

## 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 program run(s).

If you are using a web page screen reader and are unable to access this document, please contact the Sentinel Operations Center for assistance at [info@sentinelssystem.org](mailto:info@sentinelssystem.org).

## Overview for Request cder\_mpl1p\_wp008\_nsdv\_v01, Report 2 of 4

**Request ID:** cder\_mpl1p\_wp008\_nsdv\_v01

**Request Description:** This report contains estimates of the number of new cancer diagnoses, among members with medical and drug coverage, and the length of their pre-diagnostic and post-diagnostic follow-up time within the Sentinel Distributed Database (SDD).

**Sentinel Modular Program Tool Used:** Cohort Identification and Descriptive Analysis (CIDA) tool, version 5.0.3, with additional ad hoc programming.

**Data Source:** Data from January 1, 2000 to August 31, 2017 from 16 Data Partners contributing to the SDD were included in this report. This request was distributed on March 29, 2018. See Appendix A for a list of the latest dates of available data for each Data Partner.

**Study Design:** This a descriptive analysis to identify exposures and follow-up time.

**Exposures of Interest:** The exposure of interest was defined as a diagnosis of new onset cancer, in any care setting, any of the following sites: anus, breast (male or female), cervix, colon, uterus, esophagus, kidney and renal pelvis, leukemia, liver and intrahepatic bile duct, lung and bronchus, melanoma, Non-Hodgkin's Lymphoma, other endocrine, pancreas, prostate, rectum, thyroid, or urinary bladder. These conditions were defined using International Classification of Diseases, Ninth and 10th Revisions, Clinical Modification (ICD-9-CM) and (ICD-10-CM) diagnosis codes. Please refer to Appendix B for specific codes.

**Cohort Eligibility Criteria:** Patients were required to be continuously enrolled in plans with medical and drug coverage for a minimum of 12 months (365 days) before the index date, during which gaps in coverage of up to 45 days were allowed. Only members with no prior diagnosis of the site-specific cancer within 12 months (365 days) prior to the diagnosis of interest were included (i.e., new onset cancer). For each member only the first qualifying (index) incident diagnosis per cancer-site, that occurred between January 1, 2000 to most recent available data, was examined. The following age groups were included in the cohort: 0-44, 45-64, 65+ years.

**Follow-Up Time:** Follow-up time was characterized both prior to and post the diagnosis of interest. Post-diagnostic follow-up time began on the date of diagnosis and continued until the first occurrence of any of the following: 1) disenrollment; 2) death; 3) the end of Data Partner data availability; or 4) the end of the query period. Pre-diagnostic follow-up time began at the member's start of enrollment until the diagnosis of interest date, allowing for up to 45 days of gap between enrollment periods. Both pre and post-diagnostic follow-up time was categorized into the non-mutually exclusive categories: >0, >1, >2, >3, >4 years.

**Limitations:** Algorithms to define exposures are imperfect and may be misclassified. Therefore, data should be interpreted with this limitation in mind.

**Please refer to Appendix C for specifications defining parameters in this request.**

**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-routinequerying-tool-documentation/browse>).

## Table of Contents

<b><u>Glossary</u></b>	List of Terms Found in this Report and their Definitions
<b><u>Table 1a.1</u></b>	Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group
<b><u>Table 1a.2</u></b>	Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group
<b><u>Table 1b.1</u></b>	Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group
<b><u>Table 1b.2</u></b>	Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group
<b><u>Table 2a.1</u></b>	Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group
<b><u>Table 2a.2</u></b>	Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group
<b><u>Table 2b.1</u></b>	Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group
<b><u>Table 2b.2</u></b>	Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group
<b><u>Table 3a.1</u></b>	Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group
<b><u>Table 3a.2</u></b>	Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group
<b><u>Table 3b.1</u></b>	Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group
<b><u>Table 3b.2</u></b>	Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group
<b><u>Table 4</u></b>	Pre-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site
<b><u>Table 5</u></b>	Post-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site
<b><u>Table 6a</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Any Cancer Site in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6b</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Anal Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6c</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Female Breast Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6d</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Male Breast Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6e</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Cervical Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6f</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Colon Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6g</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Endometrial Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017

## Table of Contents

<b><u>Table 6h</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Esophageal Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6i</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Kidney and Pelvic Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6j</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Leukemia in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6k</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Liver and Intrahepatic Bile Duct Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6l</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Lung and Bronchus Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6m</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Melanoma in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6n</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Non-Hodgkin's Lymphoma in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6o</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Other Endocrine Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6p</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Pancreatic Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6q</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Prostate Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6r</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Rectal Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6s</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Thyroid Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Table 6t</u></b>	Counts of Patients by Pre and Post Index Follow-up Time for Urinary Bladder Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017
<b><u>Appendix A</u></b>	Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (March 29, 2018)
<b><u>Appendix B</u></b>	List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Request
<b><u>Appendix C</u></b>	Specifications Defining Parameters Used in this Request

**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.

**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 1a.1. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Number of data partners	8	9	9	9	10	10	11	12	15
<b>Any Cancer Site</b>									
Younger than 45	2	6,926	6,945	7,508	7,853	7,047	12,064	19,607	18,744
45-64	6	17,194	16,020	16,104	15,978	17,351	18,944	59,840	60,111
65 and older	16	22,862	19,401	19,320	18,279	20,149	15,197	48,509	64,081
All Ages <sup>2</sup>	24	46,982	42,366	42,932	42,110	44,547	46,205	127,956	142,936
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0	51	52	45	28	57	33	186	171
45-64	0	151	175	183	174	206	198	780	794
65 and older	1	174	173	174	137	199	136	514	747
All Ages	1	376	400	402	339	462	367	1,480	1,712
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	1	1,499	1,662	2,125	2,501	2,260	7,273	4,313	4,723
45-64	1	5,138	4,717	4,605	4,749	5,142	6,466	14,835	16,723
65 and older	3	5,601	4,608	4,513	4,028	4,511	2,959	10,364	13,012
All Ages	5	12,238	10,987	11,243	11,278	11,913	16,698	29,512	34,458
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0	20	19	18	6	11	9	52	45
45-64	0	44	43	49	50	42	51	176	180
65 and older	0	51	80	66	59	46	54	182	256
All Ages	0	115	142	133	115	99	114	410	481
<b>Cervix</b>									
Younger than 45	0	416	417	350	343	322	355	837	832
45-64	1	406	356	382	434	481	441	1,299	1,326
65 and older	0	224	259	205	207	212	163	567	846
All Ages	1	1,046	1,032	937	984	1,015	959	2,703	3,004

**Table 1a.1. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Colon</b>									
Younger than 45	1	445	539	706	1,024	888	791	1,542	2,197
45-64	0	1,684	1,718	1,766	2,021	2,099	2,031	6,165	8,275
65 and older	3	3,299	3,141	3,108	3,077	3,320	2,276	7,031	9,640
All Ages	4	5,428	5,398	5,580	6,122	6,307	5,098	14,738	20,112
<b>Uterus</b>									
Younger than 45	0	216	217	204	321	244	250	627	612
45-64	0	781	715	689	788	931	881	2,658	2,816
65 and older	0	676	665	608	649	743	609	1,703	2,219
All Ages	0	1,673	1,597	1,501	1,758	1,918	1,740	4,988	5,647
<b>Esophagus</b>									
Younger than 45	0	118	119	244	186	162	331	380	289
45-64	0	289	315	431	362	391	528	1,081	1,188
65 and older	0	391	423	406	499	507	326	879	1,394
All Ages	0	798	857	1,081	1,047	1,060	1,185	2,340	2,871
<b>Kidney and Pelvis</b>									
Younger than 45	0	266	281	391	340	354	397	1,322	838
45-64	0	611	690	752	774	950	996	4,086	3,010
65 and older	0	861	787	874	936	1,087	766	2,657	3,431
All Ages	0	1,738	1,758	2,017	2,050	2,391	2,159	8,065	7,279
<b>Leukemia</b>									
Younger than 45	0	768	821	818	990	873	1,015	2,235	2,624
45-64	0	923	917	986	1,198	1,129	1,181	3,383	4,627
65 and older	1	1,373	1,429	1,406	1,411	1,414	911	2,961	4,092
All Ages	1	3,064	3,167	3,210	3,599	3,416	3,107	8,579	11,343
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0	79	84	72	59	110	88	338	260
45-64	0	296	349	357	418	478	446	1,399	1,459
65 and older	1	400	401	413	468	493	396	1,087	1,578
All Ages	1	775	834	842	945	1,081	930	2,824	3,297



**Table 1a.1. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Lung and Bronchus</b>									
Younger than 45	0	594	790	1,155	1,545	1,428	1,641	3,327	2,114
45-64	4	2,384	2,602	2,824	3,026	3,075	3,350	10,024	8,230
65 and older	4	4,100	4,220	4,330	4,472	4,810	3,122	8,822	12,034
All Ages	8	7,078	7,612	8,309	9,043	9,313	8,113	22,173	22,378
<b>Melanoma</b>									
Younger than 45	1	800	772	699	749	732	628	2,708	2,485
45-64	1	1,535	1,435	1,477	1,397	1,750	1,626	6,365	6,519
65 and older	0	1,297	1,339	1,374	1,376	1,556	1,139	4,388	6,378
All Ages	2	3,632	3,546	3,550	3,522	4,038	3,393	13,461	15,382
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	0	1,028	1,087	1,237	1,476	1,397	1,472	3,051	3,028
45-64	0	1,340	1,503	1,509	1,879	1,836	1,931	4,999	5,507
65 and older	1	1,702	1,802	1,680	1,745	1,692	1,202	3,876	5,500
All Ages	1	4,070	4,392	4,426	5,100	4,925	4,605	11,926	14,035
<b>Other Endocrine</b>									
Younger than 45	0	194	148	180	170	184	142	631	638
45-64	0	246	179	191	181	232	182	942	1,071
65 and older	0	121	128	124	180	228	131	487	893
All Ages	0	561	455	495	531	644	455	2,060	2,602
<b>Pancreas</b>									
Younger than 45	1	110	88	190	329	409	469	491	402
45-64	0	325	387	475	604	703	702	1,687	1,787
65 and older	1	695	709	749	802	925	717	1,932	2,794
All Ages	2	1,130	1,184	1,414	1,735	2,037	1,888	4,110	4,983
<b>Prostate<sup>4</sup></b>									
Younger than 45	0	541	639	851	1,105	794	825	1,590	1,235
45-64	0	2,782	2,669	2,933	3,130	3,048	3,354	11,520	11,208
65 and older	3	6,198	5,049	5,059	4,455	4,487	3,873	12,527	16,520
All Ages	3	9,521	8,357	8,843	8,690	8,329	8,052	25,637	28,963

**Table 1a.1. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Rectum</b>									
Younger than 45	0	238	269	289	436	484	543	908	800
45-64	0	1,035	948	976	1,140	1,200	1,058	3,905	3,997
65 and older	0	1,714	1,570	1,536	1,515	1,488	1,000	3,901	5,145
All Ages	0	2,987	2,787	2,801	3,091	3,172	2,601	8,714	9,942
<b>Thyroid</b>									
Younger than 45	0	386	381	367	430	539	482	1,614	1,506
45-64	0	498	429	524	537	733	670	2,420	2,500
65 and older	0	220	255	267	327	344	246	810	1,187
All Ages	0	1,104	1,065	1,158	1,294	1,616	1,398	4,844	5,193
<b>Urinary Bladder</b>									
Younger than 45	0	234	258	346	390	350	387	689	619
45-64	0	842	749	816	867	897	994	2,966	2,898
65 and older	0	1,826	1,687	1,589	1,603	1,673	1,372	4,532	5,735
All Ages	0	2,902	2,694	2,751	2,860	2,920	2,753	8,187	9,252

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 1a.2. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
Number of data partners	15	15	15	16	16	16	15	13	11
<b>Any Cancer Site</b>									
Younger than 45	34,115	30,560	27,445	25,263	25,441	25,047	25,700	22,672	9,854
45-64	113,907	101,787	97,457	89,940	93,784	93,786	98,352	93,641	44,497
65 and older	101,767	91,383	90,741	89,944	94,714	99,408	105,019	104,909	57,679
All Ages <sup>2</sup>	249,789	223,730	215,643	205,147	213,939	218,241	229,071	221,222	112,030
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	270	282	223	231	207	199	206	187	75
45-64	1,516	1,453	1,331	1,325	1,348	1,436	1,383	1,136	566
65 and older	1,225	1,201	1,098	1,133	1,165	1,178	1,241	1,063	613
All Ages	3,011	2,936	2,652	2,689	2,720	2,813	2,830	2,386	1,254
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	7,025	6,535	6,033	5,434	5,696	5,816	5,723	4,928	2,281
45-64	28,813	25,006	24,012	22,199	23,732	23,364	24,488	22,680	10,465
65 and older	19,874	17,488	16,795	16,738	17,692	18,640	19,310	18,443	9,961
All Ages	55,712	49,029	46,840	44,371	47,120	47,820	49,521	46,051	22,707
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	141	132	96	107	94	94	112	125	46
45-64	402	390	401	352	411	372	423	511	240
65 and older	357	372	409	380	470	410	492	494	253
All Ages	900	894	906	839	975	876	1,027	1,130	539
<b>Cervix</b>									
Younger than 45	1,742	1,602	1,384	1,295	1,237	1,262	1,300	1,260	473
45-64	2,794	2,462	2,258	2,167	2,162	2,090	2,264	2,059	911
65 and older	1,281	1,320	1,331	1,362	1,410	1,380	1,419	1,325	731
All Ages	5,817	5,384	4,973	4,824	4,809	4,732	4,983	4,644	2,115

**Table 1a.2. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Colon</b>									
Younger than 45	2,057	1,916	1,717	1,579	1,534	1,586	1,634	1,519	628
45-64	11,386	10,114	9,253	8,858	9,075	9,270	9,661	9,318	4,401
65 and older	14,412	12,866	12,685	12,380	12,928	13,201	13,503	13,511	7,406
All Ages	27,855	24,896	23,655	22,817	23,537	24,057	24,798	24,348	12,435
<b>Uterus</b>									
Younger than 45	1,149	1,048	900	817	885	889	876	870	370
45-64	5,216	4,948	4,898	4,608	4,826	4,918	5,187	5,063	2,515
65 and older	3,379	3,274	3,353	3,414	3,654	4,098	4,069	4,525	2,291
All Ages	9,744	9,270	9,151	8,839	9,365	9,905	10,132	10,458	5,176
<b>Esophagus</b>									
Younger than 45	363	484	242	217	239	224	234	172	67
45-64	1,860	2,000	1,675	1,492	1,583	1,524	1,725	1,515	695
65 and older	2,060	2,103	2,063	2,049	2,083	2,334	2,815	2,623	1,337
All Ages	4,283	4,587	3,980	3,758	3,905	4,082	4,774	4,310	2,099
<b>Kidney and Pelvis</b>									
Younger than 45	1,434	1,169	1,040	910	964	983	1,062	996	417
45-64	5,769	4,866	4,587	4,452	4,398	4,516	5,024	5,166	2,338
65 and older	5,355	5,072	5,263	5,392	5,545	5,899	6,404	6,657	3,564
All Ages	12,558	11,107	10,890	10,754	10,907	11,398	12,490	12,819	6,319
<b>Leukemia</b>									
Younger than 45	3,465	3,297	2,894	2,623	2,537	2,412	2,384	1,846	768
45-64	5,755	5,574	5,379	4,790	4,892	4,704	4,876	4,240	1,969
65 and older	6,128	6,062	6,289	6,290	6,493	6,805	6,974	6,504	3,515
All Ages	15,348	14,933	14,562	13,703	13,922	13,921	14,234	12,590	6,252
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	621	582	490	434	488	553	497	184	75
45-64	3,064	2,991	2,945	2,845	3,205	3,552	3,058	1,499	697
65 and older	2,578	2,690	2,825	3,019	3,185	3,588	3,401	2,045	1,149
All Ages	6,263	6,263	6,260	6,298	6,878	7,693	6,956	3,728	1,921

**Table 1a.2. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Lung and Bronchus</b>									
Younger than 45	1,872	1,860	1,403	1,058	1,031	982	1,064	1,021	428
45-64	12,035	11,228	10,373	9,658	9,638	9,958	10,243	10,149	4,775
65 and older	18,567	18,036	18,204	18,527	19,915	20,630	21,626	21,886	12,204
All Ages	32,474	31,124	29,980	29,243	30,584	31,570	32,933	33,056	17,407
<b>Melanoma</b>									
Younger than 45	5,749	5,035	4,513	4,255	4,304	4,168	4,256	4,214	1,851
45-64	14,061	13,382	12,804	12,290	13,077	13,112	14,131	14,480	6,780
65 and older	10,960	10,662	11,053	10,884	11,992	13,163	14,249	14,700	7,735
All Ages	30,770	29,079	28,370	27,429	29,373	30,443	32,636	33,394	16,366
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	5,200	4,870	4,275	3,838	3,663	3,497	3,796	2,943	1,202
45-64	9,973	9,263	8,555	7,799	8,043	8,181	8,339	7,110	3,269
65 and older	8,740	8,538	8,632	8,461	8,869	9,386	9,744	8,915	4,950
All Ages	23,913	22,671	21,462	20,098	20,575	21,064	21,879	18,968	9,421
<b>Other Endocrine</b>									
Younger than 45	1,462	1,211	1,073	925	868	778	766	583	211
45-64	1,957	1,801	1,564	1,450	1,326	1,310	1,276	1,104	409
65 and older	1,337	1,207	1,120	998	1,026	1,021	980	999	453
All Ages	4,756	4,219	3,757	3,373	3,220	3,109	3,022	2,686	1,073
<b>Pancreas</b>									
Younger than 45	541	563	522	428	404	401	416	413	182
45-64	3,151	3,017	2,961	2,788	2,916	2,877	2,967	2,980	1,386
65 and older	4,212	4,238	4,488	4,495	4,867	4,991	5,378	5,295	2,959
All Ages	7,904	7,818	7,971	7,711	8,187	8,269	8,761	8,688	4,527
<b>Prostate<sup>4</sup></b>									
Younger than 45	1,537	1,462	1,075	844	736	629	598	539	250
45-64	21,143	18,895	18,140	14,954	15,143	14,219	15,175	15,231	7,695
65 and older	25,862	22,847	22,320	20,257	20,636	20,454	22,193	22,997	12,996
All Ages	48,542	43,204	41,535	36,055	36,515	35,302	37,966	38,767	20,941

**Table 1a.2. Annual Number of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Rectum</b>									
Younger than 45	1,161	1,058	868	806	793	799	791	698	360
45-64	6,756	5,829	5,049	4,504	4,664	4,658	4,865	4,460	2,129
65 and older	7,707	6,682	5,550	5,251	5,134	5,256	5,196	4,729	2,701
All Ages	15,624	13,569	11,467	10,561	10,591	10,713	10,852	9,887	5,190
<b>Thyroid</b>									
Younger than 45	3,476	3,131	2,882	2,794	2,993	2,931	3,123	2,935	1,280
45-64	5,509	4,975	4,712	4,517	4,831	4,770	4,829	4,725	2,191
65 and older	1,829	1,890	1,852	1,916	2,054	2,258	2,303	2,311	1,251
All Ages	10,814	9,996	9,446	9,227	9,878	9,959	10,255	9,971	4,722
<b>Urinary Bladder</b>									
Younger than 45	993	882	787	663	650	631	670	563	231
45-64	5,435	5,064	4,555	4,129	4,228	4,197	4,194	3,864	1,840
65 and older	9,213	8,668	8,664	8,698	9,204	9,552	9,734	9,404	5,086
All Ages	15,641	14,614	14,006	13,490	14,082	14,380	14,598	13,831	7,157

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 1b.1. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
Number of data partners	8	9	9	9	10	10	11	12	15
<b>Any Cancer Site</b>									
Younger than 45	0	17.2	17.1	18.7	18	16.6	27.8	17.7	8.3
45-64	0	108.6	98.5	96.5	83.9	90.7	99.6	112.5	55.1
65 and older	0.3	321.8	268.7	260	230.6	255.9	228	303.2	189.3
All Ages <sup>2</sup>	0	75.9	67.4	68.2	60.7	65.4	68.3	72.5	39.2
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
45-64	0	0.9	1.1	1.1	0.9	1	1	1.4	0.7
65 and older	0	2.3	2.2	2.2	1.6	2.3	1.8	2.9	2
All Ages	0	0.6	0.6	0.6	0.5	0.7	0.5	0.8	0.5
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	0	3.7	4.1	5.3	5.7	5.3	16.7	3.9	2.1
45-64	0	32.1	28.6	27.1	24.4	26.3	33.2	27.4	15
65 and older	0	76	60.9	57.4	47.6	53.3	40.9	60.1	35.3
All Ages	0	19.6	17.3	17.6	16	17.2	24.3	16.5	9.3
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0	0	0	0	0	0	0	0	0
45-64	0	0.3	0.3	0.3	0.3	0.2	0.3	0.3	0.2
65 and older	0	0.7	1	0.8	0.7	0.5	0.7	1	0.7
All Ages	0	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.1
<b>Cervix</b>									
Younger than 45	0	1	1	0.9	0.8	0.8	0.8	0.8	0.4
45-64	0	2.5	2.1	2.2	2.2	2.4	2.2	2.4	1.2
65 and older	0	3	3.4	2.6	2.4	2.4	2.2	3.2	2.2
All Ages	0	1.7	1.6	1.5	1.4	1.5	1.4	1.5	0.8

**Table 1b.1. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Colon</b>									
Younger than 45	0	1.1	1.3	1.8	2.3	2.1	1.8	1.4	1
45-64	0	10.5	10.3	10.3	10.3	10.6	10.3	11.3	7.3
65 and older	0	44.3	41	39	35.8	38.6	30.9	40.1	25.7
All Ages	0	8.7	8.5	8.7	8.7	9.1	7.4	8.2	5.4
<b>Uterus</b>									
Younger than 45	0	0.5	0.5	0.5	0.7	0.6	0.6	0.6	0.3
45-64	0	4.8	4.3	4	4	4.7	4.5	4.9	2.5
65 and older	0	9.1	8.6	7.6	7.5	8.6	8.2	9.6	5.9
All Ages	0	2.7	2.5	2.3	2.5	2.8	2.5	2.8	1.5
<b>Esophagus</b>									
Younger than 45	0	0.3	0.3	0.6	0.4	0.4	0.8	0.3	0.1
45-64	0	1.8	1.9	2.5	1.8	2	2.7	2	1.1
65 and older	0	5.2	5.5	5.1	5.8	5.8	4.4	5	3.7
All Ages	0	1.3	1.3	1.7	1.5	1.5	1.7	1.3	0.8
<b>Kidney and Pelvis</b>									
Younger than 45	0	0.7	0.7	1	0.8	0.8	0.9	1.2	0.4
45-64	0	3.8	4.1	4.4	3.9	4.8	5.1	7.5	2.7
65 and older	0	11.5	10.2	10.9	10.8	12.5	10.3	15	9.1
All Ages	0	2.8	2.8	3.1	2.9	3.4	3.1	4.5	1.9
<b>Leukemia</b>									
Younger than 45	0	1.9	2	2	2.3	2	2.3	2	1.2
45-64	0	5.7	5.5	5.8	6.1	5.7	6	6.2	4.1
65 and older	0	18.4	18.6	17.6	16.3	16.3	12.3	16.8	10.9
All Ages	0	4.9	5	5	5.1	4.9	4.5	4.8	3
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0	0.2	0.2	0.2	0.1	0.3	0.2	0.3	0.1
45-64	0	1.8	2.1	2.1	2.1	2.4	2.3	2.6	1.3
65 and older	0	5.4	5.2	5.1	5.4	5.7	5.3	6.1	4.2
All Ages	0	1.2	1.3	1.3	1.3	1.5	1.3	1.6	0.9



**Table 1b.1. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Lung and Bronchus</b>									
Younger than 45	0	1.5	1.9	2.9	3.5	3.3	3.8	3	0.9
45-64	0	14.8	15.7	16.5	15.4	15.6	17.1	18.3	7.3
65 and older	0.1	55.1	55.1	54.3	52	55.8	42.3	50.2	32.1
All Ages	0	11.3	12	13	12.8	13.4	11.7	12.3	6
<b>Melanoma</b>									
Younger than 45	0	2	1.9	1.7	1.7	1.7	1.4	2.4	1.1
45-64	0	9.5	8.6	8.6	7.1	8.9	8.3	11.6	5.8
65 and older	0	17.4	17.4	17.2	15.9	18	15.4	24.9	17
All Ages	0	5.8	5.6	5.5	5	5.8	4.9	7.5	4.1
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	0	2.6	2.7	3.1	3.4	3.3	3.4	2.7	1.3
45-64	0	8.3	9	8.8	9.6	9.3	9.8	9.1	4.9
65 and older	0	22.8	23.5	21	20.2	19.6	16.3	22	14.6
All Ages	0	6.5	6.9	6.9	7.2	7.1	6.7	6.6	3.8
<b>Other Endocrine</b>									
Younger than 45	0	0.5	0.4	0.4	0.4	0.4	0.3	0.6	0.3
45-64	0	1.5	1.1	1.1	0.9	1.2	0.9	1.7	0.9
65 and older	0	1.6	1.7	1.5	2.1	2.6	1.8	2.7	2.4
All Ages	0	0.9	0.7	0.8	0.7	0.9	0.7	1.1	0.7
<b>Pancreas</b>									
Younger than 45	0	0.3	0.2	0.5	0.7	1	1.1	0.4	0.2
45-64	0	2	2.3	2.8	3.1	3.6	3.6	3.1	1.6
65 and older	0	9.3	9.2	9.3	9.3	10.6	9.6	10.9	7.4
All Ages	0	1.8	1.9	2.2	2.4	2.9	2.7	2.3	1.3
<b>Prostate<sup>4</sup></b>									
Younger than 45	0	1.3	1.6	2.1	2.5	1.9	1.9	1.4	0.5
45-64	0	17.3	16.1	17.2	16	15.5	17.1	21.1	10
65 and older	0	84.2	66.8	64.4	52.7	53.1	53.7	73	45.3
All Ages	0	15.2	13.1	13.8	12.3	12	11.7	14.3	7.8

**Table 1b.1. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Rectum</b>									
Younger than 45	0	0.6	0.7	0.7	1	1.1	1.2	0.8	0.4
45-64	0	6.4	5.7	5.7	5.8	6.1	5.4	7.1	3.5
65 and older	0	23	20.4	19.2	17.6	17.2	13.5	22.1	13.7
All Ages	0	4.8	4.4	4.4	4.4	4.6	3.8	4.8	2.7
<b>Thyroid</b>									
Younger than 45	0	1	0.9	0.9	1	1.3	1.1	1.4	0.7
45-64	0	3.1	2.6	3.1	2.7	3.7	3.4	4.4	2.2
65 and older	0	2.9	3.3	3.3	3.8	4	3.3	4.6	3.1
All Ages	0	1.8	1.7	1.8	1.8	2.3	2	2.7	1.4
<b>Urinary Bladder</b>									
Younger than 45	0	0.6	0.6	0.9	0.9	0.8	0.9	0.6	0.3
45-64	0	5.2	4.5	4.8	4.4	4.5	5.1	5.4	2.6
65 and older	0	24.5	22	19.9	18.6	19.4	18.5	25.8	15.3
All Ages	0	4.6	4.2	4.3	4	4.2	4	4.5	2.5

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 1b.2. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
Number of data partners	15	15	15	16	16	16	15	13	11
<b>Any Cancer Site</b>									
Younger than 45	14.8	14	13.1	11.1	12.1	11.6	11.6	9.1	5.4
45-64	101.6	93.9	91.7	78.8	87.8	85.1	86.1	72.2	44.1
65 and older	296.3	270.7	260.9	214.1	237.5	230.2	229	201.3	130.2
All Ages <sup>2</sup>	67.4	63.2	62.6	54.4	61.1	60.3	61.2	52.3	34.7
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
45-64	1.3	1.3	1.2	1.1	1.2	1.3	1.2	0.8	0.5
65 and older	3.2	3.2	2.8	2.4	2.6	2.4	2.4	1.8	1.2
All Ages	0.8	0.8	0.7	0.7	0.8	0.8	0.7	0.5	0.4
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	3	3	2.9	2.4	2.7	2.7	2.6	2	1.3
45-64	25.2	22.5	22	18.9	21.6	20.6	20.8	17	10.1
65 and older	53.4	47.4	43.9	36.1	40.1	39	38.1	32.1	20.2
All Ages	14.8	13.6	13.3	11.5	13.2	12.9	12.9	10.6	6.8
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0.1	0.1	0	0	0	0	0.1	0.1	0
45-64	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.2
65 and older	0.9	1	1	0.8	1	0.8	0.9	0.8	0.5
All Ages	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.3	0.2
<b>Cervix</b>									
Younger than 45	0.8	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.3
45-64	2.4	2.2	2	1.8	1.9	1.8	1.9	1.5	0.9
65 and older	3.4	3.5	3.4	2.9	3.1	2.8	2.7	2.2	1.4
All Ages	1.5	1.5	1.4	1.2	1.3	1.3	1.3	1.1	0.6

**Table 1b.2. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Colon</b>									
Younger than 45	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.6	0.3
45-64	9.9	9	8.4	7.5	8.2	8.1	8.1	6.9	4.2
65 and older	38.2	34.3	32.6	26.3	28.8	27.2	26.2	23.1	14.7
All Ages	7.4	6.9	6.7	5.9	6.5	6.5	6.4	5.6	3.7
<b>Uterus</b>									
Younger than 45	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.2
45-64	4.5	4.4	4.4	3.9	4.3	4.3	4.4	3.8	2.4
65 and older	8.9	8.7	8.6	7.2	8.1	8.4	7.8	7.7	4.5
All Ages	2.6	2.6	2.6	2.3	2.6	2.7	2.6	2.4	1.5
<b>Esophagus</b>									
Younger than 45	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0
45-64	1.6	1.8	1.5	1.3	1.4	1.3	1.4	1.1	0.7
65 and older	5.4	5.6	5.2	4.3	4.6	4.8	5.4	4.4	2.6
All Ages	1.1	1.3	1.1	1	1.1	1.1	1.2	1	0.6
<b>Kidney and Pelvis</b>									
Younger than 45	0.6	0.5	0.5	0.4	0.5	0.5	0.5	0.4	0.2
45-64	5	4.3	4.2	3.8	4	3.9	4.2	3.8	2.2
65 and older	14.1	13.4	13.4	11.4	12.3	12.1	12.3	11.3	7
All Ages	3.3	3.1	3.1	2.8	3	3.1	3.2	2.9	1.9
<b>Leukemia</b>									
Younger than 45	1.5	1.5	1.4	1.1	1.2	1.1	1.1	0.7	0.4
45-64	5	5	4.9	4	4.4	4.1	4.1	3.1	1.9
65 and older	16.2	16.1	16.1	13.3	14.4	13.9	13.4	11.1	7
All Ages	4.1	4.1	4.1	3.5	3.9	3.7	3.7	2.9	1.9
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0.3	0.3	0.2	0.2	0.2	0.3	0.2	0.1	0
45-64	2.6	2.7	2.7	2.4	2.9	3.1	2.6	1.1	0.7
65 and older	6.8	7.1	7.2	6.3	7	7.3	6.5	3.5	2.3
All Ages	1.7	1.7	1.8	1.6	1.9	2.1	1.8	0.9	0.6

**Table 1b.2. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Lung and Bronchus</b>									
Younger than 45	0.8	0.8	0.7	0.5	0.5	0.5	0.5	0.4	0.2
45-64	10.4	10	9.4	8.1	8.7	8.7	8.6	7.5	4.5
65 and older	49.1	48	46.7	39.3	44.3	42.4	41.8	37.3	24.2
All Ages	8.6	8.6	8.5	7.5	8.5	8.5	8.5	7.6	5.2
<b>Melanoma</b>									
Younger than 45	2.5	2.3	2.1	1.9	2	1.9	1.9	1.7	1
45-64	12.2	12	11.6	10.4	11.8	11.5	11.9	10.8	6.5
65 and older	28.9	28.3	28.3	23.1	26.7	27.1	27.6	25.1	15.4
All Ages	8.1	8	8	7.1	8.2	8.2	8.5	7.7	4.9
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	2.2	2.2	2	1.7	1.7	1.6	1.7	1.2	0.7
45-64	8.6	8.3	7.8	6.6	7.2	7.1	7	5.3	3.1
65 and older	23.1	22.7	22.1	17.9	19.7	19.3	18.8	15.2	9.8
All Ages	6.3	6.3	6.1	5.2	5.7	5.7	5.7	4.4	2.8
<b>Other Endocrine</b>									
Younger than 45	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.2	0.1
45-64	1.7	1.6	1.4	1.2	1.2	1.1	1.1	0.8	0.4
65 and older	3.5	3.2	2.8	2.1	2.3	2.1	1.9	1.7	0.9
All Ages	1.3	1.2	1.1	0.9	0.9	0.8	0.8	0.6	0.3
<b>Pancreas</b>									
Younger than 45	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1
45-64	2.7	2.7	2.7	2.3	2.6	2.5	2.5	2.2	1.3
65 and older	11.1	11.2	11.4	9.4	10.7	10.2	10.3	9	5.8
All Ages	2.1	2.2	2.3	2	2.3	2.2	2.3	2	1.4
<b>Prostate<sup>4</sup></b>									
Younger than 45	0.7	0.7	0.5	0.4	0.3	0.3	0.3	0.2	0.1
45-64	18.4	16.9	16.5	12.7	13.7	12.5	12.8	11.3	7.3
65 and older	70.2	62.6	58.9	44.2	47.2	43.2	44.1	40.3	26.6
All Ages	12.9	12	11.8	9.3	10.2	9.5	9.9	8.9	6.3

**Table 1b.2. Annual Rate Per 10,000 Eligible Members of New Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Rectum</b>									
Younger than 45	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.2
45-64	5.8	5.2	4.6	3.8	4.2	4.1	4.1	3.3	2
65 and older	20.3	17.7	14.2	11.1	11.4	10.7	10	8	5.3
All Ages	4.1	3.7	3.2	2.7	2.9	2.9	2.8	2.3	1.6
<b>Thyroid</b>									
Younger than 45	1.5	1.4	1.4	1.2	1.4	1.4	1.4	1.2	0.7
45-64	4.8	4.4	4.3	3.8	4.4	4.2	4.1	3.5	2.1
65 and older	4.8	5	4.7	4	4.5	4.6	4.4	3.9	2.5
All Ages	2.9	2.8	2.7	2.4	2.7	2.7	2.7	2.3	1.4
<b>Urinary Bladder</b>									
Younger than 45	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1
45-64	4.7	4.5	4.1	3.5	3.8	3.7	3.5	2.9	1.7
65 and older	24.4	23.1	22.2	18.4	20.5	19.6	18.8	16	10.1
All Ages	4.1	4	4	3.5	3.9	3.9	3.8	3.2	2.1

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 2a.1. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Any Cancer Site</b>									
Younger than 45	0	2,306	2,304	2,460	2,654	2,499	5,316	7,037	6,674
45-64	2	7,397	6,957	7,154	7,156	7,614	8,548	27,480	27,729
65 and older	5	11,699	9,762	9,706	9,289	9,779	8,077	24,955	33,234
All Ages <sup>2</sup>	7	21,402	19,023	19,320	19,099	19,892	21,941	59,472	67,637
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0	25	26	23	14	32	20	92	72
45-64	0	83	94	83	82	91	82	378	395
65 and older	0	70	79	74	66	101	58	234	352
All Ages	0	178	199	180	162	224	160	704	819
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	0	224	320	460	593	535	3,403	552	772
45-64	0	293	324	406	556	490	1,172	754	1,555
65 and older	0	460	484	410	375	325	115	250	471
All Ages	0	977	1,128	1,276	1,524	1,350	4,690	1,556	2,798
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0	13	12	7	1	7	7	42	34
45-64	0	28	27	42	40	28	39	146	137
65 and older	0	45	68	55	49	42	45	163	217
All Ages	0	86	107	104	90	77	91	351	388
<b>Cervix</b>									
Younger than 45	0	10	14	9	4	10	7	10	10
45-64	0	16	15	20	8	12	17	22	37
65 and older	0	12	31	14	13	11	4	17	33
All Ages	0	38	60	43	25	33	28	49	80

**Table 2a.1. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Colon</b>									
Younger than 45	0	188	211	242	362	325	289	674	958
45-64	0	868	891	848	971	1,018	971	3,104	4,010
65 and older	0	1,534	1,369	1,424	1,419	1,473	1,081	3,383	4,512
All Ages	0	2,590	2,471	2,514	2,752	2,816	2,341	7,161	9,480
<b>Uterus</b>									
Younger than 45	0	18	25	18	45	36	29	47	47
45-64	0	27	17	19	55	30	29	64	105
65 and older	0	45	48	23	41	28	12	40	62
All Ages	0	90	90	60	141	94	70	151	214
<b>Esophagus</b>									
Younger than 45	0	49	47	77	72	76	182	175	149
45-64	0	207	204	273	230	246	291	712	811
65 and older	0	248	250	258	305	323	234	604	910
All Ages	0	504	501	608	607	645	707	1,491	1,870
<b>Kidney and Pelvis</b>									
Younger than 45	0	123	123	147	142	155	172	606	376
45-64	0	341	393	376	447	536	542	2,244	1,731
65 and older	0	471	432	470	501	561	465	1,619	2,030
All Ages	0	935	948	993	1,090	1,252	1,179	4,469	4,137
<b>Leukemia</b>									
Younger than 45	0	328	344	345	406	366	383	1,025	1,258
45-64	0	450	449	451	564	544	580	1,709	2,232
65 and older	0	680	669	666	668	676	488	1,566	2,112
All Ages	0	1,458	1,462	1,462	1,638	1,586	1,451	4,300	5,602
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0	40	46	32	29	40	49	138	129
45-64	0	187	220	211	289	303	287	832	866
65 and older	0	205	218	224	234	277	226	600	882
All Ages	0	432	484	467	552	620	562	1,570	1,877



**Table 2a.1. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Lung and Bronchus</b>									
Younger than 45	0	235	297	426	525	508	646	1,396	903
45-64	2	1,176	1,224	1,359	1,362	1,435	1,529	4,631	3,963
65 and older	2	2,076	2,162	2,123	2,116	2,235	1,552	4,394	6,057
All Ages	4	3,487	3,683	3,908	4,003	4,178	3,727	10,421	10,923
<b>Melanoma</b>									
Younger than 45	0	296	253	241	289	256	198	995	887
45-64	1	805	726	733	706	899	805	3,184	3,237
65 and older	0	764	759	740	802	928	686	2,598	3,790
All Ages	1	1,865	1,738	1,714	1,797	2,083	1,689	6,777	7,914
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	0	467	472	518	611	573	552	1,470	1,435
45-64	0	667	725	772	870	859	942	2,520	2,783
65 and older	1	783	834	785	787	823	626	1,998	2,745
All Ages	1	1,917	2,031	2,075	2,268	2,255	2,120	5,988	6,963
<b>Other Endocrine</b>									
Younger than 45	0	78	60	72	78	79	55	235	258
45-64	0	96	71	66	83	87	74	378	435
65 and older	0	58	50	53	69	77	55	208	398
All Ages	0	232	181	191	230	243	184	821	1,091
<b>Pancreas</b>									
Younger than 45	0	45	36	70	131	139	158	197	174
45-64	0	173	212	229	301	343	339	844	906
65 and older	0	314	322	338	370	420	336	903	1,323
All Ages	0	532	570	637	802	902	833	1,944	2,403
<b>Prostate<sup>4</sup></b>									
Younger than 45	0	268	270	341	409	345	309	843	737
45-64	0	2,565	2,406	2,558	2,613	2,652	2,977	10,616	10,421
65 and older	3	5,790	4,553	4,711	4,116	4,146	3,788	12,249	16,082
All Ages	3	8,623	7,229	7,610	7,138	7,143	7,074	23,708	27,240

**Table 2a.1. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Rectum</b>									
Younger than 45	0	97	122	117	158	167	184	408	361
45-64	0	555	488	495	552	606	515	2,021	2,036
65 and older	0	833	718	702	705	680	507	1,907	2,510
All Ages	0	1,485	1,328	1,314	1,415	1,453	1,206	4,336	4,907
<b>Thyroid</b>									
Younger than 45	0	69	72	64	90	133	112	313	297
45-64	0	126	112	150	147	220	203	656	690
65 and older	0	67	80	93	107	109	87	249	386
All Ages	0	262	264	307	344	462	402	1,218	1,373
<b>Urinary Bladder</b>									
Younger than 45	0	92	110	148	151	145	133	335	305
45-64	0	563	476	482	501	565	621	1,920	1,861
65 and older	0	1,276	1,134	1,077	1,110	1,113	1,013	3,232	4,142
All Ages	0	1,931	1,720	1,707	1,762	1,823	1,767	5,487	6,308

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 2a.2. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Any Cancer Site</b>									
Younger than 45	11,448	10,086	9,166	8,155	8,099	7,932	8,161	6,919	3,060
45-64	52,342	47,184	45,225	40,999	42,417	41,978	44,221	42,282	20,568
65 and older	54,067	48,286	48,239	47,018	49,225	51,314	55,282	55,326	30,713
All Ages <sup>2</sup>	117,857	105,556	102,630	96,172	99,741	101,224	107,664	104,527	54,341
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	133	145	113	116	98	109	101	94	40
45-64	756	700	674	639	628	680	642	487	260
65 and older	593	573	552	568	561	554	586	472	282
All Ages	1,482	1,418	1,339	1,323	1,287	1,343	1,329	1,053	582
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	335	366	258	124	148	120	110	91	39
45-64	861	919	680	509	558	451	396	370	153
65 and older	532	799	556	389	366	299	295	203	101
All Ages	1,728	2,084	1,494	1,022	1,072	870	801	664	293
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	104	89	69	78	64	60	82	68	21
45-64	302	281	289	261	294	295	271	243	106
65 and older	290	299	346	314	389	340	402	373	189
All Ages	696	669	704	653	747	695	755	684	316
<b>Cervix</b>									
Younger than 45	28	32	23	18	13	10	10	13	5
45-64	92	74	59	50	56	47	44	25	9
65 and older	87	90	72	58	73	51	34	8	7
All Ages	207	196	154	126	142	108	88	46	21

**Table 2a.2. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Colon</b>									
Younger than 45	953	894	790	714	685	769	714	659	308
45-64	5,800	5,045	4,767	4,518	4,694	4,781	5,034	4,876	2,312
65 and older	7,086	6,301	6,254	6,140	6,478	6,669	6,794	6,736	3,701
All Ages	13,839	12,240	11,811	11,372	11,857	12,219	12,542	12,271	6,321
<b>Uterus</b>									
Younger than 45	52	42	37	17	14	19	12	13	5
45-64	83	106	69	53	56	52	47	44	17
65 and older	78	89	80	59	54	48	27	27	12
All Ages	213	237	186	129	124	119	86	84	34
<b>Esophagus</b>									
Younger than 45	187	216	124	114	127	137	146	107	44
45-64	1,318	1,340	1,197	1,052	1,123	1,101	1,253	1,086	500
65 and older	1,450	1,443	1,425	1,460	1,511	1,633	1,945	1,875	961
All Ages	2,955	2,999	2,746	2,626	2,761	2,871	3,344	3,068	1,505
<b>Kidney and Pelvis</b>									
Younger than 45	707	618	560	472	535	489	565	498	225
45-64	3,408	2,927	2,717	2,773	2,719	2,783	3,145	3,161	1,448
65 and older	3,314	3,086	3,230	3,331	3,438	3,662	3,902	4,022	2,137
All Ages	7,429	6,631	6,507	6,576	6,692	6,934	7,612	7,681	3,810
<b>Leukemia</b>									
Younger than 45	1,639	1,600	1,387	1,225	1,248	1,172	1,215	931	398
45-64	2,967	2,910	2,856	2,593	2,662	2,508	2,698	2,308	1,085
65 and older	3,289	3,208	3,335	3,455	3,564	3,776	3,887	3,622	1,996
All Ages	7,895	7,718	7,578	7,273	7,474	7,456	7,800	6,861	3,479
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	256	258	216	200	231	275	218	66	34
45-64	1,901	1,819	1,777	1,777	1,957	2,204	1,812	905	420
65 and older	1,461	1,517	1,589	1,662	1,801	2,063	1,995	1,227	663
All Ages	3,618	3,594	3,582	3,639	3,989	4,542	4,025	2,198	1,117

**Table 2a.2. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Lung and Bronchus</b>									
Younger than 45	833	740	601	456	410	403	432	403	163
45-64	5,809	5,490	4,994	4,693	4,701	4,839	5,059	4,895	2,327
65 and older	9,653	9,215	9,371	9,576	10,190	10,601	11,132	11,373	6,247
All Ages	16,295	15,445	14,966	14,725	15,301	15,843	16,623	16,671	8,737
<b>Melanoma</b>									
Younger than 45	2,081	1,773	1,680	1,517	1,551	1,564	1,500	1,487	654
45-64	7,128	6,731	6,631	6,229	6,724	6,735	7,147	7,344	3,427
65 and older	6,690	6,491	6,837	6,792	7,303	8,109	8,977	9,155	4,843
All Ages	15,899	14,995	15,148	14,538	15,578	16,408	17,624	17,986	8,924
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	2,567	2,322	2,152	1,920	1,808	1,752	1,976	1,473	638
45-64	5,171	4,832	4,437	4,090	4,338	4,311	4,378	3,760	1,826
65 and older	4,562	4,409	4,531	4,413	4,773	5,072	5,287	4,812	2,711
All Ages	12,300	11,563	11,120	10,423	10,919	11,135	11,641	10,045	5,175
<b>Other Endocrine</b>									
Younger than 45	575	481	460	364	362	327	306	225	105
45-64	795	777	625	629	577	565	556	507	206
65 and older	599	520	496	428	459	468	470	497	235
All Ages	1,969	1,778	1,581	1,421	1,398	1,360	1,332	1,229	546
<b>Pancreas</b>									
Younger than 45	253	234	227	201	198	188	175	167	77
45-64	1,664	1,589	1,554	1,502	1,566	1,508	1,586	1,575	693
65 and older	2,102	2,122	2,278	2,214	2,478	2,519	2,769	2,689	1,530
All Ages	4,019	3,945	4,059	3,917	4,242	4,215	4,530	4,431	2,300
<b>Prostate<sup>4</sup></b>									
Younger than 45	1,283	1,085	880	782	691	594	562	483	229
45-64	20,586	18,252	17,714	14,727	14,943	14,044	15,029	15,062	7,606
65 and older	25,409	22,179	21,898	20,029	20,443	20,294	22,071	22,869	12,941
All Ages	47,278	41,516	40,492	35,538	36,077	34,932	37,662	38,414	20,776

**Table 2a.2. Annual Number of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Rectum</b>									
Younger than 45	552	509	432	360	371	396	390	360	178
45-64	3,551	3,076	2,646	2,381	2,447	2,487	2,609	2,372	1,188
65 and older	3,930	3,394	2,840	2,757	2,707	2,729	2,740	2,542	1,448
All Ages	8,033	6,979	5,918	5,498	5,525	5,612	5,739	5,274	2,814
<b>Thyroid</b>									
Younger than 45	666	611	590	564	611	622	639	615	291
45-64	1,450	1,314	1,216	1,208	1,263	1,241	1,255	1,230	578
65 and older	668	662	679	653	665	836	806	784	443
All Ages	2,784	2,587	2,485	2,425	2,539	2,699	2,700	2,629	1,312
<b>Urinary Bladder</b>									
Younger than 45	541	465	418	386	374	361	387	335	151
45-64	3,670	3,378	3,061	2,840	2,844	2,893	2,947	2,692	1,306
65 and older	6,741	6,268	6,215	6,374	6,817	6,940	7,268	6,963	3,817
All Ages	10,952	10,111	9,694	9,600	10,035	10,194	10,602	9,990	5,274

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 2b.1. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Any Cancer Site</b>									
Younger than 45	0	12	11.8	12.8	12.7	12.3	25.6	12.9	6
45-64	0	99	90.6	90.8	79.5	84.4	94.9	107.1	52.5
65 and older	0.2	398	328.9	318.4	285.6	302.6	281.2	366.6	225.5
All Ages <sup>2</sup>	0	73.7	64.5	65.4	58.6	62.3	68.6	69.7	38.1
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0	0.1	0.1	0.1	0.1	0.2	0.1	0.2	0.1
45-64	0	1.1	1.2	1	0.9	1	0.9	1.4	0.7
65 and older	0	2.2	2.5	2.2	1.8	2.8	1.8	3	2.1
All Ages	0	0.6	0.7	0.6	0.5	0.7	0.5	0.8	0.5
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	0	1.2	1.6	2.4	2.8	2.6	16.3	1	0.7
45-64	0	3.9	4.2	5	6	5.3	12.7	2.9	2.9
65 and older	0	14.7	15.1	12.3	10.4	8.9	3.5	3.2	2.8
All Ages	0	3.3	3.8	4.3	4.6	4.1	14.3	1.8	1.5
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0	0.1	0.1	0	0	0	0	0.1	0
45-64	0	0.4	0.3	0.5	0.4	0.3	0.4	0.6	0.3
65 and older	0	1.4	2.1	1.6	1.4	1.2	1.4	2.1	1.3
All Ages	0	0.3	0.4	0.3	0.3	0.2	0.3	0.4	0.2
<b>Cervix</b>									
Younger than 45	0	0.1	0.1	0	0	0	0	0	0
45-64	0	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.1
65 and older	0	0.4	1	0.4	0.4	0.3	0.1	0.2	0.2
All Ages	0	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0

**Table 2b.1. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Colon</b>									
Younger than 45	0	1	1.1	1.3	1.7	1.6	1.4	1.2	0.9
45-64	0	11.5	11.4	10.6	10.6	11	10.5	11.8	7.4
65 and older	0	49.3	42.9	42.9	39.6	40.9	33.4	44.2	26.9
All Ages	0	8.8	8.3	8.4	8.3	8.6	7.2	8.2	5.2
<b>Uterus</b>									
Younger than 45	0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0
45-64	0	0.4	0.2	0.2	0.6	0.3	0.3	0.2	0.2
65 and older	0	1.4	1.5	0.7	1.1	0.8	0.4	0.5	0.4
All Ages	0	0.3	0.3	0.2	0.4	0.3	0.2	0.2	0.1
<b>Esophagus</b>									
Younger than 45	0	0.3	0.2	0.4	0.3	0.4	0.9	0.3	0.1
45-64	0	2.7	2.6	3.4	2.5	2.7	3.1	2.7	1.5
65 and older	0	7.9	7.8	7.7	8.4	8.9	7.1	7.8	5.4
All Ages	0	1.7	1.7	2	1.8	2	2.2	1.7	1
<b>Kidney and Pelvis</b>									
Younger than 45	0	0.6	0.6	0.8	0.7	0.8	0.8	1.1	0.3
45-64	0	4.5	5	4.7	4.9	5.8	5.9	8.6	3.2
65 and older	0	15.1	13.5	14.1	13.9	15.4	14.2	21	12
All Ages	0	3.2	3.2	3.3	3.3	3.8	3.6	5.1	2.3
<b>Leukemia</b>									
Younger than 45	0	1.7	1.8	1.8	1.9	1.8	1.8	1.9	1.1
45-64	0	6	5.8	5.6	6.1	5.9	6.3	6.5	4.1
65 and older	0	21.8	20.9	20	18.5	18.7	15	20.4	12.5
All Ages	0	5	4.9	4.9	4.9	4.9	4.4	4.9	3.1
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.1
45-64	0	2.5	2.8	2.6	3.1	3.3	3.1	3.2	1.6
65 and older	0	6.6	6.8	6.7	6.5	7.6	6.9	7.8	5.2
All Ages	0	1.5	1.6	1.6	1.7	1.9	1.7	1.8	1



**Table 2b.1. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Lung and Bronchus</b>									
Younger than 45	0	1.2	1.5	2.2	2.5	2.5	3.1	2.5	0.8
45-64	0	15.6	15.7	16.9	14.8	15.5	16.5	17.7	7.3
65 and older	0.1	66.7	67.8	63.9	58.9	61.9	47.7	57.4	36
All Ages	0	11.9	12.3	13	12.1	12.8	11.4	12	6
<b>Melanoma</b>									
Younger than 45	0	1.5	1.3	1.3	1.4	1.3	1	1.8	0.8
45-64	0	10.7	9.3	9.1	7.7	9.7	8.7	12.1	6
65 and older	0	24.5	23.7	22.2	22.3	25.6	21.1	33.9	22.5
All Ages	0	6.4	5.8	5.7	5.4	6.4	5.2	7.8	4.4
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	0	2.4	2.4	2.7	2.9	2.8	2.7	2.7	1.3
45-64	0	8.8	9.3	9.6	9.5	9.3	10.2	9.6	5.1
65 and older	0	25.1	26.1	23.6	21.9	22.7	19.2	26.1	16.3
All Ages	0	6.5	6.8	6.9	6.8	6.9	6.5	6.9	3.8
<b>Other Endocrine</b>									
Younger than 45	0	0.4	0.3	0.4	0.4	0.4	0.3	0.4	0.2
45-64	0	1.3	0.9	0.8	0.9	0.9	0.8	1.4	0.8
65 and older	0	1.9	1.6	1.6	1.9	2.1	1.7	2.7	2.3
All Ages	0	0.8	0.6	0.6	0.7	0.7	0.6	0.9	0.6
<b>Pancreas</b>									
Younger than 45	0	0.2	0.2	0.4	0.6	0.7	0.8	0.4	0.2
45-64	0	2.3	2.7	2.8	3.3	3.7	3.7	3.2	1.7
65 and older	0	10	10	10.1	10.2	11.5	10.2	11.7	7.8
All Ages	0	1.8	1.9	2.1	2.4	2.8	2.5	2.2	1.3
<b>Prostate<sup>4</sup></b>									
Younger than 45	0	1.4	1.4	1.8	1.9	1.7	1.5	1.5	0.7
45-64	0	34.1	31	32	28.6	28.9	32.5	40.8	19.4
65 and older	0.1	191.8	148.2	148.3	120.7	121.6	124.5	170.8	103.2
All Ages	0	29.5	24.3	25.5	21.7	22.1	21.8	27.5	15.2

**Table 2b.1. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Rectum</b>									
Younger than 45	0	0.5	0.6	0.6	0.8	0.8	0.9	0.7	0.3
45-64	0	7.3	6.3	6.2	6	6.5	5.6	7.7	3.7
65 and older	0	26.7	22.4	21.1	19.5	18.8	15.5	24.8	14.9
All Ages	0	5.1	4.4	4.4	4.3	4.5	3.7	5	2.7
<b>Thyroid</b>									
Younger than 45	0	0.4	0.4	0.3	0.4	0.7	0.5	0.6	0.3
45-64	0	1.7	1.4	1.9	1.6	2.4	2.2	2.5	1.3
65 and older	0	2.1	2.5	2.8	3	3	2.7	3.2	2.3
All Ages	0	0.9	0.9	1	1	1.4	1.2	1.4	0.8
<b>Urinary Bladder</b>									
Younger than 45	0	0.5	0.6	0.8	0.7	0.7	0.6	0.6	0.3
45-64	0	7.5	6.1	6	5.4	6.1	6.7	7.3	3.4
65 and older	0	41	35.6	32.5	30.9	30.9	31.3	42.4	24.7
All Ages	0	6.6	5.8	5.7	5.3	5.6	5.4	6.3	3.5

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 2b.2. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Any Cancer Site</b>									
Younger than 45	10	9.3	8.8	7.2	7.7	7.3	7.3	5.5	3.3
45-64	96.1	89.8	87.8	73.8	81.5	77.7	78.9	66.5	41.4
65 and older	359.8	326.7	316.6	254.7	281.2	269.2	271.7	237.7	156.1
All Ages <sup>2</sup>	65.3	61.2	61.2	52.2	58.3	56.9	58.6	50.3	34.1
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
45-64	1.4	1.3	1.3	1.1	1.2	1.2	1.1	0.7	0.5
65 and older	3.5	3.4	3.1	2.6	2.7	2.5	2.5	1.7	1.2
All Ages	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.4
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0
45-64	1.5	1.7	1.3	0.9	1	0.8	0.7	0.6	0.3
65 and older	3.1	4.7	3.1	1.8	1.8	1.3	1.2	0.8	0.4
All Ages	0.9	1.2	0.9	0.5	0.6	0.5	0.4	0.3	0.2
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
45-64	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.2
65 and older	1.7	1.8	2	1.5	1.9	1.5	1.7	1.4	0.8
All Ages	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.2
<b>Cervix</b>									
Younger than 45	0	0	0	0	0	0	0	0	0
45-64	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0	0
65 and older	0.5	0.5	0.4	0.3	0.4	0.2	0.1	0	0
All Ages	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0

**Table 2b.2. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Colon</b>									
Younger than 45	0.8	0.8	0.8	0.6	0.7	0.7	0.6	0.5	0.3
45-64	10.4	9.4	9	7.9	8.7	8.6	8.7	7.4	4.5
65 and older	41.8	37.4	35.8	28.9	32.1	30.4	29	25.2	16.2
All Ages	7.5	7	6.9	6	6.8	6.7	6.6	5.7	3.8
<b>Uterus</b>									
Younger than 45	0	0	0	0	0	0	0	0	0
45-64	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0
65 and older	0.5	0.5	0.5	0.3	0.3	0.2	0.1	0.1	0.1
All Ages	0.1	0.1	0.1	0.1	0.1	0.1	0	0	0
<b>Esophagus</b>									
Younger than 45	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0
45-64	2.4	2.5	2.3	1.8	2.1	2	2.2	1.7	1
65 and older	8.5	8.5	8.1	6.8	7.4	7.3	8.2	6.9	4.2
All Ages	1.6	1.7	1.6	1.4	1.6	1.6	1.8	1.4	0.9
<b>Kidney and Pelvis</b>									
Younger than 45	0.6	0.6	0.5	0.4	0.5	0.5	0.5	0.4	0.2
45-64	6.1	5.4	5.1	4.8	5.1	5	5.4	4.8	2.8
65 and older	19.5	18.2	18.4	15.6	16.9	16.6	16.6	15	9.3
All Ages	4	3.8	3.8	3.5	3.8	3.8	4	3.6	2.3
<b>Leukemia</b>									
Younger than 45	1.4	1.5	1.3	1.1	1.2	1.1	1.1	0.7	0.4
45-64	5.3	5.4	5.4	4.5	5	4.5	4.7	3.5	2.1
65 and older	19.3	18.9	19	16.2	17.5	17.1	16.5	13.5	8.7
All Ages	4.3	4.4	4.4	3.8	4.3	4.1	4.1	3.2	2.1
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.1	0
45-64	3.4	3.4	3.3	3.1	3.6	3.9	3.1	1.4	0.8
65 and older	8.5	8.9	9	7.7	8.8	9.3	8.4	4.5	2.9
All Ages	2	2	2.1	1.9	2.3	2.5	2.1	1	0.7

**Table 2b.2. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Lung and Bronchus</b>									
Younger than 45	0.7	0.7	0.6	0.4	0.4	0.4	0.4	0.3	0.2
45-64	10.4	10.2	9.4	8.2	8.8	8.7	8.7	7.5	4.5
65 and older	56.9	54.6	53.4	44.9	50.3	48.1	47.4	42.5	27.3
All Ages	8.9	8.8	8.7	7.8	8.7	8.7	8.8	7.8	5.3
<b>Melanoma</b>									
Younger than 45	1.8	1.6	1.6	1.3	1.5	1.4	1.3	1.2	0.7
45-64	12.8	12.5	12.5	10.9	12.5	12.1	12.4	11.2	6.7
65 and older	39.4	38.4	39.1	32	36.2	37	38.4	34.4	21.3
All Ages	8.6	8.5	8.8	7.7	8.9	9	9.3	8.4	5.4
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	2.2	2.1	2.1	1.7	1.7	1.6	1.8	1.2	0.7
45-64	9.3	9	8.4	7.1	8.1	7.7	7.6	5.7	3.6
65 and older	26.9	26.1	25.8	20.7	23.6	23	22.5	18	11.8
All Ages	6.7	6.6	6.5	5.5	6.2	6.1	6.2	4.7	3.1
<b>Other Endocrine</b>									
Younger than 45	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.2	0.1
45-64	1.4	1.4	1.2	1.1	1.1	1	1	0.8	0.4
65 and older	3.5	3.1	2.8	2	2.2	2.1	2	1.8	1
All Ages	1.1	1	0.9	0.8	0.8	0.7	0.7	0.6	0.3
<b>Pancreas</b>									
Younger than 45	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
45-64	3	2.9	2.9	2.6	2.9	2.7	2.7	2.4	1.3
65 and older	12.3	12.5	12.9	10.3	12.1	11.3	11.7	10	6.6
All Ages	2.2	2.2	2.4	2.1	2.4	2.3	2.4	2.1	1.4
<b>Prostate<sup>4</sup></b>									
Younger than 45	1.1	1	0.8	0.7	0.7	0.5	0.5	0.4	0.2
45-64	37.2	34.1	33.8	26	28.1	25.4	26.3	23.2	15
65 and older	160.4	141.3	134.7	101.5	108.9	99.2	101.1	91.6	60.9
All Ages	25.9	23.8	23.8	19	20.8	19.3	20.2	18.2	12.8

**Table 2b.2. Annual Rate Per 10,000 Eligible Members of New Male Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Rectum</b>									
Younger than 45	0.5	0.5	0.4	0.3	0.4	0.4	0.3	0.3	0.2
45-64	6.4	5.7	5	4.2	4.6	4.5	4.5	3.6	2.3
65 and older	23.1	20	16.1	12.9	13.3	12.3	11.6	9.5	6.3
All Ages	4.4	4	3.4	2.9	3.1	3.1	3	2.5	1.7
<b>Thyroid</b>									
Younger than 45	0.6	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.3
45-64	2.6	2.4	2.3	2.1	2.3	2.2	2.2	1.9	1.1
65 and older	3.9	3.9	3.8	3	3.3	3.8	3.4	2.9	1.9
All Ages	1.5	1.5	1.4	1.3	1.4	1.5	1.4	1.2	0.8
<b>Urinary Bladder</b>									
Younger than 45	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.3	0.2
45-64	6.6	6.3	5.8	5	5.3	5.2	5.1	4.1	2.5
65 and older	39.9	37.3	35.6	30.1	33.8	31.7	31.1	26.2	16.8
All Ages	6	5.7	5.6	5.1	5.7	5.6	5.6	4.7	3.2

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 3a.1. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Any Cancer Site</b>									
Younger than 45	2	4,620	4,641	5,048	5,199	4,548	6,748	12,570	12,070
45-64	4	9,797	9,063	8,950	8,822	9,737	10,396	32,360	32,382
65 and older	11	11,163	9,639	9,614	8,990	10,370	7,120	23,554	30,847
All Ages <sup>2</sup>	17	25,580	23,343	23,612	23,011	24,655	24,264	68,484	75,299
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0	26	26	22	14	25	13	94	99
45-64	0	68	81	100	92	115	116	402	399
65 and older	1	104	94	100	71	98	78	280	395
All Ages	1	198	201	222	177	238	207	776	893
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	1	1,275	1,342	1,665	1,908	1,725	3,870	3,761	3,951
45-64	1	4,845	4,393	4,199	4,193	4,652	5,294	14,081	15,168
65 and older	3	5,141	4,124	4,103	3,653	4,186	2,844	10,114	12,541
All Ages	5	11,261	9,859	9,967	9,754	10,563	12,008	27,956	31,660
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0	7	7	11	5	4	2	10	11
45-64	0	16	16	7	10	14	12	30	43
65 and older	0	6	12	11	10	4	9	19	39
All Ages	0	29	35	29	25	22	23	59	93
<b>Cervix</b>									
Younger than 45	0	406	403	341	339	312	348	827	822
45-64	1	390	341	362	426	469	424	1,277	1,289
65 and older	0	212	228	191	194	201	159	550	813
All Ages	1	1,008	972	894	959	982	931	2,654	2,924

**Table 3a.1. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Colon</b>									
Younger than 45	1	257	328	464	662	563	502	868	1,239
45-64	0	816	827	918	1,050	1,081	1,060	3,061	4,265
65 and older	3	1,765	1,772	1,684	1,658	1,847	1,195	3,648	5,128
All Ages	4	2,838	2,927	3,066	3,370	3,491	2,757	7,577	10,632
<b>Uterus</b>									
Younger than 45	0	198	192	186	276	208	221	580	565
45-64	0	754	698	670	733	901	852	2,594	2,711
65 and older	0	631	617	585	608	715	597	1,663	2,157
All Ages	0	1,583	1,507	1,441	1,617	1,824	1,670	4,837	5,433
<b>Esophagus</b>									
Younger than 45	0	69	72	167	114	86	149	205	140
45-64	0	82	111	158	132	145	237	369	377
65 and older	0	143	173	148	194	184	92	275	484
All Ages	0	294	356	473	440	415	478	849	1,001
<b>Kidney and Pelvis</b>									
Younger than 45	0	143	158	244	198	199	225	716	462
45-64	0	270	297	376	327	414	454	1,842	1,279
65 and older	0	390	355	404	435	526	301	1,038	1,401
All Ages	0	803	810	1,024	960	1,139	980	3,596	3,142
<b>Leukemia</b>									
Younger than 45	0	440	477	473	584	507	632	1,210	1,366
45-64	0	473	468	535	634	585	601	1,674	2,395
65 and older	1	693	760	740	743	738	423	1,395	1,980
All Ages	1	1,606	1,705	1,748	1,961	1,830	1,656	4,279	5,741
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0	39	38	40	30	70	39	200	131
45-64	0	109	129	146	129	175	159	567	593
65 and older	1	195	183	189	234	216	170	487	696
All Ages	1	343	350	375	393	461	368	1,254	1,420



**Table 3a.1. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Lung and Bronchus</b>									
Younger than 45	0	359	493	729	1,020	920	995	1,931	1,211
45-64	2	1,208	1,378	1,465	1,664	1,640	1,821	5,393	4,267
65 and older	2	2,024	2,058	2,207	2,356	2,575	1,570	4,428	5,977
All Ages	4	3,591	3,929	4,401	5,040	5,135	4,386	11,752	11,455
<b>Melanoma</b>									
Younger than 45	1	504	519	458	460	476	430	1,713	1,598
45-64	0	730	709	744	691	851	821	3,181	3,282
65 and older	0	533	580	634	574	628	453	1,790	2,588
All Ages	1	1,767	1,808	1,836	1,725	1,955	1,704	6,684	7,468
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	0	561	615	719	865	824	920	1,581	1,593
45-64	0	673	778	737	1,009	977	989	2,479	2,724
65 and older	0	919	968	895	958	869	576	1,878	2,755
All Ages	0	2,153	2,361	2,351	2,832	2,670	2,485	5,938	7,072
<b>Other Endocrine</b>									
Younger than 45	0	116	88	108	92	105	87	396	380
45-64	0	150	108	125	98	145	108	564	636
65 and older	0	63	78	71	111	151	76	279	495
All Ages	0	329	274	304	301	401	271	1,239	1,511
<b>Pancreas</b>									
Younger than 45	1	65	52	120	198	270	311	294	228
45-64	0	152	175	246	303	360	363	843	881
65 and older	1	381	387	411	432	505	381	1,029	1,471
All Ages	2	598	614	777	933	1,135	1,055	2,166	2,580
<b>Prostate<sup>4</sup></b>									
Younger than 45	0	273	369	510	696	449	516	747	498
45-64	0	217	263	375	517	396	377	904	787
65 and older	0	408	496	348	339	341	85	278	438
All Ages	0	898	1,128	1,233	1,552	1,186	978	1,929	1,723

**Table 3a.1. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Rectum</b>									
Younger than 45	0	141	147	172	278	317	359	500	439
45-64	0	480	460	481	588	594	543	1,884	1,961
65 and older	0	881	852	834	810	808	493	1,994	2,635
All Ages	0	1,502	1,459	1,487	1,676	1,719	1,395	4,378	5,035
<b>Thyroid</b>									
Younger than 45	0	317	309	303	340	406	370	1,301	1,209
45-64	0	372	317	374	390	513	467	1,764	1,810
65 and older	0	153	175	174	220	235	159	561	801
All Ages	0	842	801	851	950	1,154	996	3,626	3,820
<b>Urinary Bladder</b>									
Younger than 45	0	142	148	198	239	205	254	354	314
45-64	0	279	273	334	366	332	373	1,046	1,037
65 and older	0	550	553	512	493	560	359	1,300	1,593
All Ages	0	971	974	1,044	1,098	1,097	986	2,700	2,944

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 3a.2. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Any Cancer Site</b>									
Younger than 45	22,667	20,474	18,279	17,108	17,342	17,115	17,539	15,753	6,794
45-64	61,565	54,603	52,232	48,941	51,367	51,808	54,131	51,359	23,929
65 and older	47,700	43,097	42,502	42,926	45,489	48,094	49,737	49,583	26,966
All Ages <sup>2</sup>	131,932	118,174	113,013	108,975	114,198	117,017	121,407	116,695	57,689
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	137	137	110	115	109	90	105	93	35
45-64	760	753	657	686	720	756	741	649	306
65 and older	632	628	546	565	604	624	655	591	331
All Ages	1,529	1,518	1,313	1,366	1,433	1,470	1,501	1,333	672
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	6,690	6,169	5,775	5,310	5,548	5,696	5,613	4,837	2,242
45-64	27,952	24,087	23,332	21,690	23,174	22,913	24,092	22,310	10,312
65 and older	19,342	16,689	16,239	16,349	17,326	18,341	19,015	18,240	9,860
All Ages	53,984	46,945	45,346	43,349	46,048	46,950	48,720	45,387	22,414
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	37	43	27	29	30	34	30	57	25
45-64	100	109	112	91	117	77	152	268	134
65 and older	67	73	63	66	81	70	90	121	64
All Ages	204	225	202	186	228	181	272	446	223
<b>Cervix</b>									
Younger than 45	1,714	1,570	1,361	1,277	1,224	1,252	1,290	1,247	468
45-64	2,702	2,388	2,199	2,117	2,106	2,043	2,220	2,034	902
65 and older	1,194	1,230	1,259	1,304	1,337	1,329	1,385	1,317	724
All Ages	5,610	5,188	4,819	4,698	4,667	4,624	4,895	4,598	2,094

**Table 3a.2. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Colon</b>									
Younger than 45	1,104	1,022	927	865	849	817	920	860	320
45-64	5,586	5,069	4,486	4,340	4,381	4,489	4,627	4,442	2,089
65 and older	7,326	6,565	6,431	6,240	6,450	6,532	6,709	6,775	3,705
All Ages	14,016	12,656	11,844	11,445	11,680	11,838	12,256	12,077	6,114
<b>Uterus</b>									
Younger than 45	1,097	1,006	863	800	871	870	864	857	365
45-64	5,133	4,842	4,829	4,555	4,770	4,866	5,140	5,019	2,498
65 and older	3,301	3,185	3,273	3,355	3,600	4,050	4,042	4,498	2,279
All Ages	9,531	9,033	8,965	8,710	9,241	9,786	10,046	10,374	5,142
<b>Esophagus</b>									
Younger than 45	176	268	118	103	112	87	88	65	23
45-64	542	660	478	440	460	423	472	429	195
65 and older	610	660	638	589	572	701	870	748	376
All Ages	1,328	1,588	1,234	1,132	1,144	1,211	1,430	1,242	594
<b>Kidney and Pelvis</b>									
Younger than 45	727	551	480	438	429	494	497	498	192
45-64	2,361	1,939	1,870	1,679	1,679	1,733	1,879	2,005	890
65 and older	2,041	1,986	2,033	2,061	2,107	2,237	2,502	2,635	1,427
All Ages	5,129	4,476	4,383	4,178	4,215	4,464	4,878	5,138	2,509
<b>Leukemia</b>									
Younger than 45	1,826	1,697	1,507	1,398	1,289	1,240	1,169	915	370
45-64	2,788	2,664	2,523	2,197	2,230	2,196	2,178	1,932	884
65 and older	2,839	2,854	2,954	2,835	2,929	3,029	3,087	2,882	1,519
All Ages	7,453	7,215	6,984	6,430	6,448	6,465	6,434	5,729	2,773
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	365	324	274	234	257	278	279	118	41
45-64	1,163	1,172	1,168	1,068	1,248	1,348	1,246	594	277
65 and older	1,117	1,173	1,236	1,357	1,384	1,525	1,406	818	486
All Ages	2,645	2,669	2,678	2,659	2,889	3,151	2,931	1,530	804

**Table 3a.2. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Lung and Bronchus</b>									
Younger than 45	1,039	1,120	802	602	621	579	632	618	265
45-64	6,226	5,738	5,379	4,965	4,937	5,119	5,184	5,254	2,448
65 and older	8,914	8,821	8,833	8,951	9,725	10,029	10,494	10,513	5,957
All Ages	16,179	15,679	15,014	14,518	15,283	15,727	16,310	16,385	8,670
<b>Melanoma</b>									
Younger than 45	3,668	3,262	2,833	2,738	2,753	2,604	2,756	2,727	1,197
45-64	6,933	6,651	6,173	6,061	6,353	6,377	6,984	7,136	3,353
65 and older	4,270	4,171	4,216	4,092	4,689	5,054	5,272	5,545	2,892
All Ages	14,871	14,084	13,222	12,891	13,795	14,035	15,012	15,408	7,442
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	2,633	2,548	2,123	1,918	1,855	1,745	1,820	1,470	564
45-64	4,802	4,431	4,118	3,709	3,705	3,870	3,961	3,350	1,443
65 and older	4,178	4,129	4,101	4,048	4,096	4,314	4,457	4,103	2,239
All Ages	11,613	11,108	10,342	9,675	9,656	9,929	10,238	8,923	4,246
<b>Other Endocrine</b>									
Younger than 45	887	730	613	561	506	451	460	358	106
45-64	1,162	1,024	939	821	749	745	720	597	203
65 and older	738	687	624	570	567	553	510	502	218
All Ages	2,787	2,441	2,176	1,952	1,822	1,749	1,690	1,457	527
<b>Pancreas</b>									
Younger than 45	288	329	295	227	206	213	241	246	105
45-64	1,487	1,428	1,407	1,286	1,350	1,369	1,381	1,405	693
65 and older	2,110	2,116	2,210	2,281	2,389	2,472	2,609	2,606	1,429
All Ages	3,885	3,873	3,912	3,794	3,945	4,054	4,231	4,257	2,227
<b>Prostate<sup>4</sup></b>									
Younger than 45	254	377	195	62	45	35	36	56	21
45-64	557	643	426	227	200	175	146	169	89
65 and older	453	668	422	228	193	160	122	128	55
All Ages	1,264	1,688	1,043	517	438	370	304	353	165

**Table 3a.2. Annual Number of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Rectum</b>									
Younger than 45	609	549	436	446	422	403	401	338	182
45-64	3,205	2,753	2,403	2,123	2,217	2,171	2,256	2,088	941
65 and older	3,777	3,288	2,710	2,494	2,427	2,527	2,456	2,187	1,253
All Ages	7,591	6,590	5,549	5,063	5,066	5,101	5,113	4,613	2,376
<b>Thyroid</b>									
Younger than 45	2,810	2,520	2,292	2,230	2,382	2,309	2,484	2,320	989
45-64	4,059	3,661	3,496	3,309	3,568	3,529	3,574	3,495	1,613
65 and older	1,161	1,228	1,173	1,263	1,389	1,422	1,497	1,527	808
All Ages	8,030	7,409	6,961	6,802	7,339	7,260	7,555	7,342	3,410
<b>Urinary Bladder</b>									
Younger than 45	452	417	369	277	276	270	283	228	80
45-64	1,765	1,686	1,494	1,289	1,384	1,304	1,247	1,172	534
65 and older	2,472	2,400	2,449	2,324	2,387	2,612	2,466	2,441	1,269
All Ages	4,689	4,503	4,312	3,890	4,047	4,186	3,996	3,841	1,883

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 3b.1. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Any Cancer Site</b>									
Younger than 45	0	22	21.9	24.2	22.8	20.5	29.8	22.4	10.6
45-64	0.1	117.1	105.5	101.6	87.7	96.4	103.9	117.5	57.7
65 and older	0.3	268	226.6	219.3	192.4	223.4	187.7	256.2	161.4
All Ages <sup>2</sup>	0.1	77.8	70	70.7	62.5	68.2	68	75.2	40.2
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
45-64	0	0.8	0.9	1.1	0.9	1.1	1.1	1.4	0.7
65 and older	0	2.4	2.1	2.1	1.4	1.9	1.9	2.8	1.9
All Ages	0	0.6	0.6	0.7	0.5	0.6	0.6	0.8	0.5
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	0	6.1	6.3	7.9	8.3	7.7	17	6.7	3.4
45-64	0	57.5	50.6	47	41	45.2	51.9	50.4	26.5
65 and older	0.1	121.2	94.6	90.8	75.4	86.6	71.8	105.9	63
All Ages	0	34.1	29.4	29.6	26.2	28.8	33.2	30.4	16.7
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0	0	0	0.1	0	0	0	0	0
45-64	0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
65 and older	0	0.1	0.3	0.2	0.2	0.1	0.2	0.2	0.2
All Ages	0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
<b>Cervix</b>									
Younger than 45	0	1.9	1.9	1.6	1.5	1.4	1.5	1.5	0.7
45-64	0	4.6	3.9	4	4.1	4.5	4.1	4.5	2.2
65 and older	0	4.9	5.1	4.1	3.8	4	3.8	5.5	3.9
All Ages	0	3	2.9	2.6	2.5	2.6	2.5	2.9	1.5

**Table 3b.1. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Colon</b>									
Younger than 45	0	1.2	1.5	2.2	2.9	2.5	2.2	1.5	1.1
45-64	0	9.5	9.4	10.1	10.1	10.3	10.2	10.7	7.3
65 and older	0.1	40.8	39.7	36.2	33.2	36.9	29	36.8	24.8
All Ages	0	8.5	8.6	9	9	9.4	7.5	8.2	5.5
<b>Uterus</b>									
Younger than 45	0	0.9	0.9	0.9	1.2	0.9	1	1	0.5
45-64	0	8.8	7.9	7.4	7	8.6	8.2	9.1	4.6
65 and older	0	14.5	13.8	12.5	12.1	14.2	14.4	16.7	10.4
All Ages	0	4.8	4.5	4.2	4.3	4.9	4.6	5.2	2.8
<b>Esophagus</b>									
Younger than 45	0	0.3	0.3	0.8	0.5	0.4	0.7	0.4	0.1
45-64	0	1	1.3	1.7	1.3	1.4	2.3	1.3	0.6
65 and older	0	3.3	3.9	3.2	3.8	3.6	2.2	2.8	2.3
All Ages	0	0.9	1.1	1.4	1.2	1.1	1.3	0.9	0.5
<b>Kidney and Pelvis</b>									
Younger than 45	0	0.7	0.7	1.2	0.9	0.9	1	1.3	0.4
45-64	0	3.2	3.4	4.1	3.1	3.9	4.4	6.4	2.2
65 and older	0	9	7.9	8.6	8.6	10.4	7.2	10.4	6.7
All Ages	0	2.4	2.4	3	2.5	3.1	2.7	3.9	1.6
<b>Leukemia</b>									
Younger than 45	0	2.1	2.2	2.3	2.5	2.3	2.8	2.1	1.2
45-64	0	5.5	5.3	5.9	6.1	5.6	5.8	5.9	4.1
65 and older	0	16	17	15.9	14.8	14.7	10.2	14	9.5
All Ages	0	4.8	5	5.1	5.2	4.9	4.5	4.6	3
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0	0.2	0.2	0.2	0.1	0.3	0.2	0.4	0.1
45-64	0	1.3	1.5	1.6	1.2	1.7	1.5	2	1
65 and older	0	4.5	4.1	4	4.6	4.3	4.1	4.9	3.3
All Ages	0	1	1	1.1	1	1.2	1	1.3	0.7



**Table 3b.1. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Lung and Bronchus</b>									
Younger than 45	0	1.7	2.3	3.5	4.5	4.1	4.4	3.4	1.1
45-64	0	14.1	15.6	16.1	16	15.7	17.5	18.9	7.3
65 and older	0.1	46.8	46.1	47.5	47.1	51.4	38	44.7	28.9
All Ages	0	10.8	11.6	12.9	13.4	13.9	12	12.6	6
<b>Melanoma</b>									
Younger than 45	0	2.4	2.4	2.2	2	2.1	1.9	3	1.4
45-64	0	8.5	8	8.2	6.6	8.1	7.9	11.2	5.6
65 and older	0	12.3	12.9	13.6	11.4	12.5	10.9	18	12.4
All Ages	0	5.3	5.3	5.4	4.6	5.3	4.7	7.2	3.9
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	0	2.7	2.9	3.4	3.8	3.7	4	2.8	1.4
45-64	0	7.9	8.8	8.1	9.7	9.3	9.5	8.7	4.7
65 and older	0	21.2	21.6	19.2	19.1	17.3	13.9	18.9	13.3
All Ages	0	6.5	7	6.9	7.5	7.2	6.8	6.4	3.7
<b>Other Endocrine</b>									
Younger than 45	0	0.6	0.4	0.5	0.4	0.5	0.4	0.7	0.3
45-64	0	1.8	1.2	1.4	0.9	1.4	1	2	1.1
65 and older	0	1.4	1.7	1.5	2.2	3	1.8	2.8	2.4
All Ages	0	1	0.8	0.9	0.8	1.1	0.7	1.3	0.8
<b>Pancreas</b>									
Younger than 45	0	0.3	0.2	0.6	0.9	1.2	1.4	0.5	0.2
45-64	0	1.8	2	2.7	2.9	3.4	3.5	3	1.5
65 and older	0	8.8	8.6	8.8	8.6	10	9.1	10.3	7.1
All Ages	0	1.8	1.8	2.3	2.5	3.1	2.9	2.3	1.3
<b>Prostate<sup>4</sup></b>									
Younger than 45	0	1.3	1.7	2.4	3	2	2.3	1.3	0.4
45-64	0	2.5	3	4.1	5	3.8	3.6	3.2	1.3
65 and older	0	9.4	11.1	7.4	6.7	6.8	2	2.8	2.1
All Ages	0	2.7	3.3	3.6	4.1	3.2	2.7	2.1	0.9

**Table 3b.1. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2000 to December 31, 2008, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>Rectum</b>									
Younger than 45	0	0.7	0.7	0.8	1.2	1.4	1.6	0.9	0.4
45-64	0	5.6	5.2	5.3	5.6	5.7	5.2	6.6	3.4
65 and older	0	20.3	19	17.9	16.1	16.1	11.9	20	12.7
All Ages	0	4.5	4.3	4.4	4.5	4.6	3.8	4.7	2.6
<b>Thyroid</b>									
Younger than 45	0	1.5	1.5	1.4	1.5	1.8	1.6	2.3	1.1
45-64	0	4.3	3.6	4.1	3.7	4.9	4.5	6.2	3.1
65 and older	0	3.5	3.9	3.7	4.4	4.7	3.8	5.6	3.8
All Ages	0	2.5	2.4	2.5	2.5	3.1	2.7	3.9	2
<b>Urinary Bladder</b>									
Younger than 45	0	0.7	0.7	0.9	1	0.9	1.1	0.6	0.3
45-64	0	3.3	3.1	3.7	3.5	3.2	3.6	3.7	1.8
65 and older	0	12.7	12.3	11	9.8	11.1	8.6	13.1	7.7
All Ages	0	2.9	2.9	3.1	2.9	3	2.7	2.9	1.5

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 3b.2. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Any Cancer Site</b>									
Younger than 45	19.5	18.6	17.3	15	16.5	15.9	15.9	12.7	7.6
45-64	106.8	97.9	95.4	83.5	93.8	92.3	93	77.6	46.7
65 and older	246.9	227.1	217.4	182.2	203.3	199.4	195	171.9	109.5
All Ages <sup>2</sup>	69.5	65	64	56.5	63.9	63.5	63.8	54.2	35.3
<b>Site-Specific Cancer<sup>3</sup></b>									
<b>Anus</b>									
Younger than 45	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0
45-64	1.3	1.3	1.1	1.1	1.3	1.3	1.2	0.9	0.6
65 and older	3	3	2.5	2.2	2.4	2.3	2.3	1.8	1.2
All Ages	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.6	0.4
<b>Breast, Female<sup>4</sup></b>									
Younger than 45	5.7	5.6	5.4	4.6	5.3	5.3	5.1	3.9	2.5
45-64	47.7	42.4	41.7	36.2	41.3	39.9	40.4	32.9	19.6
65 and older	96.3	84	79	65.9	73.3	71.9	70.4	59.8	37.6
All Ages	28.1	25.5	25.3	22.1	25.3	25	25.2	20.7	13.4
<b>Breast, Male<sup>4</sup></b>									
Younger than 45	0	0	0	0	0	0	0	0	0
45-64	0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.4	0.2
65 and older	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.2
All Ages	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1
<b>Cervix</b>									
Younger than 45	1.5	1.4	1.3	1.1	1.2	1.2	1.2	1	0.5
45-64	4.5	4.1	3.8	3.5	3.7	3.5	3.6	2.9	1.7
65 and older	5.7	5.9	5.8	5	5.4	4.9	4.9	4.1	2.6
All Ages	2.9	2.8	2.7	2.4	2.5	2.4	2.5	2.1	1.2

**Table 3b.2. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Colon</b>									
Younger than 45	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.7	0.4
45-64	9.4	8.7	7.9	7.1	7.6	7.6	7.6	6.4	3.9
65 and older	35.2	31.8	30.1	24.1	26.2	24.6	23.8	21.3	13.5
All Ages	7.2	6.8	6.5	5.8	6.3	6.2	6.2	5.4	3.6
<b>Uterus</b>									
Younger than 45	0.9	0.9	0.8	0.7	0.8	0.8	0.8	0.7	0.4
45-64	8.6	8.3	8.5	7.4	8.3	8.3	8.4	7.2	4.6
65 and older	15.8	15.4	15.2	12.9	14.5	15.2	14.3	14.1	8.3
All Ages	4.9	4.9	4.9	4.4	5	5.1	5.1	4.7	3
<b>Esophagus</b>									
Younger than 45	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0
45-64	0.9	1.1	0.8	0.7	0.8	0.7	0.8	0.6	0.4
65 and older	2.9	3.2	3	2.3	2.3	2.6	3.1	2.3	1.4
All Ages	0.7	0.9	0.7	0.6	0.6	0.6	0.7	0.6	0.3
<b>Kidney and Pelvis</b>									
Younger than 45	0.6	0.5	0.5	0.4	0.4	0.5	0.4	0.4	0.2
45-64	3.9	3.3	3.3	2.7	2.9	2.9	3.1	2.9	1.6
65 and older	9.7	9.6	9.4	7.9	8.5	8.3	8.8	8.2	5.2
All Ages	2.6	2.4	2.4	2.1	2.3	2.3	2.5	2.3	1.5
<b>Leukemia</b>									
Younger than 45	1.6	1.5	1.4	1.2	1.2	1.1	1.1	0.7	0.4
45-64	4.7	4.6	4.4	3.6	3.9	3.7	3.6	2.8	1.6
65 and older	13.6	13.8	13.7	10.9	11.8	11.3	10.9	9	5.5
All Ages	3.8	3.9	3.8	3.2	3.5	3.4	3.3	2.6	1.6
<b>Liver and Intrahepatic Bile Duct</b>									
Younger than 45	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.1	0
45-64	1.9	2	2	1.7	2.2	2.3	2	0.9	0.5
65 and older	5.3	5.6	5.7	5.2	5.6	5.7	4.9	2.5	1.8
All Ages	1.4	1.4	1.5	1.3	1.6	1.7	1.5	0.7	0.5

**Table 3b.2. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Lung and Bronchus</b>									
Younger than 45	0.9	1	0.8	0.5	0.6	0.5	0.6	0.5	0.3
45-64	10.4	9.9	9.4	8.1	8.6	8.7	8.5	7.6	4.5
65 and older	42.8	42.7	41.2	34.6	39.4	37.6	37.2	33	21.7
All Ages	8.3	8.4	8.3	7.3	8.3	8.3	8.3	7.4	5.1
<b>Melanoma</b>									
Younger than 45	3.1	2.9	2.7	2.4	2.6	2.4	2.5	2.2	1.3
45-64	11.6	11.5	10.8	9.9	11.1	10.9	11.5	10.3	6.2
65 and older	20.4	20.1	19.6	15.8	19	18.9	18.7	17.4	10.5
All Ages	7.7	7.6	7.3	6.5	7.5	7.4	7.7	7	4.4
<b>Non-Hodgkin's Lymphoma</b>									
Younger than 45	2.2	2.3	2	1.7	1.8	1.6	1.6	1.2	0.6
45-64	8	7.6	7.2	6.1	6.5	6.6	6.5	4.8	2.7
65 and older	20	19.9	19.1	15.6	16.6	16.2	15.8	12.9	8.1
All Ages	6	6	5.7	4.9	5.2	5.2	5.2	4	2.5
<b>Other Endocrine</b>									
Younger than 45	0.8	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.1
45-64	1.9	1.8	1.6	1.3	1.3	1.3	1.2	0.9	0.4
65 and older	3.5	3.3	2.9	2.2	2.3	2.1	1.8	1.6	0.8
All Ages	1.4	1.3	1.2	1	1	0.9	0.9	0.7	0.3
<b>Pancreas</b>									
Younger than 45	0.2	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.1
45-64	2.5	2.5	2.5	2.1	2.3	2.3	2.3	2	1.3
65 and older	10.1	10.2	10.2	8.7	9.6	9.2	9.2	8.1	5.2
All Ages	2	2.1	2.2	1.9	2.1	2.1	2.2	1.9	1.3
<b>Prostate<sup>4</sup></b>									
Younger than 45	0.2	0.3	0.2	0.1	0	0	0	0	0
45-64	0.9	1.1	0.7	0.4	0.3	0.3	0.2	0.2	0.2
65 and older	2.2	3.2	2	0.9	0.8	0.6	0.4	0.4	0.2
All Ages	0.7	0.9	0.6	0.3	0.2	0.2	0.2	0.2	0.1

**Table 3b.2. Annual Rate Per 10,000 Eligible Members of New Female Cancer Cases in the Sentinel Distributed Database (SDD) from January 1, 2009 to August 31, 2017, by Cancer Site and Age Group**

Age Group (Years)	Year of Diagnosis <sup>1</sup>								
	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Rectum</b>									
Younger than 45	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.3	0.2
45-64	5.4	4.7	4.2	3.5	3.9	3.7	3.7	3	1.7
65 and older	18.1	15.8	12.6	9.6	9.8	9.4	8.7	6.8	4.5
All Ages	3.9	3.5	3.1	2.5	2.7	2.7	2.6	2.1	1.4
<b>Thyroid</b>									
Younger than 45	2.4	2.3	2.2	1.9	2.3	2.1	2.2	1.9	1.1
45-64	6.8	6.3	6.1	5.4	6.2	6	5.9	5.1	3
65 and older	5.5	5.9	5.4	4.8	5.6	5.3	5.3	4.8	2.9
All Ages	4.1	4	3.8	3.4	4	3.8	3.8	3.3	2
<b>Urinary Bladder</b>									
Younger than 45	0.4	0.4	0.3	0.2	0.3	0.2	0.3	0.2	0.1
45-64	2.9	2.9	2.6	2.1	2.4	2.2	2	1.7	1
65 and older	11.8	11.6	11.4	8.9	9.6	9.8	8.7	7.6	4.6
All Ages	2.4	2.4	2.4	2	2.2	2.2	2	1.7	1.1

<sup>1</sup>In leap years of 2000, 2004, 2008, 2012, and 2016, members have an additional day in the year that would qualify them as eligible

<sup>2</sup>Aggregated numbers represent the sums of patients with at least one of the incident site-specific cancers, and is not the sum of patients across all incident cancers sites; that is, each cancer patient is only counted once in the aggregated sums

<sup>3</sup>Cancer diagnoses based on ICD-9 codes for years 2000 through 2015 and ICD-10 codes for years 2016 through 2018

<sup>4</sup>Site-specific cancer diagnoses related to a particular sex are defined by the codes for which sex is explicit in the description of the code; use of these codes is not limited to a particular sex

**Table 4. Pre-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site**

Cancer Site	Number of Patients by Follow-Up Years Available Prior to Cancer					Days			
	Diagnosis <sup>1</sup>					Mean (Standard Deviation)	Median	Minimum	Maximum
	>0 Years	>1 Years	>2 Years	>3 Years	>4 Years				
<b>Any Cancer Site<sup>2</sup></b>									
Any Cancer Site	2,424,870	2,424,870	1,681,427	1,216,070	891,473	1468.8 (1111.9)	1,100	366	6,452
<b>Site Specific Cancer</b>									
Anus	28,830	28,830	20,474	14,896	10,982	1488.1 (1093.8)	1,136	366	6,433
Breast, Female	547,503	547,503	375,036	269,907	197,398	1445.8 (1094.9)	1,078	366	6,451
Breast, Male	9,695	9,695	7,091	5,246	3,918	1535.0 (1106.9)	1,192	366	6,405
Cervix	53,962	53,962	36,159	25,156	17,761	1344.5 (978.5)	1,024	366	6,431
Colon	277,185	277,185	198,641	145,890	108,376	1507.7 (1098.6)	1,160	366	6,450
Uterus	102,862	102,862	73,791	54,730	41,221	1569.4 (1188.4)	1,178	366	6,450
Esophagus	47,017	47,017	35,067	26,211	19,656	1591.7 (1150.4)	1,235	366	6,418
Kidney and Pelvis	126,699	126,699	90,567	67,024	50,132	1530.7 (1130.9)	1,169	366	6,446
Leukemia	158,951	158,951	114,423	84,567	62,721	1514.9 (1102.3)	1,173	366	6,439
Liver and Intrahepatic Bile Duct	63,789	63,789	47,348	35,714	27,309	1627.1 (1202.4)	1,250	366	6,438
Lung and Bronchus	362,398	362,398	271,950	206,559	156,345	1613.8 (1154.9)	1,268	366	6,450
Melanoma	308,386	308,386	220,779	162,316	119,835	1529.6 (1147.4)	1,162	366	6,452
Non-Hodgkin's Lymphoma	233,531	233,531	164,972	119,792	87,520	1470.8 (1085.5)	1,127	366	6,443
Other Endocrine	37,018	37,018	25,016	17,376	12,158	1338.4 (961.7)	1,034	366	6,419
Pancreas	88,319	88,319	66,957	51,225	39,346	1655.7 (1189.9)	1,302	366	6,450
Prostate	445,222	445,222	304,993	219,082	158,867	1431.4 (1072.5)	1,076	366	6,452
Rectum	134,549	134,549	93,456	66,599	48,042	1416.6 (1035.9)	1,083	366	6,452
Thyroid	101,940	101,940	66,753	46,709	33,217	1348.5 (1020.9)	1,007	366	6,422
Urinary Bladder	156,118	156,118	112,636	83,756	63,066	1556.9 (1156.2)	1,186	366	6,452
<b>Male</b>									
Any Cancer Site <sup>2</sup>	1,137,505	1,137,505	792,279	574,249	421,214	1473.3 (1110.2)	1,108	366	6,452
<b>Site Specific Cancer</b>									
Anus	13,782	13,782	9,712	6,989	5,119	1459.9 (1070.5)	1,114	366	6,433
Breast, Female	25,327	25,327	18,629	13,840	10,525	1455.3 (904.0)	1,217	366	6,411
Breast, Male	7,213	7,213	5,259	3,904	2,919	1521.6 (1090.4)	1,192	366	6,405
Cervix	1,444	1,444	989	665	457	1286.2 (854.9)	1,012	366	6,402

**Table 4. Pre-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site**

Cancer Site	Number of Patients by Follow-Up Years Available Prior to Cancer					Days			
	Diagnosis <sup>1</sup>					Mean (Standard Deviation)	Median	Minimum	Maximum
	>0 Years	>1 Years	>2 Years	>3 Years	>4 Years				
Colon	136,597	136,597	96,972	70,741	52,274	1483.6 (1081.3)	1,139	366	6,450
Uterus	2,122	2,122	1,455	1,047	786	1362.2 (924.0)	1,077	366	6,199
Esophagus	31,808	31,808	23,702	17,709	13,313	1597.9 (1161.2)	1,233	366	6,418
Kidney and Pelvis	74,875	74,875	53,423	39,438	29,422	1528.3 (1135.9)	1,163	366	6,432
Leukemia	82,493	82,493	59,286	43,791	32,604	1519.7 (1111.3)	1,171	366	6,437
Liver and Intrahepatic Bile Duct	36,868	36,868	27,309	20,635	15,777	1628.6 (1205.0)	1,250	366	6,438
Lung and Bronchus	178,940	178,940	133,729	101,005	76,068	1594.2 (1138.5)	1,253	366	6,450
Melanoma	162,678	162,678	118,041	87,798	65,369	1565.6 (1169.4)	1,194	366	6,440
Non-Hodgkin's Lymphoma	119,939	119,939	84,474	61,410	44,802	1474.5 (1095.7)	1,124	366	6,422
Other Endocrine	15,787	15,787	10,749	7,505	5,252	1351.2 (969.7)	1,046	366	6,418
Pancreas	44,281	44,281	33,431	25,392	19,384	1638.5 (1180.6)	1,284	366	6,450
Prostate	428,453	428,453	293,022	210,535	152,795	1434.0 (1079.7)	1,075	366	6,452
Rectum	68,836	68,836	47,572	33,817	24,390	1414.0 (1042.2)	1,076	366	6,452
Thyroid	26,792	26,792	18,180	12,908	9,268	1391.6 (1037.1)	1,057	366	6,420
Urinary Bladder	108,957	108,957	78,509	58,462	44,232	1564.8 (1168.0)	1,187	366	6,452
<b>Female</b>									
Any Cancer Site <sup>2</sup>	1,287,365	1,287,365	889,148	641,821	470,259	1464.8 (1113.3)	1,092	366	6,452
Site Specific Cancer									
Anus	15,048	15,048	10,762	7,907	5,863	1513.8 (1114.1)	1,159	366	6,412
Breast, Female	522,176	522,176	356,407	256,067	186,873	1445.4 (1103.3)	1,073	366	6,451
Breast, Male	2,482	2,482	1,832	1,342	999	1573.7 (1152.8)	1,189	366	6,397
Cervix	52,518	52,518	35,170	24,491	17,304	1346.1 (981.6)	1,024	366	6,431
Colon	140,588	140,588	101,669	75,149	56,102	1531.1 (1114.6)	1,182	366	6,445
Uterus	100,740	100,740	72,336	53,683	40,435	1573.8 (1193.0)	1,180	366	6,450
Esophagus	15,209	15,209	11,365	8,502	6,343	1578.6 (1127.3)	1,238	366	6,417
Kidney and Pelvis	51,824	51,824	37,144	27,586	20,710	1534.2 (1123.8)	1,177	366	6,446
Leukemia	76,458	76,458	55,137	40,776	30,117	1509.6 (1092.4)	1,174	366	6,439
Liver and Intrahepatic Bile Duct	26,921	26,921	20,039	15,079	11,532	1625.0 (1198.8)	1,251	366	6,422
Lung and Bronchus	183,458	183,458	138,221	105,554	80,277	1632.9 (1170.3)	1,285	366	6,438



**Table 4. Pre-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site**

Cancer Site	Number of Patients by Follow-Up Years Available Prior to Cancer					Days			
	Diagnosis <sup>1</sup>					Mean (Standard Deviation)	Median	Minimum	Maximum
	>0 Years	>1 Years	>2 Years	>3 Years	>4 Years				
Melanoma	145,708	145,708	102,738	74,518	54,466	1489.4 (1121.0)	1,125	366	6,452
Non-Hodgkin's Lymphoma	113,592	113,592	80,498	58,382	42,718	1466.9 (1074.5)	1,129	366	6,443
Other Endocrine	21,231	21,231	14,267	9,871	6,906	1328.9 (955.6)	1,024	366	6,419
Pancreas	44,038	44,038	33,526	25,833	19,962	1673.0 (1199.0)	1,324	366	6,425
Prostate	16,769	16,769	11,971	8,547	6,072	1363.1 (867.4)	1,120	366	6,265
Rectum	65,713	65,713	45,884	32,782	23,652	1419.3 (1029.2)	1,093	366	6,430
Thyroid	75,148	75,148	48,573	33,801	23,949	1333.1 (1014.6)	990	366	6,422
Urinary Bladder	47,161	47,161	34,127	25,294	18,834	1538.9 (1128.2)	1,183	366	6,438

<sup>1</sup>Prediagnostic duration of follow-up based on date of entry to date of first diagnosis of site-specific cancer

<sup>2</sup>Based on date of first incident diagnosis of a listed site-specific cancer

**Table 5. Post-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site**

Cancer Site	Number of Patients by Follow-Up Years Available Post Cancer					Days			
	Diagnosis <sup>1</sup>					Mean (Standard Deviation)	Median	Minimum	Maximum
	>0 Years	>1 Years	>2 Years	>3 Years	>4 Years				
<b>Any Cancer Site<sup>2</sup></b>									
Any Cancer Site	2,424,870	1,609,868	1,144,977	831,374	614,858	1034.4 (1068.4)	669	1	6,086
<b>Site Specific Cancer</b>									
Anus	28,830	18,609	12,667	8,694	6,145	918.9 (941.9)	612	1	6,036
Breast, Female	547,503	400,571	295,452	219,108	164,941	1192.9 (1143.3)	824	1	6,086
Breast, Male	9,695	6,149	4,128	2,947	2,060	910.7 (942.7)	581	1	6,020
Cervix	53,962	35,372	24,324	17,132	12,415	980.2 (1022.9)	631	1	6,078
Colon	277,185	179,131	125,568	90,725	66,853	988.2 (1034.2)	628	1	6,070
Uterus	102,862	70,105	48,926	35,516	26,124	1047.3 (1065.9)	677	1	6,065
Esophagus	47,017	23,289	13,931	9,360	6,624	679.8 (838.9)	359	1	6,045
Kidney and Pelvis	126,699	81,598	57,042	40,279	29,100	957.6 (985.2)	625	1	6,077
Leukemia	158,951	100,020	70,486	50,525	36,801	950.1 (1004.4)	607	1	6,054
Liver and Intrahepatic Bile Duct	63,789	26,279	16,235	9,941	6,176	537.0 (710.4)	249	1	6,056
Lung and Bronchus	362,398	162,308	97,688	65,029	45,829	621.7 (821.2)	299	1	6,049
Melanoma	308,386	217,263	154,588	110,976	80,410	1061.1 (1026.0)	733	1	6,085
Non-Hodgkin's Lymphoma	233,531	151,929	106,964	76,478	55,851	979.1 (1006.4)	640	1	6,084
Other Endocrine	37,018	23,384	16,448	11,845	8,526	939.4 (967.0)	604	1	6,054
Pancreas	88,319	35,089	20,512	13,686	9,718	548.9 (763.8)	243	1	6,055
Prostate	445,222	323,912	241,039	182,012	139,440	1199.6 (1134.2)	834	1	6,080
Rectum	134,549	87,236	60,926	43,665	32,152	982.9 (1019.7)	629	1	6,059
Thyroid	101,940	70,719	49,906	35,716	25,895	1040.1 (1018.9)	709	1	6,084
Urinary Bladder	156,118	105,390	75,140	54,492	39,853	1031.4 (1029.9)	689	1	6,086
<b>Male</b>									
Any Cancer Site <sup>2</sup>	1,137,505	741,545	525,056	380,739	281,957	1010.9 (1054.5)	645	1	6,085
<b>Site Specific Cancer</b>									
Anus	13,782	8,708	5,774	3,908	2,746	880.4 (917.1)	578	1	5,999
Breast, Female	25,327	18,964	14,536	11,251	9,039	1316.7 (1187.9)	946	1	6,052
Breast, Male	7,213	4,615	3,161	2,227	1,572	930.8 (961.3)	603	1	6,020
Cervix	1,444	965	712	529	383	1041.1 (1030.1)	712	1	5,827

**Table 5. Post-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site**

Cancer Site	Number of Patients by Follow-Up Years Available Post Cancer					Days			
	Diagnosis <sup>1</sup>					Mean (Standard Deviation)	Median	Minimum	Maximum
	>0 Years	>1 Years	>2 Years	>3 Years	>4 Years				
Colon	136,597	86,936	60,171	42,831	31,275	956.3 (1012.7)	602	1	6,057
Uterus	2,122	1,498	1,124	871	694	1159.5 (1075.5)	800	1	5,860
Esophagus	31,808	14,945	8,485	5,479	3,737	622.1 (788.1)	332	1	6,045
Kidney and Pelvis	74,875	47,959	33,284	23,338	16,692	940.4 (970.1)	611	1	6,063
Leukemia	82,493	50,750	35,229	24,804	17,907	909.1 (974.8)	573	1	6,054
Liver and Intrahepatic Bile Duct	36,868	14,674	8,931	5,382	3,284	515.2 (695.6)	232	1	5,936
Lung and Bronchus	178,940	74,012	43,002	28,045	19,517	564.8 (773.4)	263	1	6,049
Melanoma	162,678	114,404	81,223	57,963	41,737	1047.5 (1009.0)	728	1	6,085
Non-Hodgkin's Lymphoma	119,939	76,344	53,160	37,526	27,098	942.2 (982.7)	609	1	6,057
Other Endocrine	15,787	9,600	6,637	4,748	3,376	896.2 (956.5)	558	1	6,031
Pancreas	44,281	16,962	9,698	6,353	4,454	521.0 (734.4)	230	1	6,020
Prostate	428,453	311,122	230,906	173,951	132,883	1192.6 (1130.7)	827	1	6,080
Rectum	68,836	43,791	30,151	21,351	15,610	949.9 (1001.6)	598	1	6,059
Thyroid	26,792	18,291	12,786	9,075	6,524	1002.6 (983.5)	685	1	6,055
Urinary Bladder	108,957	73,731	52,236	37,681	27,360	1024.0 (1020.4)	686	1	6,086
<b>Female</b>									
Any Cancer Site <sup>2</sup>	1,287,365	868,323	619,921	450,635	332,901	1055.1 (1080.2)	690	1	6,086
Site Specific Cancer									
Anus	15,048	9,901	6,893	4,786	3,399	954.2 (962.8)	645	1	6,036
Breast, Female	522,176	381,607	280,916	207,857	155,902	1186.9 (1140.7)	820	1	6,086
Breast, Male	2,482	1,534	967	720	488	852.1 (884.0)	533	1	5,844
Cervix	52,518	34,407	23,612	16,603	12,032	978.5 (1022.7)	629	1	6,078
Colon	140,588	92,195	65,397	47,894	35,578	1019.2 (1053.6)	653	1	6,070
Uterus	100,740	68,607	47,802	34,645	25,430	1044.9 (1065.5)	674	1	6,065
Esophagus	15,209	8,344	5,446	3,881	2,887	800.6 (924.8)	445	1	5,836
Kidney and Pelvis	51,824	33,639	23,758	16,941	12,408	982.5 (1006.2)	642	1	6,077
Leukemia	76,458	49,270	35,257	25,721	18,894	994.3 (1033.6)	643	1	6,049
Liver and Intrahepatic Bile Duct	26,921	11,605	7,304	4,559	2,892	566.8 (729.0)	273	1	6,056
Lung and Bronchus	183,458	88,296	54,686	36,984	26,312	677.3 (861.6)	341	1	6,040

**Table 5. Post-diagnostic Patient Follow-up in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017, by Cancer Site**

Cancer Site	Number of Patients by Follow-Up Years Available Post Cancer					Days			
	Diagnosis <sup>1</sup>					Mean (Standard Deviation)	Median	Minimum	Maximum
	>0 Years	>1 Years	>2 Years	>3 Years	>4 Years				
Melanoma	145,708	102,859	73,365	53,013	38,673	1076.3 (1044.6)	739	1	6,085
Non-Hodgkin's Lymphoma	113,592	75,585	53,804	38,952	28,753	1018.1 (1029.5)	673	1	6,084
Other Endocrine	21,231	13,784	9,811	7,097	5,150	971.6 (973.4)	637	1	6,054
Pancreas	44,038	18,127	10,814	7,333	5,264	577.0 (791.3)	257	1	6,055
Prostate	16,769	12,790	10,133	8,061	6,557	1378.4 (1207.0)	1,026	1	6,046
Rectum	65,713	43,445	30,775	22,314	16,542	1017.3 (1037.2)	662	1	6,055
Thyroid	75,148	52,428	37,120	26,641	19,371	1053.4 (1031.0)	717	1	6,084
Urinary Bladder	47,161	31,659	22,904	16,811	12,493	1048.8 (1051.3)	697	1	6,077

<sup>1</sup>Duration of follow-up based on date of entry to date of first occurrence of any of the following: 1.) disenrollment; 2.) death; 3.) the end of Data Partner availability; or 4.) the end of the query period.

<sup>2</sup>Based on date of first incident diagnosis of a listed site-specific cancer

**Table 6a. Counts of Patients by Pre and Post Index Follow-up Time for Any Cancer Site in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	2,424,870	1,609,868	1,144,977	831,374	614,858
>1 Year	2,424,870	1,609,868	1,144,977	831,374	614,858
>2 Year	1,681,427	1,115,902	795,047	581,177	430,179
>3 Year	1,216,070	804,256	576,444	421,613	310,787
>4 Year	891,473	589,414	421,678	307,366	223,031
<b>Males<sup>1</sup></b>					
>0 Year	1,137,505	741,545	525,056	380,739	281,957
>1 Year	1,137,505	741,545	525,056	380,739	281,957
>2 Year	792,279	515,600	365,395	266,566	197,655
>3 Year	574,249	372,294	265,386	193,821	143,009
>4 Year	421,214	272,970	194,261	141,185	102,728
<b>Females<sup>1</sup></b>					
>0 Year	1,287,365	868,323	619,921	450,635	332,901
>1 Year	1,287,365	868,323	619,921	450,635	332,901
>2 Year	889,148	600,302	429,652	314,611	232,524
>3 Year	641,821	431,962	311,058	227,792	167,778
>4 Year	470,259	316,444	227,417	166,181	120,303

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6b. Counts of Patients by Pre and Post Index Follow-up Time for Anal Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	28,830	18,609	12,667	8,694	6,145
>1 Year	28,830	18,609	12,667	8,694	6,145
>2 Year	20,474	13,354	9,135	6,325	4,416
>3 Year	14,896	9,727	6,680	4,602	3,208
>4 Year	10,982	7,248	4,943	3,389	2,314
<b>Males<sup>1</sup></b>					
>0 Year	13,782	8,708	5,774	3,908	2,746
>1 Year	13,782	8,708	5,774	3,908	2,746
>2 Year	9,712	6,198	4,151	2,811	1,954
>3 Year	6,989	4,462	3,007	2,038	1,433
>4 Year	5,119	3,284	2,193	1,475	1,012
<b>Females<sup>1</sup></b>					
>0 Year	15,048	9,901	6,893	4,786	3,399
>1 Year	15,048	9,901	6,893	4,786	3,399
>2 Year	10,762	7,156	4,984	3,514	2,462
>3 Year	7,907	5,265	3,673	2,564	1,775
>4 Year	5,863	3,964	2,750	1,914	1,302

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6c. Counts of Patients by Pre and Post Index Follow-up Time for Female Breast Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	547,503	400,571	295,452	219,108	164,941
>1 Year	547,503	400,571	295,452	219,108	164,941
>2 Year	375,036	276,880	205,277	153,446	115,808
>3 Year	269,907	199,923	149,451	111,980	84,234
>4 Year	197,398	147,196	110,122	82,462	61,158
<b>Males<sup>1</sup></b>					
>0 Year	25,327	18,964	14,536	11,251	9,039
>1 Year	25,327	18,964	14,536	11,251	9,039
>2 Year	18,629	14,100	10,923	8,492	6,823
>3 Year	13,840	10,611	8,285	6,442	5,198
>4 Year	10,525	8,109	6,312	4,951	3,966
<b>Females<sup>1</sup></b>					
>0 Year	522,176	381,607	280,916	207,857	155,902
>1 Year	522,176	381,607	280,916	207,857	155,902
>2 Year	356,407	262,780	194,354	144,954	108,985
>3 Year	256,067	189,312	141,166	105,538	79,036
>4 Year	186,873	139,087	103,810	77,511	57,192

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6d. Counts of Patients by Pre and Post Index Follow-up Time for Male Breast Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	9,695	6,149	4,128	2,947	2,060
>1 Year	9,695	6,149	4,128	2,947	2,060
>2 Year	7,091	4,507	3,024	2,159	1,520
>3 Year	5,246	3,348	2,252	1,606	1,112
>4 Year	3,918	2,506	1,666	1,182	797
<b>Males<sup>1</sup></b>					
>0 Year	7,213	4,615	3,161	2,227	1,572
>1 Year	7,213	4,615	3,161	2,227	1,572
>2 Year	5,259	3,360	2,294	1,624	1,155
>3 Year	3,904	2,496	1,718	1,215	853
>4 Year	2,919	1,884	1,282	900	610
<b>Females<sup>1</sup></b>					
>0 Year	2,482	1,534	967	720	488
>1 Year	2,482	1,534	967	720	488
>2 Year	1,832	1,147	730	535	365
>3 Year	1,342	852	534	391	259
>4 Year	999	622	384	282	187

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis



**Table 6e. Counts of Patients by Pre and Post Index Follow-up Time for Cervical Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	53,962	35,372	24,324	17,132	12,415
>1 Year	53,962	35,372	24,324	17,132	12,415
>2 Year	36,159	23,999	16,606	11,782	8,543
>3 Year	25,156	16,737	11,621	8,245	5,966
>4 Year	17,761	11,849	8,208	5,817	4,117
<b>Males<sup>1</sup></b>					
>0 Year	1,444	965	712	529	383
>1 Year	1,444	965	712	529	383
>2 Year	989	671	496	369	268
>3 Year	665	442	323	237	168
>4 Year	457	298	214	159	107
<b>Females<sup>1</sup></b>					
>0 Year	52,518	34,407	23,612	16,603	12,032
>1 Year	52,518	34,407	23,612	16,603	12,032
>2 Year	35,170	23,328	16,110	11,413	8,275
>3 Year	24,491	16,295	11,298	8,008	5,798
>4 Year	17,304	11,551	7,994	5,658	4,010

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6f. Counts of Patients by Pre and Post Index Follow-up Time for Colon Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	277,185	179,131	125,568	90,725	66,853
>1 Year	277,185	179,131	125,568	90,725	66,853
>2 Year	198,641	128,071	89,921	65,220	47,985
>3 Year	145,890	93,715	66,100	47,946	35,150
>4 Year	108,376	69,476	48,782	35,271	25,547
<b>Males<sup>1</sup></b>					
>0 Year	136,597	86,936	60,171	42,831	31,275
>1 Year	136,597	86,936	60,171	42,831	31,275
>2 Year	96,972	61,597	42,770	30,565	22,270
>3 Year	70,741	44,798	31,230	22,401	16,221
>4 Year	52,274	33,072	22,932	16,377	11,714
<b>Females<sup>1</sup></b>					
>0 Year	140,588	92,195	65,397	47,894	35,578
>1 Year	140,588	92,195	65,397	47,894	35,578
>2 Year	101,669	66,474	47,151	34,655	25,715
>3 Year	75,149	48,917	34,870	25,545	18,929
>4 Year	56,102	36,404	25,850	18,894	13,833

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6g. Counts of Patients by Pre and Post Index Follow-up Time for Endometrial Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	102,862	70,105	48,926	35,516	26,124
>1 Year	102,862	70,105	48,926	35,516	26,124
>2 Year	73,791	50,713	35,572	26,150	19,251
>3 Year	54,730	37,790	26,807	19,801	14,560
>4 Year	41,221	28,601	20,271	14,955	10,858
<b>Males<sup>1</sup></b>					
>0 Year	2,122	1,498	1,124	871	694
>1 Year	2,122	1,498	1,124	871	694
>2 Year	1,455	1,048	791	621	486
>3 Year	1,047	755	580	460	367
>4 Year	786	567	433	342	274
<b>Females<sup>1</sup></b>					
>0 Year	100,740	68,607	47,802	34,645	25,430
>1 Year	100,740	68,607	47,802	34,645	25,430
>2 Year	72,336	49,665	34,781	25,529	18,765
>3 Year	53,683	37,035	26,227	19,341	14,193
>4 Year	40,435	28,034	19,838	14,613	10,584

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6h. Counts of Patients by Pre and Post Index Follow-up Time for Esophageal Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	47,017	23,289	13,931	9,360	6,624
>1 Year	47,017	23,289	13,931	9,360	6,624
>2 Year	35,067	17,298	10,360	7,012	4,974
>3 Year	26,211	12,822	7,747	5,221	3,677
>4 Year	19,656	9,534	5,665	3,773	2,615
<b>Males<sup>1</sup></b>					
>0 Year	31,808	14,945	8,485	5,479	3,737
>1 Year	31,808	14,945	8,485	5,479	3,737
>2 Year	23,702	11,091	6,303	4,112	2,804
>3 Year	17,709	8,217	4,717	3,068	2,073
>4 Year	13,313	6,151	3,490	2,243	1,497
<b>Females<sup>1</sup></b>					
>0 Year	15,209	8,344	5,446	3,881	2,887
>1 Year	15,209	8,344	5,446	3,881	2,887
>2 Year	11,365	6,207	4,057	2,900	2,170
>3 Year	8,502	4,605	3,030	2,153	1,604
>4 Year	6,343	3,383	2,175	1,530	1,118

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6i. Counts of Patients by Pre and Post Index Follow-up Time for Kidney and Pelvic Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	126,699	81,598	57,042	40,279	29,100
>1 Year	126,699	81,598	57,042	40,279	29,100
>2 Year	90,567	58,318	40,900	28,977	20,917
>3 Year	67,024	43,033	30,345	21,407	15,352
>4 Year	50,132	32,201	22,597	15,854	11,190
<b>Males<sup>1</sup></b>					
>0 Year	74,875	47,959	33,284	23,338	16,692
>1 Year	74,875	47,959	33,284	23,338	16,692
>2 Year	53,423	34,163	23,775	16,708	11,913
>3 Year	39,438	25,133	17,576	12,348	8,720
>4 Year	29,422	18,788	13,109	9,100	6,338
<b>Females<sup>1</sup></b>					
>0 Year	51,824	33,639	23,758	16,941	12,408
>1 Year	51,824	33,639	23,758	16,941	12,408
>2 Year	37,144	24,155	17,125	12,269	9,004
>3 Year	27,586	17,900	12,769	9,059	6,632
>4 Year	20,710	13,413	9,488	6,754	4,852

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6j. Counts of Patients by Pre and Post Index Follow-up Time for Leukemia in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	158,951	100,020	70,486	50,525	36,801
>1 Year	158,951	100,020	70,486	50,525	36,801
>2 Year	114,423	71,657	50,643	36,478	26,519
>3 Year	84,567	52,550	37,278	26,688	19,265
>4 Year	62,721	38,697	27,270	19,467	13,779
<b>Males<sup>1</sup></b>					
>0 Year	82,493	50,750	35,229	24,804	17,907
>1 Year	82,493	50,750	35,229	24,804	17,907
>2 Year	59,286	36,219	25,196	17,807	12,850
>3 Year	43,791	26,564	18,550	13,051	9,335
>4 Year	32,604	19,651	13,634	9,571	6,722
<b>Females<sup>1</sup></b>					
>0 Year	76,458	49,270	35,257	25,721	18,894
>1 Year	76,458	49,270	35,257	25,721	18,894
>2 Year	55,137	35,438	25,447	18,671	13,669
>3 Year	40,776	25,986	18,728	13,637	9,930
>4 Year	30,117	19,046	13,636	9,896	7,057

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6k. Counts of Patients by Pre and Post Index Follow-up Time for Liver and Intrahepatic Bile Duct Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	63,789	26,279	16,235	9,941	6,176
>1 Year	63,789	26,279	16,235	9,941	6,176
>2 Year	47,348	19,469	12,125	7,442	4,546
>3 Year	35,714	14,629	9,231	5,647	3,320
>4 Year	27,309	11,287	7,199	4,384	2,477
<b>Males<sup>1</sup></b>					
>0 Year	36,868	14,674	8,931	5,382	3,284
>1 Year	36,868	14,674	8,931	5,382	3,284
>2 Year	27,309	10,912	6,717	4,092	2,461
>3 Year	20,635	8,252	5,141	3,114	1,806
>4 Year	15,777	6,418	4,069	2,474	1,383
<b>Females<sup>1</sup></b>					
>0 Year	26,921	11,605	7,304	4,559	2,892
>1 Year	26,921	11,605	7,304	4,559	2,892
>2 Year	20,039	8,557	5,408	3,350	2,085
>3 Year	15,079	6,377	4,090	2,533	1,514
>4 Year	11,532	4,869	3,130	1,910	1,094

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6I. Counts of Patients by Pre and Post Index Follow-up Time for Lung and Bronchus Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	362,398	162,308	97,688	65,029	45,829
>1 Year	362,398	162,308	97,688	65,029	45,829
>2 Year	271,950	120,766	72,255	48,227	33,900
>3 Year	206,559	91,003	54,447	36,075	25,313
>4 Year	156,345	68,291	40,499	26,833	18,537
<b>Males<sup>1</sup></b>					
>0 Year	178,940	74,012	43,002	28,045	19,517
>1 Year	178,940	74,012	43,002	28,045	19,517
>2 Year	133,729	54,846	31,646	20,691	14,367
>3 Year	101,005	41,007	23,666	15,354	10,608
>4 Year	76,068	30,583	17,442	11,313	7,720
<b>Females<sup>1</sup></b>					
>0 Year	183,458	88,296	54,686	36,984	26,312
>1 Year	183,458	88,296	54,686	36,984	26,312
>2 Year	138,221	65,920	40,609	27,536	19,533
>3 Year	105,554	49,996	30,781	20,721	14,705
>4 Year	80,277	37,708	23,057	15,520	10,817

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis



**Table 6m. Counts of Patients by Pre and Post Index Follow-up Time for Melanoma in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	308,386	217,263	154,588	110,976	80,410
>1 Year	308,386	217,263	154,588	110,976	80,410
>2 Year	220,779	156,700	111,444	80,407	58,252
>3 Year	162,316	115,016	82,177	59,354	42,569
>4 Year	119,835	85,354	60,959	43,605	30,453
<b>Males<sup>1</sup></b>					
>0 Year	162,678	114,404	81,223	57,963	41,737
>1 Year	162,678	114,404	81,223	57,963	41,737
>2 Year	118,041	83,460	59,143	42,336	30,424
>3 Year	87,798	61,992	44,115	31,603	22,403
>4 Year	65,369	46,355	32,901	23,298	16,046
<b>Females<sup>1</sup></b>					
>0 Year	145,708	102,859	73,365	53,013	38,673
>1 Year	145,708	102,859	73,365	53,013	38,673
>2 Year	102,738	73,240	52,301	38,071	27,828
>3 Year	74,518	53,024	38,062	27,751	20,166
>4 Year	54,466	38,999	28,058	20,307	14,407

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6n. Counts of Patients by Pre and Post Index Follow-up Time for Non-Hodgkin's Lymphoma in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	233,531	151,929	106,964	76,478	55,851
>1 Year	233,531	151,929	106,964	76,478	55,851
>2 Year	164,972	107,642	76,114	54,734	39,945
>3 Year	119,792	78,073	55,515	39,904	28,925
>4 Year	87,520	57,007	40,387	28,849	20,595
<b>Males<sup>1</sup></b>					
>0 Year	119,939	76,344	53,160	37,526	27,098
>1 Year	119,939	76,344	53,160	37,526	27,098
>2 Year	84,474	53,913	37,728	26,786	19,351
>3 Year	61,410	39,173	27,588	19,587	14,022
>4 Year	44,802	28,580	20,072	14,120	9,895
<b>Females<sup>1</sup></b>					
>0 Year	113,592	75,585	53,804	38,952	28,753
>1 Year	113,592	75,585	53,804	38,952	28,753
>2 Year	80,498	53,729	38,386	27,948	20,594
>3 Year	58,382	38,900	27,927	20,317	14,903
>4 Year	42,718	28,427	20,315	14,729	10,700

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6o. Counts of Patients by Pre and Post Index Follow-up Time for Other Endocrine Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	37,018	23,384	16,448	11,845	8,526
>1 Year	37,018	23,384	16,448	11,845	8,526
>2 Year	25,016	15,793	11,086	8,016	5,769
>3 Year	17,376	10,892	7,666	5,547	3,936
>4 Year	12,158	7,510	5,183	3,707	2,538
<b>Males<sup>1</sup></b>					
>0 Year	15,787	9,600	6,637	4,748	3,376
>1 Year	15,787	9,600	6,637	4,748	3,376
>2 Year	10,749	6,528	4,477	3,207	2,284
>3 Year	7,505	4,499	3,097	2,224	1,560
>4 Year	5,252	3,084	2,071	1,462	1,007
<b>Females<sup>1</sup></b>					
>0 Year	21,231	13,784	9,811	7,097	5,150
>1 Year	21,231	13,784	9,811	7,097	5,150
>2 Year	14,267	9,265	6,609	4,809	3,485
>3 Year	9,871	6,393	4,569	3,323	2,376
>4 Year	6,906	4,426	3,112	2,245	1,531

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6p. Counts of Patients by Pre and Post Index Follow-up Time for Pancreatic Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	88,319	35,089	20,512	13,686	9,718
>1 Year	88,319	35,089	20,512	13,686	9,718
>2 Year	66,957	25,997	15,113	10,088	7,099
>3 Year	51,225	19,348	11,256	7,474	5,223
>4 Year	39,346	14,588	8,340	5,510	3,787
<b>Males<sup>1</sup></b>					
>0 Year	44,281	16,962	9,698	6,353	4,454
>1 Year	44,281	16,962	9,698	6,353	4,454
>2 Year	33,431	12,533	7,166	4,697	3,265
>3 Year	25,392	9,305	5,332	3,454	2,363
>4 Year	19,384	6,989	3,931	2,536	1,689
<b>Females<sup>1</sup></b>					
>0 Year	44,038	18,127	10,814	7,333	5,264
>1 Year	44,038	18,127	10,814	7,333	5,264
>2 Year	33,526	13,464	7,947	5,391	3,834
>3 Year	25,833	10,043	5,924	4,020	2,860
>4 Year	19,962	7,599	4,409	2,974	2,098

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6q. Counts of Patients by Pre and Post Index Follow-up Time for Prostate Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	445,222	323,912	241,039	182,012	139,440
>1 Year	445,222	323,912	241,039	182,012	139,440
>2 Year	304,993	222,985	166,406	126,817	97,595
>3 Year	219,082	160,181	120,462	92,037	70,772
>4 Year	158,867	116,461	87,525	66,722	50,929
<b>Males<sup>1</sup></b>					
>0 Year	428,453	311,122	230,906	173,951	132,883
>1 Year	428,453	311,122	230,906	173,951	132,883
>2 Year	293,022	213,822	159,108	120,964	92,837
>3 Year	210,535	153,557	115,135	87,762	67,264
>4 Year	152,795	111,748	83,738	63,670	48,417
<b>Females<sup>1</sup></b>					
>0 Year	16,769	12,790	10,133	8,061	6,557
>1 Year	16,769	12,790	10,133	8,061	6,557
>2 Year	11,971	9,163	7,298	5,853	4,758
>3 Year	8,547	6,624	5,327	4,275	3,508
>4 Year	6,072	4,713	3,787	3,052	2,512

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6r. Counts of Patients by Pre and Post Index Follow-up Time for Rectal Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	134,549	87,236	60,926	43,665	32,152
>1 Year	134,549	87,236	60,926	43,665	32,152
>2 Year	93,456	60,660	42,434	30,464	22,270
>3 Year	66,599	43,111	30,154	21,571	15,664
>4 Year	48,042	30,955	21,482	15,334	10,950
<b>Males<sup>1</sup></b>					
>0 Year	68,836	43,791	30,151	21,351	15,610
>1 Year	68,836	43,791	30,151	21,351	15,610
>2 Year	47,572	30,370	20,946	14,850	10,784
>3 Year	33,817	21,514	14,864	10,532	7,597
>4 Year	24,390	15,425	10,603	7,465	5,304
<b>Females<sup>1</sup></b>					
>0 Year	65,713	43,445	30,775	22,314	16,542
>1 Year	65,713	43,445	30,775	22,314	16,542
>2 Year	45,884	30,290	21,488	15,614	11,486
>3 Year	32,782	21,597	15,290	11,039	8,067
>4 Year	23,652	15,530	10,879	7,869	5,646

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6s. Counts of Patients by Pre and Post Index Follow-up Time for Thyroid Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	101,940	70,719	49,906	35,716	25,895
>1 Year	101,940	70,719	49,906	35,716	25,895
>2 Year	66,753	47,037	33,444	24,372	17,778
>3 Year	46,709	33,183	23,933	17,471	12,672
>4 Year	33,217	23,807	17,210	12,524	8,897
<b>Males<sup>1</sup></b>					
>0 Year	26,792	18,291	12,786	9,075	6,524
>1 Year	26,792	18,291	12,786	9,075	6,524
>2 Year	18,180	12,547	8,807	6,348	4,591
>3 Year	12,908	8,968	6,344	4,574	3,297
>4 Year	9,268	6,474	4,595	3,302	2,328
<b>Females<sup>1</sup></b>					
>0 Year	75,148	52,428	37,120	26,641	19,371
>1 Year	75,148	52,428	37,120	26,641	19,371
>2 Year	48,573	34,490	24,637	18,024	13,187
>3 Year	33,801	24,215	17,589	12,897	9,375
>4 Year	23,949	17,333	12,615	9,222	6,569

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis

**Table 6t. Counts of Patients by Pre and Post Index Follow-up Time for Urinary Bladder Cancer in the Sentinel Distributed Database (SDD) from January 1, 2000 to August 31, 2017**

Pre-Index Enrollment	Post-Index Enrollment				
	>0 Year	>1 Year	>2 Year	>3 Year	>4 Year
<b>Total<sup>1</sup></b>					
>0 Year	156,118	105,390	75,140	54,492	39,853
>1 Year	156,118	105,390	75,140	54,492	39,853
>2 Year	112,636	75,801	53,929	39,230	28,627
>3 Year	83,756	56,236	40,073	28,941	20,931
>4 Year	63,066	42,193	29,903	21,391	15,160
<b>Males<sup>1</sup></b>					
>0 Year	108,957	73,731	52,236	37,681	27,360
>1 Year	108,957	73,731	52,236	37,681	27,360
>2 Year	78,509	53,051	37,463	27,124	19,646
>3 Year	58,462	39,371	27,851	20,049	14,367
>4 Year	44,232	29,722	20,929	14,927	10,487
<b>Females<sup>1</sup></b>					
>0 Year	47,161	31,659	22,904	16,811	12,493
>1 Year	47,161	31,659	22,904	16,811	12,493
>2 Year	34,127	22,750	16,466	12,106	8,981
>3 Year	25,294	16,865	12,222	8,892	6,564
>4 Year	18,834	12,471	8,974	6,464	4,673

<sup>1</sup>Durations across patients with at least one of the incident site-specific cancers of interest, based on the first incident cancer diagnosis



**Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (March 29, 2018)**

<b>DP ID</b>	<b>Start Date<sup>1</sup></b>	<b>End Date<sup>1</sup></b>
DP01	1/1/2008	6/30/2017
DP02	1/1/2012	6/30/2016
DP03	1/1/2006	7/31/2017
DP04	1/1/2000	6/30/2017
DP05	1/1/2000	1/31/2017
DP06	1/1/2000	3/31/2015
DP07	1/1/2000	3/31/2016
DP08	1/1/2007	7/31/2017
DP09	1/1/2000	7/31/2017
DP10	1/1/2000	7/31/2017
DP11	1/1/2005	6/30/2017
DP12	1/1/2000	7/31/2017
DP13	1/1/2000	8/31/2017
DP14	1/1/2004	10/31/2015
DP15	1/1/2008	3/31/2017
DP16	1/1/2000	12/31/2016

<sup>1</sup>The start and end dates are based on the minimum and maximum dates within each DP. The month with the maximum date must have at least 80% of the number of records in the previous month.

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
<b>Anal Cancer</b>			
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
C21.1	Malignant neoplasm of anal canal	Diagnosis	ICD-10-CM
C21.0	Malignant neoplasm of anus, unspecified	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
<b>Breast Cancer, Female</b>			
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
C50.019	Malignant neoplasm of nipple and areola, unspecified female breast	Diagnosis	ICD-10-CM
C50.119	Malignant neoplasm of central portion of unspecified female breast	Diagnosis	ICD-10-CM
C50.219	Malignant neoplasm of upper-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.319	Malignant neoplasm of lower-inner quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.419	Malignant neoplasm of upper-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.519	Malignant neoplasm of lower-outer quadrant of unspecified female breast	Diagnosis	ICD-10-CM
C50.619	Malignant neoplasm of axillary tail of unspecified female breast	Diagnosis	ICD-10-CM
C50.819	Malignant neoplasm of overlapping sites of unspecified female breast	Diagnosis	ICD-10-CM
C50.919	Malignant neoplasm of unspecified site of unspecified female breast	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
C50.111	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
C50.211	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
C50.311	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
C50.411	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
C50.511	Malignant neoplasm of lower-outer quadrant of right female breast	Diagnosis	ICD-10-CM

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C50.512	Malignant neoplasm of lower-outer quadrant of left female breast	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
C50.811	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
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
<b>Breast Cancer, Male</b>			
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
C50.029	Malignant neoplasm of nipple and areola, unspecified male breast	Diagnosis	ICD-10-CM
C50.929	Malignant neoplasm of unspecified site of unspecified male breast	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
C50.121	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
C50.221	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
C50.321	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
C50.421	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
C50.521	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
C50.621	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
C50.821	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
C50.921	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
<b>Cervical Cancer</b>			
180	Malignant neoplasm of cervix uteri	Diagnosis	ICD-9-CM

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
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
<b>Colon Cancer</b>			
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
C18.3	Malignant neoplasm of hepatic flexure	Diagnosis	ICD-10-CM
C18.4	Malignant neoplasm of transverse colon	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
C18.0	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
C18.5	Malignant neoplasm of splenic flexure	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
<b>Endometrial Cancer</b>			
179	Malignant neoplasm of uterus, part unspecified	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
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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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
<b>Esophageal Cancer</b>			
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
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
<b>Kidney, Renal, and Pelvic Cancer</b>			
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
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
C65.1	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
<b>Leukemia</b>			
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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
202.48	Leukemic reticuloendotheliosis of lymph nodes of multiple sites	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
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
204.1	Chronic lymphoid leukemia	Diagnosis	ICD-9-CM
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
204.2	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
204.8	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
204.9	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
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
205.1	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
205.2	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
205.3	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
205.8	Other myeloid leukemia	Diagnosis	ICD-9-CM
205.80	Other myeloid leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
205.81	Other myeloid leukemia in remission	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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
206.1	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
206.2	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
206.8	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
206.9	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
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
207.1	Chronic erythremia	Diagnosis	ICD-9-CM
207.10	Chronic erythremia, without mention of having achieved remission	Diagnosis	ICD-9-CM
207.11	Chronic erythremia in remission	Diagnosis	ICD-9-CM
207.2	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
207.8	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
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
208.1	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
208.8	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
208.9	Unspecified leukemia	Diagnosis	ICD-9-CM
208.90	Unspecified leukemia, without mention of having achieved remission	Diagnosis	ICD-9-CM
208.91	Unspecified leukemia in remission	Diagnosis	ICD-9-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
C91.00	Acute lymphoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.01	Acute lymphoblastic leukemia, in remission	Diagnosis	ICD-10-CM
C91.10	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
C91.30	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
C91.40	Hairy cell leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.41	Hairy cell leukemia, in remission	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
C91.60	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
C91.90	Lymphoid leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C91.91	Lymphoid leukemia, unspecified, in remission	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.Z0	Other lymphoid leukemia not having achieved remission	Diagnosis	ICD-10-CM
C91.Z1	Other lymphoid leukemia, in remission	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
C92.10	Chronic myeloid leukemia, BCR/ABL-positive, not having achieved remission	Diagnosis	ICD-10-CM
C92.11	Chronic myeloid leukemia, BCR/ABL-positive, in remission	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
C92.30	Myeloid sarcoma, not having achieved remission	Diagnosis	ICD-10-CM



**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C92.31	Myeloid sarcoma, in remission	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
C92.50	Acute myelomonocytic leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C92.51	Acute myelomonocytic leukemia, in remission	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
C92.90	Myeloid leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C92.91	Myeloid leukemia, unspecified in remission	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.Z0	Other myeloid leukemia not having achieved remission	Diagnosis	ICD-10-CM
C92.Z1	Other myeloid leukemia, in remission	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
C93.10	Chronic myelomonocytic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C93.11	Chronic myelomonocytic leukemia, in remission	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
C93.90	Monocytic leukemia, unspecified, not having achieved remission	Diagnosis	ICD-10-CM
C93.91	Monocytic leukemia, unspecified in remission	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
C94.00	Acute erythroid leukemia, not having achieved remission	Diagnosis	ICD-10-CM
C94.01	Acute erythroid leukemia, in remission	Diagnosis	ICD-10-CM
C94.20	Acute megakaryoblastic leukemia not having achieved remission	Diagnosis	ICD-10-CM
C94.21	Acute megakaryoblastic leukemia, in remission	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
C94.80	Other specified leukemias not having achieved remission	Diagnosis	ICD-10-CM
C94.81	Other specified leukemias, in remission	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
C95.10	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
C95.90	Leukemia, unspecified not having achieved remission	Diagnosis	ICD-10-CM
C95.91	Leukemia, unspecified, in remission	Diagnosis	ICD-10-CM

**Liver and Intrahepatic Bile Duct Cancer**

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
C22.3	Angiosarcoma of liver	Diagnosis	ICD-10-CM
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
<b>Lung and Bronchial Cancer</b>			
162	Malignant neoplasm of trachea, bronchus, and lung	Diagnosis	ICD-9-CM
162.2	Malignant neoplasm of main bronchus	Diagnosis	ICD-9-CM
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
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
C34.10	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
C34.30	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
C34.80	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
C34.90	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
<b>Melanoma</b>			
172	Malignant melanoma of skin	Diagnosis	ICD-9-CM
172.0	Malignant melanoma of skin of lip	Diagnosis	ICD-9-CM
172.1	Malignant melanoma of skin of eyelid, including canthus	Diagnosis	ICD-9-CM
172.2	Malignant melanoma of skin of ear and external auditory canal	Diagnosis	ICD-9-CM
172.3	Malignant melanoma of skin of other and unspecified parts of face	Diagnosis	ICD-9-CM
172.4	Malignant melanoma of skin of scalp and neck	Diagnosis	ICD-9-CM
172.5	Malignant melanoma of skin of trunk, except scrotum	Diagnosis	ICD-9-CM
172.6	Malignant melanoma of skin of upper limb, including shoulder	Diagnosis	ICD-9-CM

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
172.7	Malignant melanoma of skin of lower limb, including hip	Diagnosis	ICD-9-CM
172.8	Malignant melanoma of other specified sites of skin	Diagnosis	ICD-9-CM
172.9	Melanoma of skin, site unspecified	Diagnosis	ICD-9-CM
C43.0	Malignant melanoma of lip	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
C43.12	Malignant melanoma of left eyelid, including canthus	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
C43.30	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
C43.51	Malignant melanoma of anal skin	Diagnosis	ICD-10-CM
C43.52	Malignant melanoma of skin of breast	Diagnosis	ICD-10-CM
C43.59	Malignant melanoma of other part of trunk	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
C43.70	Malignant melanoma of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
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
C43.8	Malignant melanoma of overlapping sites of skin	Diagnosis	ICD-10-CM
C43.9	Malignant melanoma of skin, unspecified	Diagnosis	ICD-10-CM
D03.0	Melanoma in situ of lip	Diagnosis	ICD-10-CM
D03.10	Melanoma in situ of unspecified eyelid, including canthus	Diagnosis	ICD-10-CM
D03.11	Melanoma in situ of right eyelid, including canthus	Diagnosis	ICD-10-CM
D03.12	Melanoma in situ of left eyelid, including canthus	Diagnosis	ICD-10-CM
D03.20	Melanoma in situ of unspecified ear and external auricular canal	Diagnosis	ICD-10-CM
D03.21	Melanoma in situ of right ear and external auricular canal	Diagnosis	ICD-10-CM
D03.22	Melanoma in situ of left ear and external auricular canal	Diagnosis	ICD-10-CM
D03.30	Melanoma in situ of unspecified part of face	Diagnosis	ICD-10-CM
D03.39	Melanoma in situ of other parts of face	Diagnosis	ICD-10-CM
D03.4	Melanoma in situ of scalp and neck	Diagnosis	ICD-10-CM
D03.51	Melanoma in situ of anal skin	Diagnosis	ICD-10-CM
D03.52	Melanoma in situ of breast (skin) (soft tissue)	Diagnosis	ICD-10-CM
D03.59	Melanoma in situ of other part of trunk	Diagnosis	ICD-10-CM
D03.60	Melanoma in situ of unspecified upper limb, including shoulder	Diagnosis	ICD-10-CM
D03.61	Melanoma in situ of right upper limb, including shoulder	Diagnosis	ICD-10-CM

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
D03.62	Melanoma in situ of left upper limb, including shoulder	Diagnosis	ICD-10-CM
D03.70	Melanoma in situ of unspecified lower limb, including hip	Diagnosis	ICD-10-CM
D03.71	Melanoma in situ of right lower limb, including hip	Diagnosis	ICD-10-CM
D03.72	Melanoma in situ of left lower limb, including hip	Diagnosis	ICD-10-CM
D03.8	Melanoma in situ of other sites	Diagnosis	ICD-10-CM
D03.9	Melanoma in situ, unspecified	Diagnosis	ICD-10-CM
<b>Non-Hodgkin's Lymphoma</b>			
	Lymphosarcoma and reticulosarcoma and other specified malignant tumors of lymphatic tissue		ICD-9-CM
200	lymphatic tissue	Diagnosis	ICD-9-CM
200.00	Reticulosarcoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.0	Reticulosarcoma	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
200.20	Burkitt's tumor or lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.2	Burkitt's tumor or lymphoma	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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
200.40	Mantle cell lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.4	Mantle cell lymphoma	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
200.50	Primary central nervous system lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.5	Primary central nervous system lymphoma	Diagnosis	ICD-9-CM
200.51	Primary central nervous system lymphoma, lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
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
200.60	Anaplastic large cell lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.6	Anaplastic large cell lymphoma	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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
200.80	Other named variants, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
200.8	Other named variants of lymphosarcoma and reticulosarcoma	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
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
202.00	Nodular lymphoma, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.0	Nodular lymphoma	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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
202.10	Mycosis fungoides, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.1	Mycosis fungoides	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
202.20	Sezary's disease, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.2	Sezary's disease	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
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
202.8	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
202.90	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue, unspecified site, extranodal and solid organ sites	Diagnosis	ICD-9-CM
202.9	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue	Diagnosis	ICD-9-CM

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
202.91	Other and unspecified malignant neoplasms of lymphoid and histiocytic tissue of lymph nodes of head, face, and neck	Diagnosis	ICD-9-CM
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
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
C82.10	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
C82.20	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 B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
C82.30	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
C82.40	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
C82.50	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
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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
C82.60	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
C82.80	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
C82.90	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
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
C83.00	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
C83.10	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
C83.30	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
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
C83.50	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
C83.70	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
C83.80	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
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
C83.90	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
C84.00	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
C84.09	Mycosis fungoides, extranodal and solid organ sites	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
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
C84.60	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
C84.70	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
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
C84.90	Mature T/NK-cell lymphomas, unspecified, unspecified site	Diagnosis	ICD-10-CM

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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.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.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
C85.10	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
C85.20	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
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
C85.90	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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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
C86.0	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
C88.4	Extranodal marginal zone B-cell lymphoma of mucosa-associated lymphoid tissue [MALT-lymphoma]	Diagnosis	ICD-10-CM
C96.4	Sarcoma of dendritic cells (accessory cells)	Diagnosis	ICD-10-CM
C96.9	Malignant neoplasm of lymphoid, hematopoietic and related tissue, unspecified	Diagnosis	ICD-10-CM
C96.Z	Other specified malignant neoplasms of lymphoid, hematopoietic and related tissue	Diagnosis	ICD-10-CM
<b>Other Endocrine Cancer</b>			
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
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
C74.10	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
C74.90	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
C74.92	Malignant neoplasm of unspecified part of left adrenal gland	Diagnosis	ICD-10-CM
C75.0	Malignant neoplasm of parathyroid gland	Diagnosis	ICD-10-CM



**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

Code	Description	Code Type	Code Category
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
<b>Pancreatic Cancer</b>			
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
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
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
<b>Prostate Cancer</b>			
185	Malignant neoplasm of prostate	Diagnosis	ICD-9-CM
C61	Malignant neoplasm of prostate	Diagnosis	ICD-10-CM
<b>Rectal Cancer</b>			
154.0	Malignant neoplasm of rectosigmoid junction	Diagnosis	ICD-9-CM
154.1	Malignant neoplasm of rectum	Diagnosis	ICD-9-CM
C19	Malignant neoplasm of rectosigmoid junction	Diagnosis	ICD-10-CM
C20	Malignant neoplasm of rectum	Diagnosis	ICD-10-CM
<b>Thyroid Cancer</b>			
193	Malignant neoplasm of thyroid gland	Diagnosis	ICD-9-CM
C73	Malignant neoplasm of thyroid gland	Diagnosis	ICD-10-CM
<b>Urinary Bladder Cancer</b>			
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

**Appendix B: List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Exposures in this Report**

<b>Code</b>	<b>Description</b>	<b>Code Type</b>	<b>Code Category</b>
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
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

### Appendix C. Specifications Defining Parameters Used in this Request

This request executed Sentinel's Cohort Identification and Descriptive Analysis (CIDA) tool, version 5.0.3 with additional ad hoc programming, to describe the duration of follow-up among patients prior to and after the first cancer diagnosis observed in the Sentinel Distributed Database (SDD).

**Query Period:** 1/1/2000 - Most Recent available Data

**Enrollment Gap:** 45 days

**Enrollment Requirement:** 365 days

**Age Groups:** 0-44, 45-64, 65+ years

**Coverage Requirement:** Medical and Drug Coverage

**Enrollment (Pre and Post Index) Categories:** All, >1 year, >2 years, >3 years, >4 years

Scenario	Event						Outcome		
	Incident Exposure	Care Setting	Incident with Respect to	Incidence Care Setting	Washout (Days)	Cohort Definition	ITT (Intent to Treat) Days	Censor due to Evidence of Death	
1	All Listed Cancer Sites	Any	All Cancer Sites	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
2	Anal Cancer	Any	Anus Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
3	Breast Cancer, Female	Any	Breast Cancer, Female	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
4	Breast Cancer, Male	Any	Breast Cancer, Male	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
5	Cervical Cancer	Any	Cervical Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
6	Colon Cancer	Any	Colon Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
7	Endometrial Cancer	Any	Endometrial Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)

**Appendix C. Specifications Defining Parameters Used in this Request**

Scenario	Event							Outcome	
	Incident Exposure	Care Setting	Incident with Respect to	Incidence Care Setting	Washout (Days)	Cohort Definition	ITT (Intent to Treat) Days	Censor due to Evidence of Death	
8	Esophagus Cancer	Any	Esophagus Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
9	Kidney and Renal Pelvis Cancer	Any	Kidney and Renal Pelvis Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
10	Leukemia	Any	Leukemia	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
11	Liver and Intrahepatic Bile Duct Cancer	Any	Liver and Intrahepatic Bile Duct Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
12	Lung and Bronchus Cancer	Any	Lung and Bronchus Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
13	Melanoma	Any	Melanoma	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
14	Non-Hodgkin's Lymphoma	Any	Non-Hodgkin's Lymphoma	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
15	Other Endocrine Cancer	Any	Other Endocrine Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
16	Pancreatic Cancer	Any	Pancreatic Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)

**Appendix C. Specifications Defining Parameters Used in this Request**

Scenario	Event								Outcome
	Incident Exposure	Care Setting	Incident with Respect to	Incidence Care Setting	Washout (Days)	Cohort Definition	ITT (Intent to Treat) Days	Censor due to Evidence of Death	
17	Prostate Cancer	Any	Prostate Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
18	Rectal Cancer	Any	Rectal Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
19	Thyroid Cancer	Any	Thyroid Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)
20	Urinary Bladder Cancer	Any	Urinary Bladder Cancer	Any	365	01 : Include the first valid event only	8,000	Yes	Dummy (for follow-up)

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes are provided by Optum360.