THYROIDECTOMY; W/REMOV SUBSTERNAL THYROID GLAND	Procedure	CPT-4
60252	Thyroidectomy, total or subtotal for malignancy; with limited neck dissection	Procedure	CPT-4
60254	Thyroidectomy, total or subtotal for malignancy; with radical neck dissection	Procedure	CPT-4
60270	Thyroidectomy, including substernal thyroid; sternal split or transthoracic approach	Procedure	CPT-4
60271	Thyroidectomy, including substernal thyroid; cervical approach	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
60545	Adrenalectomy, partial or complete, or exploration of adrenal gland with or without biopsy, transabdominal, lumbar or dorsal (separate procedure); with excision of adjacent retroperitoneal tumor	Procedure	CPT-4
60600	Excision of carotid body tumor; without excision of carotid artery	Procedure	CPT-4
60605	Excision of carotid body tumor; with excision of carotid artery	Procedure	CPT-4
61.3	Excision or destruction of lesion or tissue of scrotum	Procedure	ICD-9-CM
61510	Craniectomy, trephination, bone flap craniotomy; for excision of brain tumor, supratentorial, except meningioma	Procedure	CPT-4
61518	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; except meningioma, cerebellopontine angle tumor, or midline tumor at base of skull	Procedure	CPT-4
61519	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; meningioma	Procedure	CPT-4
61520	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; cerebellopontine angle tumor	Procedure	CPT-4
61521	Craniectomy for excision of brain tumor, infratentorial or posterior fossa; midline tumor at base of skull	Procedure	CPT-4
61526	Craniectomy, bone flap craniotomy, transtemporal (mastoid) for excision of cerebellopontine angle tumor;	Procedure	CPT-4
61530	Craniectomy, bone flap craniotomy, transtemporal (mastoid) for excision of cerebellopontine angle tumor; combined with middle/posterior fossa craniotomy/craniectomy	Procedure	CPT-4
61545	Craniotomy with elevation of bone flap; for excision of craniopharyngioma	Procedure	CPT-4
61546	Craniotomy for hypophysectomy or excision of pituitary tumor, intracranial approach	Procedure	CPT-4
62164	Neuroendoscopy, intracranial; with excision of brain tumor, including placement of external ventricular catheter for drainage	Procedure	CPT-4
62165	Neuroendoscopy, intracranial; with excision of pituitary tumor, transnasal or trans-sphenoidal approach	Procedure	CPT-4
63275	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, cervical	Procedure	CPT-4
63276	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, thoracic	Procedure	CPT-4
63277	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, lumbar	Procedure	CPT-4
63278	Laminectomy for biopsy/excision of intraspinal neoplasm; extradural, sacral	Procedure	CPT-4
63280	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, cervical	Procedure	CPT-4

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
63281	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, thoracic	Procedure	CPT-4
63282	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, extramedullary, lumbar	Procedure	CPT-4
63283	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, sacral	Procedure	CPT-4
63285	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, cervical	Procedure	CPT-4
63286	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, thoracic	Procedure	CPT-4
63287	Laminectomy for biopsy/excision of intraspinal neoplasm; intradural, intramedullary, thoracolumbar	Procedure	CPT-4
63290	Laminectomy for biopsy/excision of intraspinal neoplasm; combined extradural-intradural lesion, any level	Procedure	CPT-4
64.2	Local excision or destruction of lesion of penis	Procedure	ICD-9-CM
65.3	Unilateral oophorectomy	Procedure	ICD-9-CM
65.31	Laparoscopic unilateral oophorectomy	Procedure	ICD-9-CM
65.39	Other unilateral oophorectomy	Procedure	ICD-9-CM
65.4	Unilateral salpingo-oophorectomy	Procedure	ICD-9-CM
65.41	Laparoscopic unilateral salpingo-oophorectomy	Procedure	ICD-9-CM
65.49	Other unilateral salpingo-oophorectomy	Procedure	ICD-9-CM
65.5	Bilateral oophorectomy	Procedure	ICD-9-CM
65.51	Other removal of both ovaries at same operative episode	Procedure	ICD-9-CM
65.52	Other removal of remaining ovary	Procedure	ICD-9-CM
65.53	Laparoscopic removal of both ovaries at same operative episode	Procedure	ICD-9-CM
65.54	Laparoscopic removal of remaining ovary	Procedure	ICD-9-CM
65.6	Bilateral salpingo-oophorectomy	Procedure	ICD-9-CM
65.61	Other removal of both ovaries and tubes at same operative episode	Procedure	ICD-9-CM
65.62	Other removal of remaining ovary and tube	Procedure	ICD-9-CM
65.63	Laparoscopic removal of both ovaries and tubes at same operative episode	Procedure	ICD-9-CM
65.64	Laparoscopic removal of remaining ovary and tube	Procedure	ICD-9-CM
67.2	Conization of cervix	Procedure	ICD-9-CM
67.32	Destruction of lesion of cervix by cauterization	Procedure	ICD-9-CM
67.33	Destruction of lesion of cervix by cryosurgery	Procedure	ICD-9-CM
67.39	Other excision or destruction of lesion or tissue of cervix	Procedure	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
67.4	Amputation of cervix	Procedure	ICD-9-CM
68.3	Subtotal abdominal hysterectomy	Procedure	ICD-9-CM
68.39	Other and unspecified subtotal abdominal hysterectomy	Procedure	ICD-9-CM
68.4	Total abdominal hysterectomy	Procedure	ICD-9-CM
68.41	Laparoscopic total abdominal hysterectomy	Procedure	ICD-9-CM
68.49	Other and unspecified total abdominal hysterectomy	Procedure	ICD-9-CM
68.5	Vaginal hysterectomy	Procedure	ICD-9-CM
68.51	Laparoscopically assisted vaginal hysterectomy (LAVH)	Procedure	ICD-9-CM
68.59	Other and unspecified vaginal hysterectomy	Procedure	ICD-9-CM
68.6	Radical abdominal hysterectomy	Procedure	ICD-9-CM
68.61	Laparoscopic radical abdominal hysterectomy	Procedure	ICD-9-CM
68.69	Other and unspecified radical abdominal hysterectomy	Procedure	ICD-9-CM
68.7	Radical vaginal hysterectomy	Procedure	ICD-9-CM
68.71	Laparoscopic radical vaginal hysterectomy [LRVH]	Procedure	ICD-9-CM
68.79	Other and unspecified radical vaginal hysterectomy	Procedure	ICD-9-CM
68.8	Pelvic evisceration	Procedure	ICD-9-CM
68.9	Other and unspecified hysterectomy	Procedure	ICD-9-CM
68540	Excision of lacrimal gland tumor; frontal approach	Procedure	CPT-4
68550	Excision of lacrimal gland tumor; involving osteotomy	Procedure	CPT-4
69.19	Other excision or destruction of uterus and supporting structures	Procedure	ICD-9-CM
69550	Excision aural glomus tumor; transcanal	Procedure	CPT-4
69552	Excision aural glomus tumor; transmastoid	Procedure	CPT-4
69554	Excision aural glomus tumor; extended (extratemporal)	Procedure	CPT-4
69970	Removal of tumor, temporal bone	Procedure	CPT-4
71.3	Other local excision or destruction of vulva and perineum	Procedure	ICD-9-CM
76.2	Local excision or destruction of lesion of facial bone	Procedure	ICD-9-CM
76.31	Partial mandibulectomy	Procedure	ICD-9-CM
76.39	Partial ostectomy of other facial bone	Procedure	ICD-9-CM
76.41	Total mandibulectomy with synchronous reconstruction	Procedure	ICD-9-CM
76.42	Other total mandibulectomy	Procedure	ICD-9-CM
76.45	Other total ostectomy of other facial bone	Procedure	ICD-9-CM
76.5	Temporomandibular arthroplasty	Procedure	ICD-9-CM
77.6	Local excision of lesion or tissue of bone	Procedure	ICD-9-CM
77.60	Local excision of lesion or tissue of bone, unspecified site	Procedure	ICD-9-CM



**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
77.61	Local excision of lesion or tissue of scapula, clavicle, and thorax (ribs and sternum)	Procedure	ICD-9-CM
77.63	Local excision of lesion or tissue of radius and ulna	Procedure	ICD-9-CM
77.64	Local excision of lesion or tissue of carpals and metacarpals	Procedure	ICD-9-CM
77.65	Local excision of lesion or tissue of femur	Procedure	ICD-9-CM
77.66	Local excision of lesion or tissue of patella	Procedure	ICD-9-CM
77.67	Local excision of lesion or tissue of tibia and fibula	Procedure	ICD-9-CM
77.69	Local excision of lesion or tissue of other bone, except facial bones	Procedure	ICD-9-CM
77.8	Other partial ostectomy	Procedure	ICD-9-CM
77.81	Other partial ostectomy of scapula, clavicle, and thorax (ribs and sternum)	Procedure	ICD-9-CM
77.82	Other partial ostectomy of humerus	Procedure	ICD-9-CM
77.83	Other partial ostectomy of radius and ulna	Procedure	ICD-9-CM
77.84	Other partial ostectomy of carpals and metacarpals	Procedure	ICD-9-CM
77.85	Other partial ostectomy of femur	Procedure	ICD-9-CM
77.86	Other partial ostectomy of patella	Procedure	ICD-9-CM
77.87	Other partial ostectomy of tibia and fibula	Procedure	ICD-9-CM
77.88	Other partial ostectomy of tarsals and metatarsals	Procedure	ICD-9-CM
77.89	Other partial ostectomy of other bone, except facial bones	Procedure	ICD-9-CM
77.9	Total ostectomy	Procedure	ICD-9-CM
77.90	Total ostectomy, unspecified site	Procedure	ICD-9-CM
77.91	Total ostectomy of scapula, clavicle, and thorax (ribs and sternum)	Procedure	ICD-9-CM
77.92	Total ostectomy of humerus	Procedure	ICD-9-CM
77.93	Total ostectomy of radius and ulna	Procedure	ICD-9-CM
77.94	Total ostectomy of carpals and metacarpals	Procedure	ICD-9-CM
77.95	Total ostectomy of femur	Procedure	ICD-9-CM
77.96	Total ostectomy of patella	Procedure	ICD-9-CM
77.97	Total ostectomy of tibia and fibula	Procedure	ICD-9-CM
77.98	Total ostectomy of tarsals and metatarsals	Procedure	ICD-9-CM
77.99	Total ostectomy of other bone, except facial bones	Procedure	ICD-9-CM
80.81	Other local excision or destruction of lesion of shoulder joint	Procedure	ICD-9-CM
80.82	Other local excision or destruction of lesion of elbow joint	Procedure	ICD-9-CM
80.83	Other local excision or destruction of lesion of wrist joint	Procedure	ICD-9-CM
80.92	Other excision of elbow joint	Procedure	ICD-9-CM
82.2	Excision of lesion of muscle, tendon, and fascia of hand	Procedure	ICD-9-CM
82.21	Excision of lesion of tendon sheath of hand	Procedure	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
82.22	Excision of lesion of muscle of hand	Procedure	ICD-9-CM
82.29	Excision of other lesion of soft tissue of hand	Procedure	ICD-9-CM
82.3	Other excision of soft tissue of hand	Procedure	ICD-9-CM
83.3	Excision of lesion of muscle, tendon, fascia, and bursa	Procedure	ICD-9-CM
83.31	Excision of lesion of tendon sheath	Procedure	ICD-9-CM
83.32	Excision of lesion of muscle	Procedure	ICD-9-CM
83.39	Excision of lesion of other soft tissue	Procedure	ICD-9-CM
83.4	Other excision of muscle, tendon, and fascia	Procedure	ICD-9-CM
83.42	Other tenonectomy	Procedure	ICD-9-CM
83.49	Other excision of soft tissue	Procedure	ICD-9-CM
84.00	Upper limb amputation, not otherwise specified	Procedure	ICD-9-CM
84.01	Amputation and disarticulation of finger	Procedure	ICD-9-CM
84.02	Amputation and disarticulation of thumb	Procedure	ICD-9-CM
84.03	Amputation through hand	Procedure	ICD-9-CM
84.05	Amputation through forearm	Procedure	ICD-9-CM
84.07	Amputation through humerus	Procedure	ICD-9-CM
84.09	Interthoracoscapular amputation	Procedure	ICD-9-CM
84.10	Lower limb amputation, not otherwise specified	Procedure	ICD-9-CM
84.11	Amputation of toe	Procedure	ICD-9-CM
84.12	Amputation through foot	Procedure	ICD-9-CM
84.13	Disarticulation of ankle	Procedure	ICD-9-CM
84.14	Amputation of ankle through malleoli of tibia and fibula	Procedure	ICD-9-CM
84.15	Other amputation below knee	Procedure	ICD-9-CM
84.17	Amputation above knee	Procedure	ICD-9-CM
84.19	Abdominopelvic amputation	Procedure	ICD-9-CM
84.91	Amputation, not otherwise specified	Procedure	ICD-9-CM
85.21	Local excision of lesion of breast	Procedure	ICD-9-CM
85.22	Resection of quadrant of breast	Procedure	ICD-9-CM
85.23	Subtotal mastectomy	Procedure	ICD-9-CM
85.4	Mastectomy	Procedure	ICD-9-CM
85.41	Unilateral simple mastectomy	Procedure	ICD-9-CM
85.42	Bilateral simple mastectomy	Procedure	ICD-9-CM
85.43	Unilateral extended simple mastectomy	Procedure	ICD-9-CM
85.44	Bilateral extended simple mastectomy	Procedure	ICD-9-CM

**Appendix C. List of Current Procedural Terminology, Fourth Edition (CPT-4), Current Procedural Terminology, Second Edition (CPT-2), Current Procedural Terminology, Third Edition (CPT-3), Healthcare Common Procedure Coding System (HCPCS), International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), and International Classification of Diseases, Tenth Revision, Procedural Coding System (ICD-10-PCS) Codes Used to Define Exclusion Criteria in this Request**

Code	Description	Code Category	Code Type
85.45	Unilateral radical mastectomy	Procedure	ICD-9-CM
85.46	Bilateral radical mastectomy	Procedure	ICD-9-CM
85.47	Unilateral extended radical mastectomy	Procedure	ICD-9-CM
85.48	Bilateral extended radical mastectomy	Procedure	ICD-9-CM
86.23	Removal of nail, nailbed, or nail fold	Procedure	ICD-9-CM
86.3	Other local excision or destruction of lesion or tissue of skin and subcutaneous tissue	Procedure	ICD-9-CM
86.4	Radical excision of skin lesion	Procedure	ICD-9-CM
D7440	excision of malignant tumor - lesion diameter up to 1.25 cm	Procedure	HCPCS
D7441	excision of malignant tumor - lesion diameter greater than 1.25 cm	Procedure	HCPCS
S2090	Ablation, open, one or more renal tumor(s); cryosurgical	Procedure	HCPCS
S2091	Ablation, percutaneous, one or more renal tumor(s); cryosurgical	Procedure	HCPCS
S2095	Transcatheter occlusion or embolization for tumor destruction, percutaneous, any method, using yttrium-90 microspheres	Procedure	HCPCS
S2210	Cryosurgical ablation (in situ destruction) of tumorous tissue, one or more lesions; liver	Procedure	HCPCS

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
Chemotherapy	
BCG live	Theracys
BCG live	Tice BCG
Tositumomab Iodine-131 (with Maltose)	Bexxar 131 Iodine
abemaciclib	Verzenio
abiraterone acetate	Zytiga
abiraterone acetate	abiraterone
abiraterone acetate, submicronized	Yonsa
acalabrutinib	Calquence
ado-trastuzumab emtansine	Kadcyla
afatinib dimaleate	Gilotrif
aldesleukin	Proleukin
alectinib HCl	Alecensa
alemtuzumab	Campath
alpelisib	Piqray
altretamine	Hexalen
amifostine crystalline	Ethyol
amifostine crystalline	amifostine crystalline
amivantamab-vmjw	Rybrevant
anastrozole	Arimidex
anastrozole	anastrozole
anastrozole	anastrozole (bulk)
apalutamide	Erleada
arsenic trioxide	Trisenox
arsenic trioxide	arsenic trioxide
arsenic trioxide	arsenic trioxide (bulk)
asciminib hydrochloride	Scemblix
asparaginase	Elspar
asparaginase (Erwinia chrysanthemi)	Erwinase
asparaginase (Erwinia chrysanthemi)	Erwinaze
asparaginase Erwinia chrysanthemi (recombinant)-rywn	Rylaze
atezolizumab	Tecentriq
avapritinib	Ayvakit
avelumab	Bavencio
axicabtagene ciloleucel	Yescarta
axitinib	Inlyta
azacitidine	Onureg
azacitidine	Vidaza
azacitidine	azacitidine

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
belantamab mafodotin-blmf	Blenrep
belinostat	Beleodaq
belzutifan	Welireg
bendamustine HCl	Belrapzo
bendamustine HCl	Bendeka
bendamustine HCl	Treanda
bendamustine HCl	bendamustine
bevacizumab	Avastin
bevacizumab-awwb	Mvasi
bevacizumab-bvzr	Zirabev
bexarotene	Targretin
bexarotene	bexarotene
bicalutamide	Casodex
bicalutamide	bicalutamide
binimetinib	Mektovi
bleomycin sulfate	Bleo 15K
bleomycin sulfate	bleomycin
blinatumomab	Blincyto
bortezomib	Velcade
bortezomib	bortezomib
bosutinib	Bosulif
brentuximab vedotin	Adcetris
brexucabtagene autoleucel	Tecartus
brigatinib	Alunbrig
busulfan	Busulfex
busulfan	Myleran
busulfan	busulfan
cabazitaxel	Jevtana
cabozantinib s-malate	Cabometyx
cabozantinib s-malate	Cometriq
calaspargase pegol-mknl	Asparlas
capecitabine	Xeloda
capecitabine	capecitabine
capmatinib hydrochloride	Tabrecta
carboplatin	Paraplatin
carboplatin	carboplatin
carfilzomib	Kyprolis
carmustine	BiCNU
carmustine	carmustine

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
carmustine in polifeprosan 20	Gliadel Wafer
cemiplimab-rwlc	Libtayo
ceritinib	Zykadia
cetuximab	Erbix
chlorambucil	Leukeran
chlorambucil	chlorambucil (bulk)
cisplatin	cisplatin
cisplatin	cisplatin (bulk)
cladribine	Leustatin
cladribine	cladribine
clofarabine	Clolar
clofarabine	clofarabine
cobimetinib fumarate	Cotellic
copanlisib di-HCl	Aliqopa
crizotinib	Xalkori
cromolyn sodium	Gastrocrom
cromolyn sodium	cromolyn
cromolyn sodium	cromolyn (bulk)
cyclophosphamide	cyclophosphamide
cyclophosphamide	cyclophosphamide (bulk)
cytarabine	cytarabine
cytarabine liposome/PF	DepoCyt (PF)
cytarabine/PF	cytarabine (PF)
dabrafenib mesylate	Tafinlar
dacarbazine	dacarbazine
dacomitinib	Vizimpro
dactinomycin	Cosmegen
dactinomycin	dactinomycin
daratumumab	Darzalex
daratumumab-hyaluronidase-fihj	Darzalex Faspro
darolutamide	Nubeqa
dasatinib	Sprycel
daunorubicin HCl	Cerubidine
daunorubicin HCl	daunorubicin
daunorubicin citrate liposomal	DaunoXome
daunorubicin/cytarabine liposomal	Vyxeos
decitabine	Dacogen
decitabine	decitabine
decitabine/cedazuridine	Inqovi

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
degarelix acetate	Firmagon
degarelix acetate	Firmagon kit w diluent syringe
denileukin diftitox	Ontak
dexrazoxane HCl	Totect
dexrazoxane HCl	Zinecard (as HCl)
dexrazoxane HCl	dexrazoxane HCl
diethylstilbestrol	diethylstilbestrol (bulk)
dinutuximab	Unituxin
docetaxel	Docetaxel
docetaxel	Taxotere
docetaxel	docetaxel
dostarlimab-gxly	Jemperli
doxorubicin HCl	Adriamycin
doxorubicin HCl	Adriamycin PFS
doxorubicin HCl	doxorubicin
doxorubicin HCl pegylated liposomal	Doxil
doxorubicin HCl pegylated liposomal	Lipodox
doxorubicin HCl pegylated liposomal	Lipodox 50
doxorubicin HCl pegylated liposomal	doxorubicin, peg-liposomal
durvalumab	Imfinzi
duvelisib	Copiktra
elotuzumab	Empliciti
enasidenib mesylate	Idhifa
encorafenib	Braftovi
enfortumab vedotin-ejfv	Padcev
entrectinib	Rozlytrek
enzalutamide	Xtandi
epirubicin HCl	Ellence
epirubicin HCl	epirubicin
erdafitinib	Balversa
eribulin mesylate	Halaven
erlotinib HCl	Tarceva
erlotinib HCl	erlotinib
estramustine phosphate sodium	Emcyt
etoposide	Toposar
etoposide	etoposide
etoposide	etoposide (bulk)
etoposide phosphate	Etopophos
everolimus	Afinitor

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
everolimus	Afinitor Disperz
everolimus	everolimus (antineoplastic)
exemestane	Aromasin
exemestane	exemestane
fam-trastuzumab deruxtecan-nxki	Enhertu
fedratinib dihydrochloride	Inrebic
floxuridine	floxuridine
floxuridine	floxuridine (bulk)
fludarabine phosphate	Fludara
fludarabine phosphate	Oforta
fludarabine phosphate	fludarabine
fluorouracil	Adrucil
fluorouracil	Carac
fluorouracil	Efudex
fluorouracil	Fluoroplex
fluorouracil	Tolak
fluorouracil	fluorouracil
fluorouracil	fluorouracil (bulk)
flutamide	Eulexin
flutamide	flutamide
fulvestrant	Faslodex
fulvestrant	fulvestrant
gefitinib	Iressa
gemcitabine HCl	Gemzar
gemcitabine HCl	gemcitabine
gemcitabine HCl in 0.9 % sodium chloride	Infugem
gemtuzumab ozogamicin	Mylotarg
gilteritinib fumarate	Xospata
glasdegib maleate	Daurismo
glucarpidase	Voraxaze
goserelin acetate	Zoladex
histrelin acetate	Vantas
hydroxyurea	Hydrea
hydroxyurea	hydroxyurea
hydroxyurea	hydroxyurea (bulk)
ibrutinib	Imbruvica
idarubicin HCl	Idamycin PFS
idarubicin HCl	idarubicin
idecabtagene vicleucel	Abecma



**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
idelalisib	Zydelig
ifosfamide	Ifex
ifosfamide	ifosfamide
ifosfamide/mesna	ifosfamide-mesna
imatinib mesylate	Gleevec
imatinib mesylate	imatinib
infigratinib phosphate	Truseltiq
inotuzumab ozogamicin	Besponsa
interferon alfa-2b, recomb.	Intron A
interferon alfa-n3	Alferon N
iobenguane iodine-131	Azedra Dosimetric
iobenguane iodine-131	Azedra Therapeutic
ipilimumab	Yervoy
irinotecan HCl	Camptosar
irinotecan HCl	irinotecan
irinotecan liposomal	Onivyde
isatuximab-irfc	Sarclisa
ivosidenib	Tibsovo
ixabepilone	Ixempra
ixazomib citrate	Ninlaro
kit for prep indium-111/ibritumomab tiuxetan/albumin human	Zevalin (In-111)
kit for prep yttrium-90/ibritumomab tiuxetan/albumin human	Zevalin (Y-90)
lapatinib ditosylate	Tykerb
lapatinib ditosylate	lapatinib
larotrectinib sulfate	Vitrakvi
lenalidomide	Revlimid
lenvatinib mesylate	Lenvima
letrozole	Femara
letrozole	letrozole
letrozole	letrozole (bulk)
leucovorin calcium	Calcium Folate (leucovorin)
leucovorin calcium	leucovorin calcium
leuprolide acetate	Eligard
leuprolide acetate	Eligard (3 month)
leuprolide acetate	Eligard (4 month)
leuprolide acetate	Eligard (6 month)
leuprolide acetate	Lupron Depot
leuprolide acetate	Lupron Depot (3 month)
leuprolide acetate	Lupron Depot (4 month)

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
leuprolide acetate	Lupron Depot (6 Month)
leuprolide acetate	leuprolide
leuprolide acetate	leuprolide (bulk)
levamisole HCl	levamisole (bulk)
levoleucovorin	Khapzory
levoleucovorin calcium	Fusilev
levoleucovorin calcium	levoleucovorin calcium
lisocabtagene maraleucel	Breyanzi
lisocabtagene maraleucel, CD4 component, 2 of 2	Breyanzi CD4 Component (2of 2)
lisocabtagene maraleucel, CD8 component, 1 of 2	Breyanzi CD8 Component (1of 2)
lomustine	CeeNU
lomustine	Gleostine
lomustine	lomustine
loncastuximab tesirine-lpyl	Zynlonta
lorlatinib	Lorbrena
lurbinectedin	Zepzelca
lutetium Lu 177 dotatate	Lutathera
margetuximab-cmkb	Margenza
mechlorethamine HCl	Mustargen
mechlorethamine HCl	Valchlor
mechlorethamine HCl	mechlorethamine (bulk)
medroxyprogesterone acetate	Depo-Provera
megestrol acetate	megestrol
megestrol acetate,micronized	megestrol acetate,micro (bulk)
melphalan	Alkeran
melphalan	melphalan
melphalan HCl	Alkeran (as HCl)
melphalan HCl	melphalan HCl
melphalan HCl/betadex sulfobutyl ether sodium	Evomela
melphalan flufenamide hydrochloride	Pepaxto
mercaptopurine	Purinethol
mercaptopurine	Purixan
mercaptopurine	mercaptopurine
mercaptopurine	mercaptopurine (bulk)
mesna	Mesnex
mesna	mesna
methotrexate	Xatmep
methotrexate	methotrexate (bulk)
methotrexate sodium	Rheumatrex

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
methotrexate sodium	Trexall
methotrexate sodium	methotrexate sodium
methotrexate sodium/PF	methotrexate sodium (PF)
methoxsalen	Uvadex
methoxsalen	methoxsalen (bulk)
midostaurin	Rydapt
mitomycin	Jelmyto
mitomycin	Mutamycin
mitomycin	mitomycin
mitomycin	mitomycin (bulk)
mitotane	Lysodren
mitotane	mitotane (bulk)
mitoxantrone HCl	Novantrone
mitoxantrone HCl	mitoxantrone
mobocertinib succinate	Exkivity
mogamulizumab-kpkc	Poteligeo
moxetumomab pasudotox-tdfk	Lumoxiti
naxitamab-ggqk	Danyelza
necitumumab	Portrazza
nelarabine	Arranon
nelarabine	nelarabine
neratinib maleate	Nerlynx
nilotinib HCl	Tasigna
nilutamide	Nilandron
nilutamide	nilutamide
nintedanib esylate	Ofev
niraparib tosylate	Zejula
nivolumab	Opdivo
obinutuzumab	Gazyva
ofatumumab	Arzerra
olaparib	Lynparza
olaratumab	Lartruvo
omacetaxine mepesuccinate	Synribo
osimertinib mesylate	Tagrisso
oxaliplatin	Eloxatin
oxaliplatin	oxaliplatin
paclitaxel	paclitaxel
paclitaxel protein-bound	Abraxane
palbociclib	Ibrance

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
panitumumab	Vectibix
panobinostat lactate	Farydak
pazopanib HCl	Votrient
pegaspargase	Oncaspar
peginterferon alfa-2b	Sylatron
peginterferon alfa-2b	Sylatron 4-Pack
pembrolizumab	Keytruda
pemetrexed	Pemfexy
pemetrexed disodium	Alimta
pemigatinib	Pemazyre
pentostatin	Nipent
pentostatin	pentostatin
pertuzumab	Perjeta
pertuzumab-trastuzumab-hyaluronidase-zzxf	Phesgo
pexidartinib hydrochloride	Turalio
polatuzumab vedotin-piiq	Polivy
pomalidomide	Pomalyst
ponatinib HCl	Iclusig
porfimer sodium	Photofrin
pralatrexate	Folotyn
pralsetinib	Gavreto
procarbazine HCl	Matulane
procarbazine HCl	procarbazine HCl (bulk)
radium-223 dichloride	Xofigo
ramucirumab	Cyramza
regorafenib	Stivarga
relugolix	Orgovyx
ribociclib succinate	Kisqali
ribociclib succinate/letrozole	Kisqali Femara Co-Pack
ripretinib	Qinlock
rituximab	Rituxan
rituximab-abbs	Truxima
rituximab-arrx	Riabni
rituximab-pvvr	Ruxience
rituximab/hyaluronidase, human recombinant	Rituxan Hycela
romidepsin	Istodax
romidepsin	romidepsin
ropeginterferon alfa-2b-njft	Besremi
rucaparib camsylate	Rubraca

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
ruxolitinib phosphate	Jakafi
sacituzumab govitecan-hziy	Trodelvy
samarium Sm 153 lexidronam	Quadramet
selinexor	Xpovio
selpercatinib	Retevmo
selumetinib sulfate/vitamin E TPGS	Koselugo
siltuximab	Sylvant
sipuleucel-T/lactated ringers solution	Provenge
sirolimus protein-bound	Fyarro
sodium butyrate	sodium butyrate (bulk)
sodium iodide-131	Hicon
sonidegib phosphate	Odomzo
sorafenib tosylate	Nexavar
sotorasib	Lumakras
streptozocin	Zanosar
strontium-89 chloride	Metastron
strontium-89 chloride	strontium-89 chloride
sunitinib malate	Sutent
sunitinib malate	sunitinib
tafasitamab-cxix	Monjuvi
tagraxofusp-erzs	Elzonris
talazoparib tosylate	Talzenna
talimogene laherparepvec	Imlygic
tamoxifen citrate	Soltamox
tamoxifen citrate	tamoxifen
tamoxifen citrate	tamoxifen (bulk)
tazemetostat hydrobromide	Tazverik
tebentafusp-tebn	Kimmtrak
temozolomide	Temodar
temozolomide	temozolomide
temsirolimus	Torisel
temsirolimus	temsirolimus
teniposide	Vumon
teniposide	teniposide
tepotinib HCl	Tepmetko
thalidomide	Thalomid
thioguanine	Tabloid
thioguanine	thioguanine (bulk)
thiotepa	Tepadina

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
thiotepa	thiotepa
thiotepa	thiotepa (bulk)
tisagenlecleucel	Kymriah
tisotumab vedotin-tftv	Tivdak
tivozanib HCl	Fotivda
topotecan HCl	Hycamtin
topotecan HCl	topotecan
toremifene citrate	Fareston
toremifene citrate	toremifene
tositumomab (with maltose)	Bexxar Dosimetric
tositumomab (with maltose)	Bexxar Therapeutic
trabectedin	Yondelis
trametinib dimethyl sulfoxide	Mekinist
trastuzumab	Herceptin
trastuzumab-anns	Kanjinti
trastuzumab-dkst	Ogivri
trastuzumab-dttb	Ontruzant
trastuzumab-hyaluronidase-oysk	Herceptin Hylecta
trastuzumab-pkrb	Herzuma
trastuzumab-qyyp	Trazimera
tretinoin	tretinoin (antineoplastic)
trifluridine/tipiracil HCl	Lonsurf
trilaciclib dihydrochloride	Cosela
triptorelin pamoate	Trelstar
tucatinib	Tukysa
umbralisib tosylate	Ukoniq
uridine	uridine (bulk)
uridine triacetate	Vistogard
valrubicin	Valstar
valrubicin	valrubicin
vandetanib	Caprelsa
vandetanib	vandetanib
vemurafenib	Zelboraf
venetoclax	Venclexta
venetoclax	Venclexta Starting Pack
vinblastine sulfate	vinblastine
vincristine sulfate	Vincasar PFS
vincristine sulfate	vincristine
vincristine sulfate liposomal	Marqibo

**Appendix D. List of Generic/Nonproprietary and Brand/Proprietary Names of Medical Products Used to Define Exclusion Criteria in this Request**

Generic Name/Nonproprietary	Brand Name/Proprietary
vinorelbine tartrate	Navelbine
vinorelbine tartrate	vinorelbine
vismodegib	Erivedge
vorinostat	Zolanza
zanubrutinib	Brukinsa
ziv-aflibercept	Zaltrap

**Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exposure Censoring Criteria in this Request**

Generic Name	Brand Name
<b>Other Antihypertensives</b>	
aliskiren hemifumarate	Tekturna
aliskiren hemifumarate	aliskiren
aliskiren hemifumarate/amlodipine besylate	Tekamlo
aliskiren hemifumarate/amlodipine/hydrochlorothiazide	Amturnide
aliskiren hemifumarate/hydrochlorothiazide	Tekturna HCT
ambrisentan	Letairis
ambrisentan	ambrisentan
amlodipine besylate/benazepril HCl	Lotrel
amlodipine besylate/benazepril HCl	amlodipine-benazepril
amlodipine besylate/olmesartan medoxomil	Azor
amlodipine besylate/olmesartan medoxomil	amlodipine-olmesartan
atenolol/chlorthalidone	Tenoretic 100
atenolol/chlorthalidone	Tenoretic 50
atenolol/chlorthalidone	atenolol-chlorthalidone
azilsartan medoxomil	Edarbi
azilsartan medoxomil/chlorthalidone	Edarbyclor
benazepril HCl	Lotensin
benazepril HCl	benazepril
benazepril HCl/hydrochlorothiazide	Lotensin HCT
benazepril HCl/hydrochlorothiazide	benazepril-hydrochlorothiazide
bisoprolol fumarate/hydrochlorothiazide	Ziac
bisoprolol fumarate/hydrochlorothiazide	bisoprolol-hydrochlorothiazide
bosentan	Tracleer
bosentan	bosentan
candesartan cilexetil	Atacand
candesartan cilexetil	candesartan
candesartan cilexetil/hydrochlorothiazide	Atacand HCT
candesartan cilexetil/hydrochlorothiazide	candesartan-hydrochlorothiazid
captopril	captopril
captopril/hydrochlorothiazide	captopril-hydrochlorothiazide
clonidine HCl	Catapres
clonidine HCl	Nexiclon XR
clonidine HCl	clonidine HCl
clonidine HCl/chlorthalidone	Clorpres
doxazosin mesylate	Cardura
doxazosin mesylate	Cardura XL
doxazosin mesylate	doxazosin
enalapril maleate	Epaned



**Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exposure Censoring Criteria in this Request**

Generic Name	Brand Name
enalapril maleate	Vasotec
enalapril maleate	enalapril maleate
enalapril maleate/hydrochlorothiazide	Vaseretic
enalapril maleate/hydrochlorothiazide	enalapril-hydrochlorothiazide
eplerenone	Inspira
eplerenone	eplerenone
eprosartan mesylate	Teveten
eprosartan mesylate	eprosartan
eprosartan mesylate/hydrochlorothiazide	Teveten HCT
finerenone	Kerendia
fosinopril sodium	fosinopril
fosinopril sodium/hydrochlorothiazide	fosinopril-hydrochlorothiazide
guanabenz acetate	guanabenz
guanfacine HCl	Tenex
guanfacine HCl	guanfacine
hydralazine HCl	hydralazine
irbesartan	Avapro
irbesartan	irbesartan
irbesartan/hydrochlorothiazide	Avalide
irbesartan/hydrochlorothiazide	irbesartan-hydrochlorothiazide
isosorbide dinitrate/hydralazine HCl	BiDil
isoxsuprine HCl	isoxsuprine
lisinopril	Prinivil
lisinopril	Qbrelis
lisinopril	Zestril
lisinopril	lisinopril
lisinopril/dietary supplement,comb.10	Lytensopril
lisinopril/dietary supplement,comb.10	Lytensopril-90
lisinopril/hydrochlorothiazide	Prinzide
lisinopril/hydrochlorothiazide	Zestoretic
lisinopril/hydrochlorothiazide	lisinopril-hydrochlorothiazide
losartan potassium	Cozaar
losartan potassium	losartan
losartan potassium/hydrochlorothiazide	Hyzaar
losartan potassium/hydrochlorothiazide	losartan-hydrochlorothiazide
macitentan	Opsumit
mecamylamine HCl	Vecamyl
methyldopa	methyldopa
methyldopa/hydrochlorothiazide	methyldopa-hydrochlorothiazide

**Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exposure Censoring Criteria in this Request**

Generic Name	Brand Name
metoprolol succinate/hydrochlorothiazide	Dutoprol
metoprolol succinate/hydrochlorothiazide	metoprolol su-hydrochlorothiaz
metoprolol tartrate/hydrochlorothiazide	Lopressor HCT
metoprolol tartrate/hydrochlorothiazide	metoprolol ta-hydrochlorothiaz
metyrosine	Demser
metyrosine	metyrosine
minoxidil	minoxidil
moexipril HCl	Univasc
moexipril HCl	moexipril
moexipril HCl/hydrochlorothiazide	Uniretic
moexipril HCl/hydrochlorothiazide	moexipril-hydrochlorothiazide
nadolol/bendroflumethiazide	Corzide
nadolol/bendroflumethiazide	nadolol-bendroflumethiazide
olmesartan medoxomil	Benicar
olmesartan medoxomil	olmesartan
olmesartan medoxomil/amlodipine besylate/hydrochlorothiazide	Tribenzor
olmesartan medoxomil/amlodipine besylate/hydrochlorothiazide	olmesartan-amlodipin-hcthiazid
olmesartan medoxomil/hydrochlorothiazide	Benicar HCT
olmesartan medoxomil/hydrochlorothiazide	olmesartan-hydrochlorothiazide
papaverine HCl	papaverine
perindopril arginine/amlodipine besylate	Prestalia
perindopril erbumine	Aceon
perindopril erbumine	perindopril erbumine
phenoxybenzamine HCl	Dibenzylamine
phenoxybenzamine HCl	phenoxybenzamine
prazosin HCl	Minipress
prazosin HCl	prazosin
propranolol HCl/hydrochlorothiazide	propranolol-hydrochlorothiazid
quinapril HCl	Accupril
quinapril HCl	quinapril
quinapril HCl/hydrochlorothiazide	Accuretic
quinapril HCl/hydrochlorothiazide	quinapril-hydrochlorothiazide
ramipril	Altace
ramipril	ramipril
reserpine	reserpine
riociguat	Adempas
selexipag	Upravi
sildenafil citrate	Revatio
sildenafil citrate	sildenafil (pulm.hypertension)

**Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exposure Censoring Criteria in this Request**

Generic Name	Brand Name
spironolactone	Aldactone
spironolactone	CaroSpir
spironolactone	spironolactone
tadalafil	Adcirca
tadalafil	Alyq
tadalafil	tadalafil (pulm. hypertension)
telmisartan	Micardis
telmisartan	telmisartan
telmisartan/amlodipine besylate	Twynsta
telmisartan/amlodipine besylate	telmisartan-amlodipine
telmisartan/hydrochlorothiazide	Micardis HCT
telmisartan/hydrochlorothiazide	telmisartan-hydrochlorothiazid
terazosin HCl	terazosin
trandolapril	Mavik
trandolapril	trandolapril
trandolapril/verapamil HCl	Tarka
trandolapril/verapamil HCl	trandolapril-verapamil
treprostinil diolamine	Orenitram
<b>Contaminated Valsartan Products</b>	
amlodipine besylate/valsartan	amlodipine-valsartan
amlodipine besylate/valsartan/hydrochlorothiazide	amlodipine-valsartan-hcthiazid
amlodipine/valsartan	amlodipine/valsartan
valsartan	valsartan
valsartan/hydrochlorothiazide	valsartan-hydrochlorothiazide
valsartan/hydrochlorothiazide	valsartan/hydrochlorothiazide
<b>Non-Contaminated Valsartan Products</b>	
Valsartan	Valsartan
aliskiren/valsartan	Valturna
amlodipine besylate/valsartan	Exforge
amlodipine besylate/valsartan	amlodipine-valsartan
amlodipine besylate/valsartan/hydrochlorothiazide	Exforge HCT
amlodipine besylate/valsartan/hydrochlorothiazide	amlodipine-valsartan-hcthiazid
amlodipine/valsartan	amlodipine/valsartan
amlodipine/valsartan/hydrochlorothiazide	amlodipine/valsartan/hydrochlorothiazide
sacubitril/valsartan	Entresto
valsartan	Diovan
valsartan	valsartan
valsartan/hydrochlorothiazide	Diovan HCT
valsartan/hydrochlorothiazide	valsartan-hydrochlorothiazide

**Appendix E. List of Generic and Brand Names of Medical Products Used to Define Exposure Censoring Criteria in this Request**

Generic Name	Brand Name
valsartan/hydrochlorothiazide	valsartan/hydrochlorothiazide
Unclassified Valsartan Products	
amlodipine besylate/valsartan	amlodipine-valsartan
amlodipine besylate/valsartan/hydrochlorothiazide	amlodipine-valsartan-hcthiazid
nebivolol HCl/valsartan	Byvalson
valsartan	valsartan
valsartan/hydrochlorothiazide	valsartan-hydrochlorothiazide

Appendix F. Specifications Defining Type 2 Parameters Used in this Request

The Center for Drug Evaluation and Research has requested execution of the Cohort Identification and Descriptive Analysis (CIDA) tool [version 11.3.0] to estimate rates of valsartan utilization with in the Sentinel Distributed Database (SDD).

<div><div>Query Period: May 1, 2012 - most recent available data (March 31, 2022)</div><div>Coverage requirement: Medical &amp; Drug Coverage</div><div>Pre-Index Enrollment: 365 days</div><div>Enrollment Gap: 45 days</div><div>Age Group: 18-44, 45-64, 65-74, 75-84, 85+</div><div>Post-index enrollment requirement: 0</div><div>Stratifications: Year-Month, Age*Year-Month</div><div>Follow-up Time output categorization: 0-&lt;1 year, 1-&lt;2 years, 2-&lt;3 years, 3-&lt;4 years, 4-&lt;5 years, 5+ years</div><div>Envelope macro: Reclassify encounters during inpatient stay as inpatient</div><div>Freeze data: Yes (for plus programming functionality)</div></div>																					
Exposure/Event												Inclusion/Exclusion									
Scenario	Index Exposure/ Event	Cohort definition	Washout period	Incident w/ respect to:	Exclude evidence of days supply if exposure washout	Treatment episode gap	Exposure episode extension	Care setting	Principal diagnosis position	Create Baseline Table?	Censor enrollment at evidence of	Inclusion/Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ex clusion	Number of instances the criteria should be	Forced supply to attach to dispensings	
1	Any valsartan products	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to another antihypertensive	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	
2	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to non-contaminated/branded valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	
3	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	

Scenario	Exposure/Event											Inclusion/Exclusion									
	Index Exposure/ Event	Cohort definition	Washout period	Incident w/ respect to:	Exclude evidence of days supply if exposure washout	Treatment episode gap	Exposure episode extension	Care setting	Principal diagnosis position	Create Baseline Table?	Censor enrollment at evidence of	Inclusion/Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ex	Number of instances the criteria should be	Forced supply to attach to dispensings	
4	Any valsartan products	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	N	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to another antihypertensive	Cancer, Chemotherapy, Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	
5	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	N	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to non-contaminated/branded valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive	Cancer, Chemotherapy, Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	
6	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	N	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive	Cancer, Chemotherapy, Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	
7	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; (note: use plus programming to not censor on episode end date)	Cancer, Chemotherapy, Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	
8	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *Switch to non-contaminated category; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)	Cancer, Chemotherapy, Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	

Scenario	Index Exposure/ Event	Exposure/Event									Inclusion/Exclusion									
		Cohort definition	Washout period	Incident w/ respect to:	Exclude evidence of days supply if exposure washout	Treatment episode gap	Exposure episode extension	Care setting	Principal diagnosis position	Create Baseline Table?	Censor enrollment at evidence of	Inclusion/ Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ex clusion	Number of instances the criteria should be	Forced supply to attach to dispensings
9	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
10	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to non-contaminated category; *Switch to unclassified valsartan category	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
11	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	N	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; (note: use plus programming to not censor on episode end date)	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
12	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	N	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *Switch to non-contaminated category; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
13	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	N	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
14	Contaminated valsartan products (Contaminated or recalled)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	N	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to non-contaminated category; *Switch to unclassified valsartan category	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a

Exposure/Event											Inclusion/Exclusion									
Scenario	Index Exposure/ Event	Cohort definition	Washout period	Incident w/ respect to:	Exclude evidence of days supply if exposure washout	Treatment episode gap	Exposure episode extension	Care setting	Principal diagnosis position	Create Baseline Table?	Censor enrollment at evidence of	Inclusion/Exclusion	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ex clusion	Number of instances the criteria should be	Forced supply to attach to dispensings
15	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
16	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	All valid index dates during query period (02)	0	n/a	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
17	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
18	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	All valid index dates during query period (02)	365 (done via exclusion criteria)	All valsartan products	n/a	30 days	30 days	Any	n/a	N	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category	Cancer, Chemotherapy , Radiation, Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a
ICD-9, ICD-10, HCPCS, and CPT codes are provided by Optum360. NDC codes are checked against First Data Bank's FDB MedKnowledge®.																				



# Appendix G. Specifications Defining Type 5 Parameters Used in this Request

The Center for Drug Evaluation and Research (CDER) has requested execution of the Cohort Identification and Descriptive Analysis (CIDA) tool [11.3.0] to investigate the cumulative exposed days and cumulative exposed dose for valsartan products in the Sentinel Distributed Database (SDD), to inform the full analysis for cder\_mpl1p\_wp066.

**Query period:** May 1, 2012 to most recent available data (March 31, 2022)  
**Coverage requirement:** Medical & Drug Coverage  
**Pre-index enrollment requirement:** 365  
**Post-index enrollment requirement:** 0  
**Enrollment gap:** 45  
**Age groups:** 18-44, 45-64, 65-74, 75-84, 85+  
**Stratifications:** n/a  
**Envelope macro:** Reclassify encounters during inpatient stay as inpatient  
**Freeze data:** No

## Exposure

Scenario	Index Exposure	Cohort definition	Exclude			Principal diagnosis position	Create Baseline	Table?	Sensor treatment episode at evidence of:
			Incident exposure washout period	Incident w/ respect to:	evidence of days supply				
1	Any Valsartan Products	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to another antihypertensive
2	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to non-contaminated/branded valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive

Exposure									
Scenario	Index Exposure	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Exclude evidence of days supply	Care setting	Principal diagnosis position	Create Baseline Table?	Censor treatment episode at evidence of:
3	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive
4	Any Valsartan Products	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	No	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to another antihypertensive
5	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	No	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to non-contaminated/branded valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive

Exposure									
Scenario	Index Exposure	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Exclude evidence of days supply	Care setting	Principal diagnosis position	Create Baseline Table?	Censor treatment episode at evidence of:
6	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	No	Any care setting	n/a	Yes	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category; *Switch to another antihypertensive
7	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; (note: use plus programming to not censor on episode end date)
8	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)
9	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode

Exposure									
Scenario	Index Exposure	Cohort definition	Exclude			Principal diagnosis position	Create Baseline Table?	Censor treatment episode at evidence of:	
			Incident exposure washout period	Incident w/ respect to:	evidence of days supply				
10	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to unclassified valsartan category
11	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; (note: use plus programming to not censor on episode end date)
12	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)
13	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode

Exposure									
Scenario	Index Exposure	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Exclude evidence of days supply	Care setting	Principal diagnosis position	Create Baseline Table?	Censor treatment episode at evidence of:
14	Contaminated valsartan products (Contaminated or recalled)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to unclassified valsartan category
15	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)
16	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	0	n/a	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category
17	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category (note: use plus programming to not censor on episode end date)

Exposure									
Scenario	Index Exposure	Cohort definition	Incident exposure washout period	Incident w/ respect to:	Exclude evidence of days supply	Care setting	Principal diagnosis position	Create Baseline Table?	Censor treatment episode at evidence of:
18	Non-contaminated valsartan products (Non-contaminated or branded unclassified)	Include all valid exposure episodes during query period (cohort def 02 using plus programming)	365 (done via exclusion criteria)	All valsartan products	n/a	Any care setting	n/a	No	*Death; *Data Partner End Date; *Query End Date; *Disenrollment; *End of Episode; *Switch to contaminated/recalled valsartan category; *Switch to unclassified valsartan category
NDC codes are checked against First Data Bank's FDB MedKnowledge®.									

# Appendix G. Specifications Defining Type 5 Parameters Used in this Request

The Center for Drug Evaluation and Research (CDER) has requested execution of the Cohort Identification and Descriptive Analysis (CIDA) tool [11.3.0] to investigate the cumulative exposed days and cumulative exposed dose for valsartan products in the Sentinel Distributed Database (SDD), to inform the full analysis for cder\_mpl1p\_wp066.

Inclusion/Exclusion Criteria																
Episode		Current	Inclusion/			Principal			Exclude	Number						
Duration	Cumulative	Filled	Exclusion		Care	diagnosis	Evaluation	Evaluation	evidence of	of						
Category	Dose Category	Dose Category	group	Criteria	setting	position	period start	period end	days supply	instances						
									if	the						
									inclusion/	criteria						
									exclusion	should be						
									evaluation	found in	Minimum	Minimum	Minimum	Minimum	Maximum	
									period	evaluation	Days	cumulative	average	current	current	
									includes	period	Supplied	dose	daily dose	daily dose	daily dose	Forced supply to attach
									dispensings							to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	n/a	Cancer, Chemotherapy Radiation Exclusion Cancer Surgery		Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	n/a	n/a	n/a	n/a	n/a

Inclusion/Exclusion Criteria																
Episode		Current Filled	Inclusion/			Principal			Exclude evidence of	Number				Minimum	Maximum	
Duration	Cumulative	Daily	Exclusion/		Care	diagnosis	Evaluation	Evaluation	days supply	of	Minimum	Minimum	Minimum	current	current	Forced supply to attach
Category	Dose Category	Dose Category	group	Criteria	setting	position	period start	period end	if inclusion/exclusion evaluation period includes	the criteria should be found in evaluation period	Days Supplied	cumulative dose	average daily dose	daily dose	daily dose	to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value



Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/ Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months- 1 year, 1- 1.5 years, 1.5-2 years, 2+ years	<=7300, 7301- 14600, 14601- 29200, 29201- 43800, 43801- 58400, 58401- 116800, 116801- 175200, 175201- 233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																	
										Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end									
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	n/a	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode Duration	Cumulative Dose	Current Filled Daily Dose	Inclusion/Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode		Current Filled	Inclusion/		Care	Principal	Evaluation	Evaluation	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
Duration Category	Cumulative Dose Category	Daily Dose Category	Exclusion group	Criteria	setting	diagnosis position	period start	period end								
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/ Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months- 1 year, 1- 1.5 years, 1.5-2 years, 2+ years	<=7300, 7301- 14600, 14601- 29200, 29201- 43800, 43801- 58400, 58401- 116800, 116801- 175200, 175201- 233600, 233601+		Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value



Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/ Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months- 1 year, 1- 1.5 years, 1.5-2 years, 2+ years	<=7300, 7301- 14600, 14601- 29200, 29201- 43800, 43801- 58400, 58401- 116800, 116801- 175200, 175201- 233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/ Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months- 1 year, 1- 1.5 years, 1.5-2 years, 2+ years	<=7300, 7301- 14600, 14601- 29200, 29201- 43800, 43801- 58400, 58401- 116800, 116801- 175200, 175201- 233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/ Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months- 1 year, 1- 1.5 years, 1.5-2 years, 2+ years	<=7300, 7301- 14600, 14601- 29200, 29201- 43800, 43801- 58400, 58401- 116800, 116801- 175200, 175201- 233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric specified; Indicates a forced supply that should be attached to the NDC to replace the inclusion/exclusion code's RxSup value

Inclusion/Exclusion Criteria																
Episode		Current Filled	Inclusion/			Principal			Exclude	Number				Minimum	Maximum	
Duration	Cumulative	Daily	Exclusion/		Care	diagnosis	Evaluation	Evaluation	evidence of	of		Minimum	Minimum	Minimum	current	Maximum
Category	Dose Category	Dose Category	group	Criteria	setting	position	period start	period end	if	instances		Days	cumulative	average	daily	daily
									inclusion/	the		Supplied	dose	daily dose	dose	dose
									exclusion	criteria						
									evaluation	should be						
									period	found in						
									includes	evaluation						
									dispensings	period						
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	Categories to be output	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1		Numeric specified (MINRX DAYS)	Numeric and units specified	Numeric and units specified	Numeric and units specified	Numeric and units specified

Inclusion/Exclusion Criteria																
Episode		Current							Exclude	Number						
Duration	Cumulative	Filled	Inclusion/		Care	Principal	Evaluation	Evaluation	evidence of	of						
Category	Dose Category	Dose Category	Exclusion group	Criteria	setting	diagnosis position	period start	period end	inclusion/ exclusion/ evaluation period includes dispensings	instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	n/a	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	n/a	n/a	n/a	n/a	n/a

Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/ Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/ exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months- 1 year, 1- 1.5 years, 1.5-2 years, 2+ years	<=7300, 7301- 14600, 14601- 29200, 29201- 43800, 43801- 58400, 58401- 116800, 116801- 175200, 175201- 233600, 233601+	n/a	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	n/a	n/a	n/a	n/a	n/a

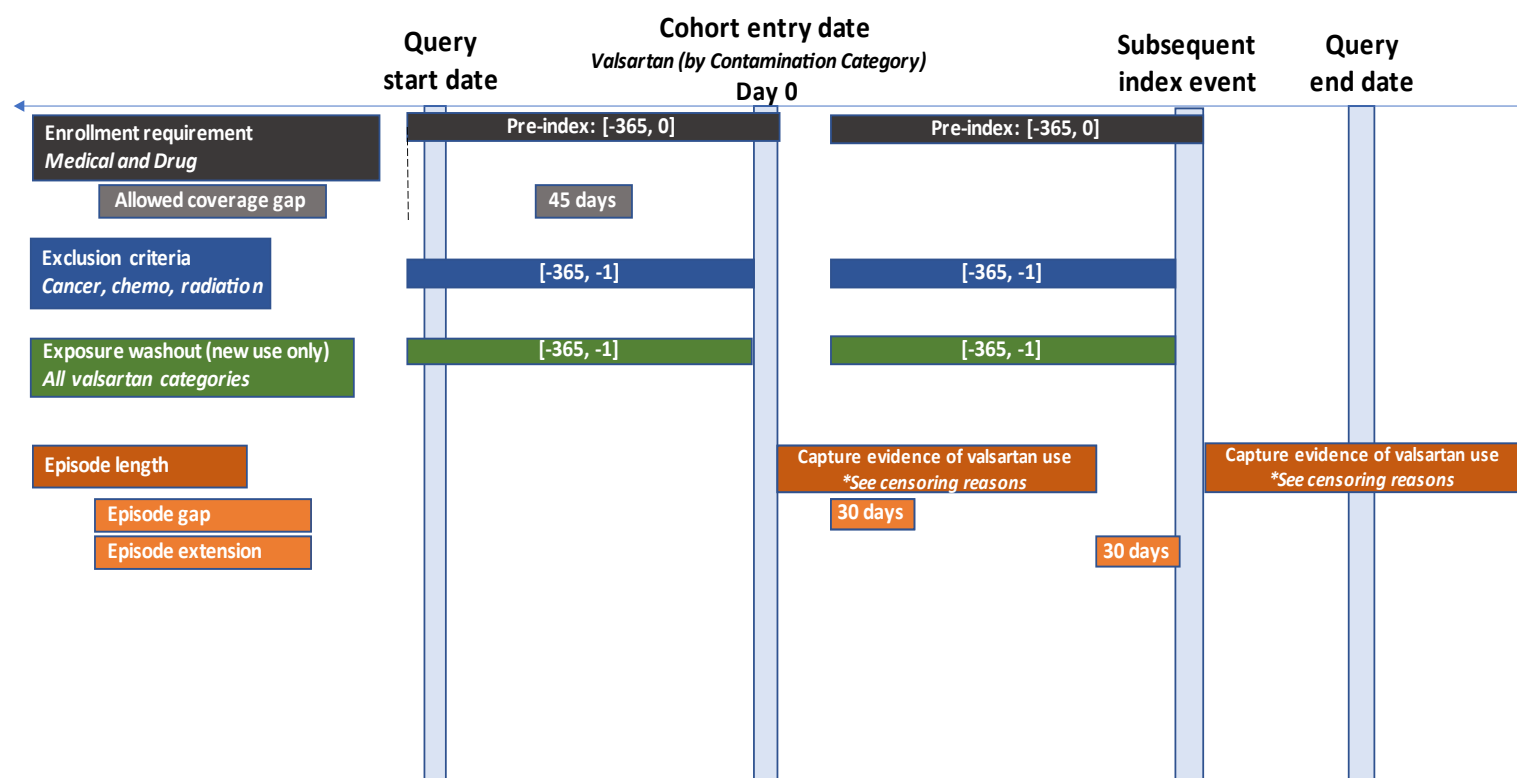
Inclusion/Exclusion Criteria																
Episode Duration Category	Cumulative Dose Category	Current Filled Daily Dose Category	Inclusion/Exclusion group	Criteria	Care setting	Principal diagnosis position	Evaluation period start	Evaluation period end	Exclude evidence of days supply if inclusion/exclusion evaluation period includes dispensings	Number of instances the criteria should be found in evaluation period	Minimum Days Supplied	Minimum cumulative dose	Minimum average daily dose	Minimum current daily dose	Maximum current daily dose	Forced supply to attach to dispensings
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	n/a	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	n/a	n/a	n/a	n/a	n/a

Inclusion/Exclusion Criteria																	
Episode		Current							Exclude	Number							
Duration	Cumulative	Filled	Inclusion/		Care	Principal	Evaluation	Evaluation	evidence of	of							
Category	Dose Category	Daily	Exclusion	Criteria	setting	diagnosis	period start	period end	if	instances							
		Dose	group			position			inclusion/	the	Minimum	Minimum	Minimum	Minimum	Maximum	Maximum	Forced supply to attach
		Category							exclusion	criteria	Days	cumulative	average	current	current		to attach
									evaluation	should be	Supplied	dose	daily dose	dose	dose		dispensings
									period	found in							
									includes	evaluation							
									dispensings	period							
0-3 months, 4-6 months, 6 months-1 year, 1-1.5 years, 1.5-2 years, 2+ years	<=7300, 7301-14600, 14601-29200, 29201-43800, 43801-58400, 58401-116800, 116801-175200, 175201-233600, 233601+	n/a	Cancer, Chemotherapy Radiation Cancer Surgery	Exclusion	Any	n/a	-365	-1	Evaluation period should search for evidence of days supply	1	n/a	n/a	n/a	n/a	n/a	n/a	n/a



## Appendix H. Design Diagram of Cohort Entry Requirements and Index Exposure

### Type 2 design diagram



#### \*Censoring Criteria

- 1) Death
- 2) Data Partner End Date
- 3) Query End Date
- 4) Disenrollment
- 5) End of Episode
- 6) Switch to another an hypertensive
- 7) Switch to another valsartan category