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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).

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Overview

Date Run: July 13, 2017

Request Description: The purpose of this report was to compare the frequency of diagnoses for serious infections using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) versus International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes. ICD-10-CM code definitions were determined by mapping from ICD-9-CM code definitions using the Centers for Medicare and Medicaid Services (CMS) General Equivalence Mappings (GEMs). Forward-backward mapping (FBM) was used to map ICD-9-CM to ICD-10-CM codes.¹

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 3.3.6

Data Source: This request was run against the IBM® MarketScan® Commercial Claims and Encounters Database and Medicare Supplemental Database, which included 121 million members. Data from October 1, 2010 to March 31, 2016 were included in this report. The report includes three separate time periods: 1) October 1, 2010 to March 31, 2016; 2) January 1, 2015 to March 31, 2015; and 3) January 1, 2016 to March 31, 2016. See Appendix A for the dates of available data used in this report.

Study Design: We examined the incidence of serious infections across the ICD-9-CM era (October 2010 - September 2015) and ICD-10-CM era (October 2015 - June 2016), and additionally from January 2015 to March 2015, and from January 2016 to March 2016 in the United States. See Appendix B for specific codes used to define serious infections in this request.

Cohort Eligibility Criteria: Members included in the cohort were required to be continuously enrolled in health plans with medical coverage for at least six months (183 days) before their diagnosis date, during which gaps in coverage of up to 45 days were allowed. Incident serious infections were defined as no previous serious infection diagnosis in the 183 days preceding the index date with respect to ICD-9-CM and ICD-10-CM codes. The following age groups were included in the cohort: 2-17, 18-44, 45-64, and 65+ years.

Please see Appendix C for detailed specifications of parameters used in the analyses for this request.

Limitations: Algorithms used to define outcomes are imperfect; thus, it is possible that there may be misclassification. Therefore, data should be interpreted with this limitation in mind. The MarketScan claims databases are based on a large convenience sample. Because the sample is not random, it may contain biases or fail to generalize well to other populations. Data come mostly from large employers; medium and small firms may be underrepresented.²

Notes: Please contact the Sentinel Operations Center (info@sentinelssystem.org) for questions and to provide comments/suggestions for future enhancements to this document.

¹Fung, K. W., et al. (2016). "Preparing for the ICD-10-CM Transition: Automated Methods for Translating ICD Codes in Clinical Phenotype Definitions." EGEMS (Wash DC) 4(1): 1211.

²IBM Watson Health (2018). [online] [ibm.com](https://www.ibm.com/downloads/cas/OWZWJ0QO). Available at: <https://www.ibm.com/downloads/cas/OWZWJ0QO> [Accessed 01 Mar. 2019].

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

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per 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, 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 MP algorithm: 0: Counts all occurrences of an 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 days 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.

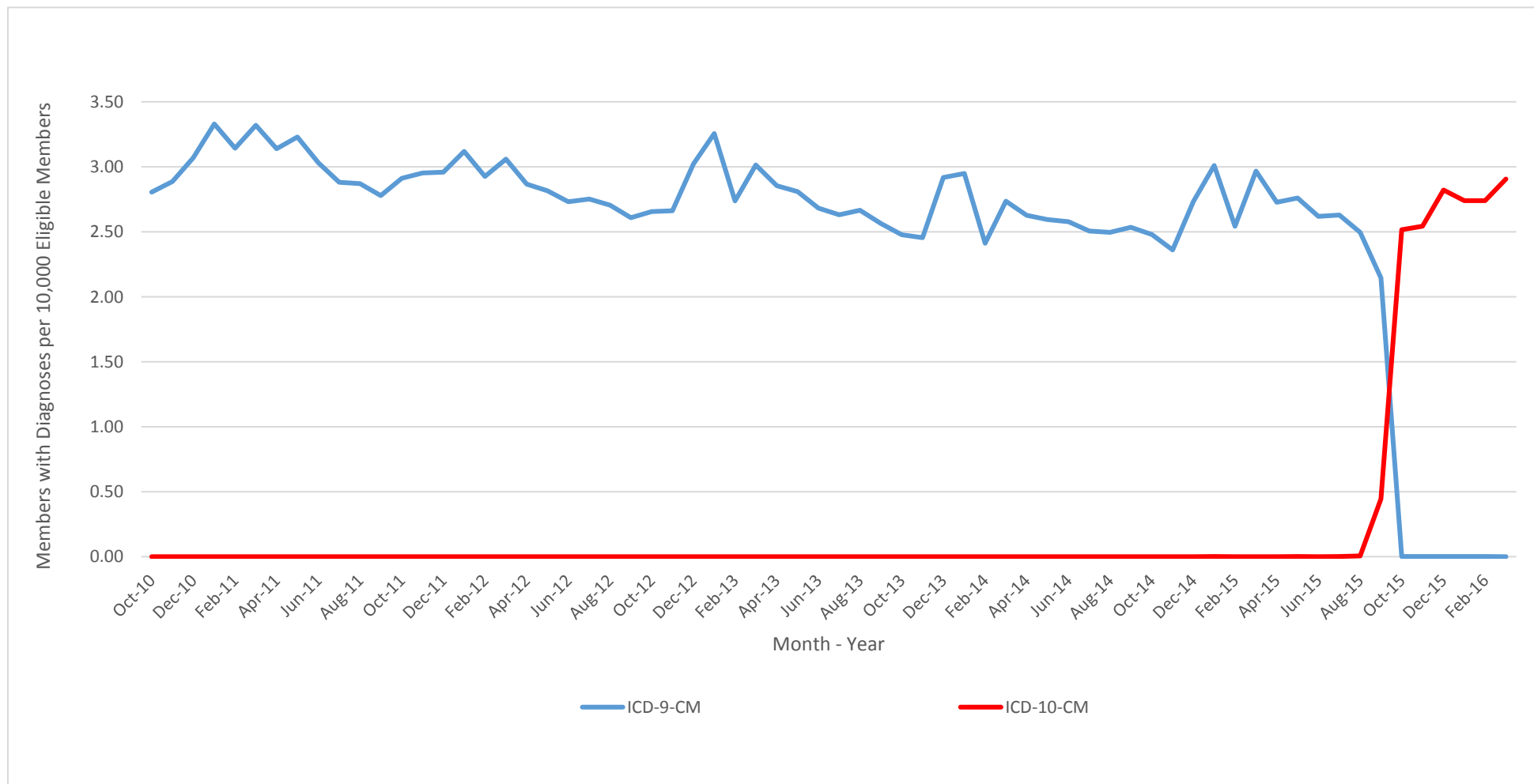
*all terms may not be used in this report

Table 1. Comparison of Incident* Serious Infection Diagnoses in the International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Eras (January 1, 2015 - March 31, 2015 and January 1, 2016 - March 31, 2016)

	Members with Diagnosis	Eligible Members	Members with Diagnosis per 10,000 Eligible Members
Serious Infection			
ICD-9-CM: January 1, 2015 - March 31, 2015			
	19,995	21,526,755	9.29
ICD-10-CM: January 1, 2016 - March 31, 2016			
	19,127	22,087,344	8.66

*Incidence defined by a 90 day washout

Figure 1. Incidence of Serious Infection Diagnoses per 10,000 Eligible Members from October 2010 - March 2016 by Code Type, 183-Day Washout



Appendix A. Dates Available for IBM® MarketScan® Commercial and Medicare Supplemental Databases

Databases	Start Date	End Date
IBM MarketScan Commercial and Medicare Supplemental Databases ¹	1/1/2010	3/31/2016

¹ The IBM MarketScan Databases includes a sample of 121 million employees, dependents, and retirees in the United States with primary or Medicare supplemental coverage through privately insured fee-for-service, point-of-service, or capitated health plans. The IBM MarketScan claims databases are based on a large convenience sample. Because the sample is not random, it may contain biases or fail to generalize well to other populations. Data come mostly from large employers; medium and small firms may be underrepresented. For more information on the IBM MarketScan Databases, please review the White Paper here: <https://www.ibm.com/downloads/cas/OWZWJ0QO>

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 Serious Infections

Code	Description	Code Type
ICD-9-CM		
001	Cholera	ICD-9-CM
001.0	Cholera due to <i>Vibrio cholerae</i>	ICD-9-CM
001.1	Cholera due to <i>Vibrio cholerae</i> el tor	ICD-9-CM
001.9	Unspecified cholera	ICD-9-CM
002	Typhoid and paratyphoid fevers	ICD-9-CM
002.0	Typhoid fever	ICD-9-CM
002.1	Paratyphoid fever A	ICD-9-CM
002.2	Paratyphoid fever B	ICD-9-CM
002.3	Paratyphoid fever C	ICD-9-CM
002.9	Unspecified paratyphoid fever	ICD-9-CM
003	Other salmonella infections	ICD-9-CM
003.0	Salmonella gastroenteritis	ICD-9-CM
003.1	Salmonella septicemia	ICD-9-CM
003.2	Localized salmonella infections	ICD-9-CM
003.20	Unspecified localized salmonella infection	ICD-9-CM
003.21	Salmonella meningitis	ICD-9-CM
003.22	Salmonella pneumonia	ICD-9-CM
003.23	Salmonella arthritis	ICD-9-CM
003.24	Salmonella osteomyelitis	ICD-9-CM
003.29	Other localized salmonella infections	ICD-9-CM
003.8	Other specified salmonella infections	ICD-9-CM
003.9	Unspecified salmonella infection	ICD-9-CM
004	Shigellosis	ICD-9-CM
004.0	<i>Shigella dysenteriae</i>	ICD-9-CM
004.1	<i>Shigella flexneri</i>	ICD-9-CM
004.2	<i>Shigella boydii</i>	ICD-9-CM
004.3	<i>Shigella sonnei</i>	ICD-9-CM
004.8	Other specified shigella infections	ICD-9-CM
004.9	Unspecified shigellosis	ICD-9-CM
005	Other food poisoning (bacterial)	ICD-9-CM
005.0	Staphylococcal food poisoning	ICD-9-CM
005.1	Botulism food poisoning	ICD-9-CM
005.2	Food poisoning due to <i>Clostridium perfringens</i> (C. welchii)	ICD-9-CM
005.3	Food poisoning due to other Clostridia	ICD-9-CM
005.4	Food poisoning due to <i>Vibrio parahaemolyticus</i>	ICD-9-CM
005.8	Other bacterial food poisoning	ICD-9-CM
005.81	Food poisoning due to <i>Vibrio vulnificus</i>	ICD-9-CM
005.89	Other bacterial food poisoning	ICD-9-CM
005.9	Unspecified food poisoning	ICD-9-CM
008	Intestinal infections due to other organisms	ICD-9-CM
008.0	Intestinal infection due to <i>Escherichia coli</i> (E. coli)	ICD-9-CM
008.00	Intestinal infection due to unspecified E. coli	ICD-9-CM
008.01	Intestinal infection due to enteropathogenic E. coli	ICD-9-CM
008.02	Intestinal infection due to enterotoxigenic E. coli	ICD-9-CM
008.03	Intestinal infection due to enteroinvasive E. coli	ICD-9-CM
008.04	Intestinal infection due to enterohemorrhagic E. coli	ICD-9-CM

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Code	Description	Code Type
008.09	Intestinal infection due to other intestinal E. coli infections	ICD-9-CM
008.1	Intestinal infection due to Arizona group of paracolon bacilli	ICD-9-CM
008.2	Intestinal infection due to aerobacter aerogenes	ICD-9-CM
008.3	Intestinal infections due to proteus (mirabilis) (morganii)	ICD-9-CM
008.4	Intestinal infections due to other specified bacteria	ICD-9-CM
008.41	Intestinal infections due to staphylococcus	ICD-9-CM
008.42	Intestinal infections due to pseudomonas	ICD-9-CM
008.43	Intestinal infections due to campylobacter	ICD-9-CM
008.44	Intestinal infections due to yersinia enterocolitica	ICD-9-CM
008.45	Intestinal infections due to clostridium difficile	ICD-9-CM
008.46	Intestinal infections due to other anaerobes	ICD-9-CM
008.47	Intestinal infections due to other gram-negative bacteria	ICD-9-CM
008.49	Intestinal infection due to other organisms	ICD-9-CM
008.5	Intestinal infection due to unspecified bacterial enteritis	ICD-9-CM
008.6	Intestinal infection, enteritis due to specified virus	ICD-9-CM
008.61	Intestinal infection, enteritis due to rotavirus	ICD-9-CM
008.62	Intestinal infection, enteritis due to adenovirus	ICD-9-CM
008.63	Intestinal infection, enteritis due to Norwalk virus	ICD-9-CM
008.64	Intestinal infection, enteritis due to other small round viruses (SRVs)	ICD-9-CM
008.65	Enteritis due to calicivirus	ICD-9-CM
008.66	Intestinal infection, enteritis due to astrovirus	ICD-9-CM
008.67	Intestinal infection, enteritis due to enterovirus not elsewhere classified	ICD-9-CM
008.69	Intestinal infection, enteritis due to other viral enteritis	ICD-9-CM
008.8	Intestinal infection due to other organism, NEC	ICD-9-CM
009	Ill-defined intestinal infections	ICD-9-CM
009.0	Infectious colitis, enteritis, and gastroenteritis	ICD-9-CM
009.1	Colitis, enteritis, and gastroenteritis of presumed infectious origin	ICD-9-CM
009.2	Infectious diarrhea	ICD-9-CM
009.3	Diarrhea of presumed infectious origin	ICD-9-CM
032.81	Conjunctival diphtheria	ICD-9-CM
034.0	Streptococcal sore throat	ICD-9-CM
034	Streptococcal sore throat and scarlet fever	ICD-9-CM
034.1	Scarlet fever	ICD-9-CM
035	Erysipelas	ICD-9-CM
036.0	Meningococcal meningitis	ICD-9-CM
036.1	Meningococcal encephalitis	ICD-9-CM
036.42	Meningococcal endocarditis	ICD-9-CM
038	Septicemia	ICD-9-CM
038.0	Streptococcal septicemia	ICD-9-CM
038.1	Staphylococcal septicemia	ICD-9-CM
038.10	Unspecified staphylococcal septicemia	ICD-9-CM
038.11	Methicillin susceptible Staphylococcus aureus septicemia	ICD-9-CM
038.12	Methicillin resistant Staphylococcus aureus septicemia	ICD-9-CM
038.19	Other staphylococcal septicemia	ICD-9-CM
038.2	Pneumococcal septicemia	ICD-9-CM
038.3	Septicemia due to anaerobes	ICD-9-CM
038.4	Septicemia due to other gram-negative organisms	ICD-9-CM

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Code	Description	Code Type
038.40	Septicemia due to unspecified gram-negative organism	ICD-9-CM
038.41	Septicemia due to hemophilus influenzae (H. influenzae)	ICD-9-CM
038.42	Septicemia due to Escherichia coli (E. coli)	ICD-9-CM
038.43	Septicemia due to pseudomonas	ICD-9-CM
038.44	Septicemia due to serratia	ICD-9-CM
038.49	Other septicemia due to gram-negative organism	ICD-9-CM
038.8	Other specified septicemia	ICD-9-CM
038.9	Unspecified septicemia	ICD-9-CM
040.0	Gas gangrene	ICD-9-CM
040.81	Tropical pyomyositis	ICD-9-CM
041	Bacterial infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.0	Streptococcus infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.00	Unspecified streptococcus infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.01	Streptococcus infection in conditions classified elsewhere and of unspecified site, group A	ICD-9-CM
041.02	Streptococcus infection in conditions classified elsewhere and of unspecified site, group B	ICD-9-CM
041.03	Streptococcus infection in conditions classified elsewhere and of unspecified site, group C	ICD-9-CM
041.04	Streptococcus infection in conditions classified elsewhere and of unspecified site, group D [Enterococcus]	ICD-9-CM
041.05	Streptococcus infection in conditions classified elsewhere and of unspecified site, group G	ICD-9-CM
041.09	Other streptococcus infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.1	Staphylococcus infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.10	Unspecified staphylococcus infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.11	Methicillin susceptible Staphylococcus aureus	ICD-9-CM
041.12	Methicillin resistant Staphylococcus aureus	ICD-9-CM
041.19	Other staphylococcus infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.2	Pneumococcus infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.3	Klebsiella pneumoniae infection	ICD-9-CM
041.4	Escherichia coli (E. coli) infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.41	Shiga toxin-producing Escherichia coli [E. coli] (STEC) O157 infection in conditions classified	ICD-9-CM
041.42	Other specified Shiga toxin-producing Escherichia coli [E. coli] (STEC) infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.43	Unspecified Shiga toxin-producing Escherichia coli [E. coli] (STEC) infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.49	Other and unspecified Escherichia coli [E. coli] infection in conditions classified elsewhere and	ICD-9-CM
041.5	Hemophilus influenzae (H. influenzae) infection in conditions classified elsewhere and of	ICD-9-CM
041.6	Proteus (mirabilis) (morganii) infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.7	Pseudomonas infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.8	Other specified bacterial infections in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.81	Mycoplasma infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.82	Bacterial infection in conditions classified elsewhere, Bacteroides fragilis	ICD-9-CM
041.83	Clostridium perfringens infection in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.84	Infection due to other anaerobes in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.85	Infection due to other gram-negative organisms in conditions classified elsewhere and of	ICD-9-CM
041.86	Helicobacter pylori [H. pylori] infection	ICD-9-CM

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Code	Description	Code Type
041.89	Infection due to other specified bacteria in conditions classified elsewhere and of unspecified site	ICD-9-CM
041.9	Bacterial infection, unspecified, in conditions classified elsewhere and of unspecified site	ICD-9-CM
049.0	Lymphocytic choriomeningitis	ICD-9-CM
054.3	Herpetic meningoencephalitis	ICD-9-CM
056.71	Arthritis due to rubella	ICD-9-CM
062	Mosquito-borne viral encephalitis	ICD-9-CM
062.0	Japanese encephalitis	ICD-9-CM
062.1	Western equine encephalitis	ICD-9-CM
062.2	Eastern equine encephalitis	ICD-9-CM
062.3	St. Louis encephalitis	ICD-9-CM
062.4	Australian encephalitis	ICD-9-CM
062.5	California virus encephalitis	ICD-9-CM
062.8	Other specified mosquito-borne viral encephalitis	ICD-9-CM
062.9	Unspecified mosquito-borne viral encephalitis	ICD-9-CM
063	Tick-borne viral encephalitis	ICD-9-CM
063.0	Russian spring-summer (taiga) encephalitis	ICD-9-CM
063.1	Louping ill	ICD-9-CM
063.2	Central European encephalitis	ICD-9-CM
063.8	Other specified tick-borne viral encephalitis	ICD-9-CM
063.9	Unspecified tick-borne viral encephalitis	ICD-9-CM
064	Viral encephalitis transmitted by other and unspecified arthropods	ICD-9-CM
066.4	West Nile fever	ICD-9-CM
066.40	West Nile fever, unspecified	ICD-9-CM
066.41	West Nile fever with encephalitis	ICD-9-CM
066.42	West Nile fever with other neurologic manifestation	ICD-9-CM
066.49	West Nile fever with other complications	ICD-9-CM
091.81	Early syphilis, acute syphilitic meningitis (secondary)	ICD-9-CM
093.2	Syphilitic endocarditis	ICD-9-CM
093.20	Unspecified syphilitic endocarditis of valve	ICD-9-CM
093.21	Syphilitic endocarditis, mitral valve	ICD-9-CM
093.22	Syphilitic endocarditis, aortic valve	ICD-9-CM
093.23	Syphilitic endocarditis, tricuspid valve	ICD-9-CM
093.24	Syphilitic endocarditis, pulmonary valve	ICD-9-CM
094.2	Syphilitic meningitis	ICD-9-CM
094.81	Syphilitic encephalitis	ICD-9-CM
095.2	Syphilitic peritonitis	ICD-9-CM
098.12	Gonococcal prostatitis (acute)	ICD-9-CM
098.32	Gonococcal prostatitis, chronic	ICD-9-CM
098.5	Gonococcal infection of joint	ICD-9-CM
098.50	Gonococcal arthritis	ICD-9-CM
098.51	Gonococcal synovitis and tenosynovitis	ICD-9-CM
098.52	Gonococcal bursitis	ICD-9-CM
098.53	Gonococcal spondylitis	ICD-9-CM
098.59	Other gonococcal infection of joint	ICD-9-CM
098.82	Gonococcal meningitis	ICD-9-CM
098.84	Gonococcal endocarditis	ICD-9-CM

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Code	Description	Code Type
130	Toxoplasmosis	ICD-9-CM
130.0	Meningoencephalitis due to toxoplasmosis	ICD-9-CM
130.1	Conjunctivitis due to toxoplasmosis	ICD-9-CM
130.2	Chorioretinitis due to toxoplasmosis	ICD-9-CM
130.3	Myocarditis due to toxoplasmosis	ICD-9-CM
130.4	Pneumonitis due to toxoplasmosis	ICD-9-CM
130.5	Hepatitis due to toxoplasmosis	ICD-9-CM
130.7	Toxoplasmosis of other specified sites	ICD-9-CM
130.8	Multisystemic disseminated toxoplasmosis	ICD-9-CM
130.9	Unspecified toxoplasmosis	ICD-9-CM
131.03	Trichomonal prostatitis	ICD-9-CM
320	Bacterial meningitis	ICD-9-CM
320.0	Hemophilus meningitis	ICD-9-CM
320.1	Pneumococcal meningitis	ICD-9-CM
320.2	Streptococcal meningitis	ICD-9-CM
320.3	Staphylococcal meningitis	ICD-9-CM
320.7	Meningitis in other bacterial diseases classified elsewhere	ICD-9-CM
320.8	Meningitis due to other specified bacteria	ICD-9-CM
320.81	Anaerobic meningitis	ICD-9-CM
320.82	Meningitis due to gram-negative bacteria, not elsewhere classified	ICD-9-CM
320.89	Meningitis due to other specified bacteria	ICD-9-CM
320.9	Meningitis due to unspecified bacterium	ICD-9-CM
323.0	Encephalitis, myelitis, and encephalomyelitis in viral diseases classified elsewhere	ICD-9-CM
323.01	Encephalitis and encephalomyelitis in viral diseases classified elsewhere	ICD-9-CM
323.02	Myelitis in viral diseases classified elsewhere	ICD-9-CM
323.1	Encephalitis, myelitis, and encephalomyelitis in rickettsial diseases classified elsewhere	ICD-9-CM
323.2	Encephalitis, myelitis, and encephalomyelitis in protozoal diseases classified elsewhere	ICD-9-CM
323.4	Other encephalitis, myelitis, and encephalomyelitis due to other infections classified elsewhere	ICD-9-CM
323.41	Other encephalitis and encephalomyelitis due to other infections classified elsewhere	ICD-9-CM
323.42	Other myelitis due to other infections classified elsewhere	ICD-9-CM
324	Intracranial and intraspinal abscess	ICD-9-CM
324.0	Intracranial abscess	ICD-9-CM
324.1	Intraspinal abscess	ICD-9-CM
324.9	Intracranial and intraspinal abscess of unspecified site	ICD-9-CM
376.03	Orbital osteomyelitis	ICD-9-CM
381.5	Eustachian salpingitis	ICD-9-CM
381.50	Unspecified Eustachian salpingitis	ICD-9-CM
381.51	Acute Eustachian salpingitis	ICD-9-CM
381.52	Chronic Eustachian salpingitis	ICD-9-CM
382.00	Acute suppurative otitis media without spontaneous rupture of eardrum	ICD-9-CM
382.0	Acute suppurative otitis media	ICD-9-CM
382	Suppurative and unspecified otitis media	ICD-9-CM
382.01	Acute suppurative otitis media with spontaneous rupture of eardrum	ICD-9-CM
382.02	Acute suppurative otitis media in diseases classified elsewhere	ICD-9-CM
382.1	Chronic tubotympanic suppurative otitis media	ICD-9-CM
382.2	Chronic atticofacial suppurative otitis media	ICD-9-CM
382.3	Unspecified chronic suppurative otitis media	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 Serious Infections

Code	Description	Code Type
382.4	Unspecified suppurative otitis media	ICD-9-CM
382.9	Unspecified otitis media	ICD-9-CM
383.0	Acute mastoiditis	ICD-9-CM
383.00	Acute mastoiditis without complications	ICD-9-CM
383.01	Subperiosteal abscess of mastoid	ICD-9-CM
383.02	Acute mastoiditis with other complications	ICD-9-CM
383.1	Chronic mastoiditis	ICD-9-CM
383.9	Unspecified mastoiditis	ICD-9-CM
391.1	Acute rheumatic endocarditis	ICD-9-CM
397.9	Rheumatic diseases of endocardium, valve unspecified	ICD-9-CM
421.0	Acute and subacute bacterial endocarditis	ICD-9-CM
421.1	Acute and subacute infective endocarditis in diseases classified elsewhere	ICD-9-CM
421.9	Unspecified acute endocarditis	ICD-9-CM
422.92	Septic myocarditis	ICD-9-CM
461.0	Acute maxillary sinusitis	ICD-9-CM
461	Acute sinusitis	ICD-9-CM
461.1	Acute frontal sinusitis	ICD-9-CM
461.2	Acute ethmoidal sinusitis	ICD-9-CM
461.3	Acute sphenoidal sinusitis	ICD-9-CM
461.8	Other acute sinusitis	ICD-9-CM
461.9	Acute sinusitis, unspecified	ICD-9-CM
462	Acute pharyngitis	ICD-9-CM
463	Acute tonsillitis	ICD-9-CM
464.00	Acute laryngitis, without mention of obstruction	ICD-9-CM
464.0	Acute laryngitis	ICD-9-CM
464.01	Acute laryngitis, with obstruction	ICD-9-CM
465.0	Acute laryngopharyngitis	ICD-9-CM
465	Acute upper respiratory infections of multiple or unspecified sites	ICD-9-CM
465.8	Acute upper respiratory infections of other multiple sites	ICD-9-CM
465.9	Acute upper respiratory infections of unspecified site	ICD-9-CM
466	Acute bronchitis and bronchiolitis	ICD-9-CM
466.0	Acute bronchitis	ICD-9-CM
466.1	Acute bronchiolitis	ICD-9-CM
466.11	Acute bronchiolitis due to respiratory syncytial virus (RSV)	ICD-9-CM
466.19	Acute bronchiolitis due to other infectious organisms	ICD-9-CM
475	Peritonsillar abscess	ICD-9-CM
478.21	Cellulitis of pharynx or nasopharynx	ICD-9-CM
478.22	Parapharyngeal abscess	ICD-9-CM
478.24	Retropharyngeal abscess	ICD-9-CM
480	Viral pneumonia	ICD-9-CM
480.0	Pneumonia due to adenovirus	ICD-9-CM
480.1	Pneumonia due to respiratory syncytial virus	ICD-9-CM
480.2	Pneumonia due to parainfluenza virus	ICD-9-CM
480.3	Pneumonia due to SARS-associated coronavirus	ICD-9-CM
480.8	Pneumonia due to other virus not elsewhere classified	ICD-9-CM
480.9	Unspecified viral pneumonia	ICD-9-CM
481	Pneumococcal pneumonia (streptococcus pneumoniae pneumonia)	ICD-9-CM

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Code	Description	Code Type
482	Other bacterial pneumonia	ICD-9-CM
482.0	Pneumonia due to Klebsiella pneumoniae	ICD-9-CM
482.1	Pneumonia due to Pseudomonas	ICD-9-CM
482.2	Pneumonia due to Hemophilus influenzae (H. influenzae)	ICD-9-CM
482.3	Pneumonia due to Streptococcus	ICD-9-CM
482.30	Pneumonia due to unspecified Streptococcus	ICD-9-CM
482.31	Pneumonia due to Streptococcus, group A	ICD-9-CM
482.32	Pneumonia due to Streptococcus, group B	ICD-9-CM
482.39	Pneumonia due to other Streptococcus	ICD-9-CM
482.4	Pneumonia due to Staphylococcus	ICD-9-CM
482.40	Pneumonia due to Staphylococcus, unspecified	ICD-9-CM
482.41	Methicillin susceptible pneumonia due to Staphylococcus aureus	ICD-9-CM
482.42	Methicillin resistant pneumonia due to Staphylococcus aureus	ICD-9-CM
482.49	Other Staphylococcus pneumonia	ICD-9-CM
482.8	Pneumonia due to other specified bacteria	ICD-9-CM
482.81	Pneumonia due to anaerobes	ICD-9-CM
482.82	Pneumonia due to Escherichia coli (E. coli)	ICD-9-CM
482.83	Pneumonia due to other gram-negative bacteria	ICD-9-CM
482.84	Legionnaires' disease	ICD-9-CM
482.89	Pneumonia due to other specified bacteria	ICD-9-CM
482.9	Unspecified bacterial pneumonia	ICD-9-CM
483	Pneumonia due to other specified organism	ICD-9-CM
483.0	Pneumonia due to Mycoplasma pneumoniae	ICD-9-CM
483.1	Pneumonia due to Chlamydia	ICD-9-CM
483.8	Pneumonia due to other specified organism	ICD-9-CM
485	Bronchopneumonia, organism unspecified	ICD-9-CM
486	Pneumonia, organism unspecified	ICD-9-CM
510	Empyema	ICD-9-CM
510.0	Empyema with fistula	ICD-9-CM
510.9	Empyema without mention of fistula	ICD-9-CM
513.0	Abscess of lung	ICD-9-CM
526.4	Inflammatory conditions of jaw	ICD-9-CM
528.3	Cellulitis and abscess of oral soft tissues	ICD-9-CM
540.1	Acute appendicitis with peritoneal abscess	ICD-9-CM
566	Abscess of anal and rectal regions	ICD-9-CM
567.0	Peritonitis in infectious diseases classified elsewhere	ICD-9-CM
567.1	Pneumococcal peritonitis	ICD-9-CM
567.2	Other suppurative peritonitis	ICD-9-CM
567.21	Peritonitis (acute) generalized	ICD-9-CM
567.22	Peritoneal abscess	ICD-9-CM
567.23	Spontaneous bacterial peritonitis	ICD-9-CM
567.29	Other suppurative peritonitis	ICD-9-CM
567.3	Retroperitoneal infections	ICD-9-CM
567.31	Psoas muscle abscess	ICD-9-CM
567.38	Other retroperitoneal abscess	ICD-9-CM
567.39	Other retroperitoneal infections	ICD-9-CM
567.9	Unspecified peritonitis	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 Serious Infections

Code	Description	Code Type
569.5	Abscess of intestine	ICD-9-CM
569.61	Infection of colostomy or enterostomy	ICD-9-CM
572.0	Abscess of liver	ICD-9-CM
590	Infections of kidney	ICD-9-CM
590.0	Chronic pyelonephritis	ICD-9-CM
590.00	Chronic pyelonephritis without lesion of renal medullary necrosis	ICD-9-CM
590.01	Chronic pyelonephritis with lesion of renal medullary necrosis	ICD-9-CM
590.1	Acute pyelonephritis	ICD-9-CM
590.10	Acute pyelonephritis without lesion of renal medullary necrosis	ICD-9-CM
590.11	Acute pyelonephritis with lesion of renal medullary necrosis	ICD-9-CM
590.2	Renal and perinephric abscess	ICD-9-CM
590.3	Pyeloureteritis cystica	ICD-9-CM
590.8	Other pyelonephritis or pyonephrosis, not specified as acute or chronic	ICD-9-CM
590.80	Unspecified pyelonephritis	ICD-9-CM
590.81	Pyelitis or pyelonephritis in diseases classified elsewhere	ICD-9-CM
590.9	Unspecified infection of kidney	ICD-9-CM
597.0	Urethral abscess	ICD-9-CM
599.0	Urinary tract infection, site not specified	ICD-9-CM
601	Inflammatory diseases of prostate	ICD-9-CM
601.0	Acute prostatitis	ICD-9-CM
601.1	Chronic prostatitis	ICD-9-CM
601.2	Abscess of prostate	ICD-9-CM
601.3	Prostatocystitis	ICD-9-CM
601.4	Prostatitis in diseases classified elsewhere	ICD-9-CM
601.8	Other specified inflammatory disease of prostate	ICD-9-CM
601.9	Unspecified prostatitis	ICD-9-CM
607.2	Other inflammatory disorders of penis	ICD-9-CM
608.4	Other inflammatory disorder of male genital organs	ICD-9-CM
611.0	Inflammatory disease of breast	ICD-9-CM
614.3	Acute parametritis and pelvic cellulitis	ICD-9-CM
614.4	Chronic or unspecified parametritis and pelvic cellulitis	ICD-9-CM
681	Cellulitis and abscess of finger and toe	ICD-9-CM
681.0	Cellulitis and abscess of finger	ICD-9-CM
681.00	Unspecified cellulitis and abscess of finger	ICD-9-CM
681.01	Felon	ICD-9-CM
681.02	Onychia and paronychia of finger	ICD-9-CM
681.1	Cellulitis and abscess of toe	ICD-9-CM
681.10	Unspecified cellulitis and abscess of toe	ICD-9-CM
681.11	Onychia and paronychia of toe	ICD-9-CM
681.9	Cellulitis and abscess of unspecified digit	ICD-9-CM
682	Other cellulitis and abscess	ICD-9-CM
682.0	Cellulitis and abscess of face	ICD-9-CM
682.1	Cellulitis and abscess of neck	ICD-9-CM
682.2	Cellulitis and abscess of trunk	ICD-9-CM
682.3	Cellulitis and abscess of upper arm and forearm	ICD-9-CM
682.4	Cellulitis and abscess of hand, except fingers and thumb	ICD-9-CM
682.5	Cellulitis and abscess of buttock	ICD-9-CM

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Code	Description	Code Type
682.6	Cellulitis and abscess of leg, except foot	ICD-9-CM
682.7	Cellulitis and abscess of foot, except toes	ICD-9-CM
682.8	Cellulitis and abscess of other specified site	ICD-9-CM
682.9	Cellulitis and abscess of unspecified site	ICD-9-CM
686.1	Pyogenic granuloma of skin and subcutaneous tissue	ICD-9-CM
686.8	Other specified local infections of skin and subcutaneous tissue	ICD-9-CM
686.9	Unspecified local infection of skin and subcutaneous tissue	ICD-9-CM
711.0	Pyogenic arthritis	ICD-9-CM
711.00	Pyogenic arthritis, site unspecified	ICD-9-CM
711.01	Pyogenic arthritis, shoulder region	ICD-9-CM
711.02	Pyogenic arthritis, upper arm	ICD-9-CM
711.03	Pyogenic arthritis, forearm	ICD-9-CM
711.04	Pyogenic arthritis, hand	ICD-9-CM
711.05	Pyogenic arthritis, pelvic region and thigh	ICD-9-CM
711.06	Pyogenic arthritis, lower leg	ICD-9-CM
711.07	Pyogenic arthritis, ankle and foot	ICD-9-CM
711.08	Pyogenic arthritis, other specified sites	ICD-9-CM
711.09	Pyogenic arthritis, multiple sites	ICD-9-CM
711.9	Unspecified infective arthritis	ICD-9-CM
711.90	Unspecified infective arthritis, site unspecified	ICD-9-CM
711.91	Unspecified infective arthritis, shoulder region	ICD-9-CM
711.92	Unspecified infective arthritis, upper arm	ICD-9-CM
711.93	Unspecified infective arthritis, forearm	ICD-9-CM
711.94	Unspecified infective arthritis, hand	ICD-9-CM
711.95	Unspecified infective arthritis, pelvic region and thigh	ICD-9-CM
711.96	Unspecified infective arthritis, lower leg	ICD-9-CM
711.97	Unspecified infective arthritis, ankle and foot	ICD-9-CM
711.98	Unspecified infective arthritis, other specified sites	ICD-9-CM
711.99	Unspecified infective arthritis, multiple sites	ICD-9-CM
728.86	Necrotizing fasciitis	ICD-9-CM
730.0	Acute osteomyelitis	ICD-9-CM
730.00	Acute osteomyelitis, site unspecified	ICD-9-CM
730.01	Acute osteomyelitis, shoulder region	ICD-9-CM
730.02	Acute osteomyelitis, upper arm	ICD-9-CM
730.03	Acute osteomyelitis, forearm	ICD-9-CM
730.04	Acute osteomyelitis, hand	ICD-9-CM
730.05	Acute osteomyelitis, pelvic region and thigh	ICD-9-CM
730.06	Acute osteomyelitis, lower leg	ICD-9-CM
730.07	Acute osteomyelitis, ankle and foot	ICD-9-CM
730.08	Acute osteomyelitis, other specified site	ICD-9-CM
730.09	Acute osteomyelitis, multiple sites	ICD-9-CM
730.1	Chronic osteomyelitis	ICD-9-CM
730.10	Chronic osteomyelitis, site unspecified	ICD-9-CM
730.11	Chronic osteomyelitis, shoulder region	ICD-9-CM
730.12	Chronic osteomyelitis, upper arm	ICD-9-CM
730.13	Chronic osteomyelitis, forearm	ICD-9-CM
730.14	Chronic osteomyelitis, hand	ICD-9-CM

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Code	Description	Code Type
730.15	Chronic osteomyelitis, pelvic region and thigh	ICD-9-CM
730.16	Chronic osteomyelitis, lower leg	ICD-9-CM
730.17	Chronic osteomyelitis, ankle and foot	ICD-9-CM
730.18	Chronic osteomyelitis, other specified sites	ICD-9-CM
730.19	Chronic osteomyelitis, multiple sites	ICD-9-CM
730.2	Unspecified osteomyelitis	ICD-9-CM
730.20	Unspecified osteomyelitis, site unspecified	ICD-9-CM
730.21	Unspecified osteomyelitis, shoulder region	ICD-9-CM
730.22	Unspecified osteomyelitis, upper arm	ICD-9-CM
730.23	Unspecified osteomyelitis, forearm	ICD-9-CM
730.24	Unspecified osteomyelitis, hand	ICD-9-CM
730.25	Unspecified osteomyelitis, pelvic region and thigh	ICD-9-CM
730.26	Unspecified osteomyelitis, lower leg	ICD-9-CM
730.27	Unspecified osteomyelitis, ankle and foot	ICD-9-CM
730.28	Unspecified osteomyelitis, other specified sites	ICD-9-CM
730.29	Unspecified osteomyelitis, multiple sites	ICD-9-CM
790.7	Bacteremia	ICD-9-CM
958.3	Posttraumatic wound infection not elsewhere classified	ICD-9-CM
996.6	Infection and inflammatory reaction due to internal prosthetic device, implant, and graft	ICD-9-CM
996.60	Infection and inflammatory reaction due to unspecified device, implant, and graft	ICD-9-CM
996.61	Infection and inflammatory reaction due to cardiac device, implant, and graft	ICD-9-CM
996.62	Infection and inflammatory reaction due to other vascular device, implant, and graft	ICD-9-CM
996.63	Infection and inflammatory reaction due to nervous system device, implant, and graft	ICD-9-CM
996.64	Infection and inflammatory reaction due to indwelling urinary catheter	ICD-9-CM
996.65	Infection and inflammatory reaction due to other genitourinary device, implant, and graft	ICD-9-CM
996.66	Infection and inflammatory reaction due to internal joint prosthesis	ICD-9-CM
996.67	Infection and inflammatory reaction due to other internal orthopedic device, implant, and graft	ICD-9-CM
996.68	Infection and inflammatory reaction due to peritoneal dialysis catheter	ICD-9-CM
996.69	Infection and inflammatory reaction due to other internal prosthetic device, implant, and graft	ICD-9-CM
998.5	Postoperative infection, not elsewhere classified	ICD-9-CM
998.51	Infected postoperative seroma	ICD-9-CM
998.59	Other postoperative infection	ICD-9-CM
ICD-10-CM		
A00.0	Cholera due to <i>Vibrio cholerae</i> 01, biovar cholerae	ICD-10-CM
A00.1	Cholera due to <i>Vibrio cholerae</i> 01, biovar eltor	ICD-10-CM
A00.9	Cholera, unspecified	ICD-10-CM
A01	Typhoid and paratyphoid fevers	ICD-10-CM
A01.0	Typhoid fever	ICD-10-CM
A01.00	Typhoid fever, unspecified	ICD-10-CM
A01.01	Typhoid meningitis	ICD-10-CM
A01.02	Typhoid fever with heart involvement	ICD-10-CM
A01.03	Typhoid pneumonia	ICD-10-CM
A01.04	Typhoid arthritis	ICD-10-CM
A01.05	Typhoid osteomyelitis	ICD-10-CM
A01.09	Typhoid fever with other complications	ICD-10-CM
A01.1	Paratyphoid fever A	ICD-10-CM

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Code	Description	Code Type
A01.2	Paratyphoid fever B	ICD-10-CM
A01.3	Paratyphoid fever C	ICD-10-CM
A01.4	Paratyphoid fever, unspecified	ICD-10-CM
A02	Other salmonella infections	ICD-10-CM
A02.0	Salmonella enteritis	ICD-10-CM
A02.1	Salmonella sepsis	ICD-10-CM
A02.2	Localized salmonella infections	ICD-10-CM
A02.20	Localized salmonella infection, unspecified	ICD-10-CM
A02.21	Salmonella meningitis	ICD-10-CM
A02.22	Salmonella pneumonia	ICD-10-CM
A02.23	Salmonella arthritis	ICD-10-CM
A02.24	Salmonella osteomyelitis	ICD-10-CM
A02.25	Salmonella pyelonephritis	ICD-10-CM
A02.29	Salmonella with other localized infection	ICD-10-CM
A02.8	Other specified salmonella infections	ICD-10-CM
A02.9	Salmonella infection, unspecified	ICD-10-CM
A03	Shigellosis	ICD-10-CM
A03.0	Shigellosis due to Shigella dysenteriae	ICD-10-CM
A03.1	Shigellosis due to Shigella flexneri	ICD-10-CM
A03.2	Shigellosis due to Shigella boydii	ICD-10-CM
A03.3	Shigellosis due to Shigella sonnei	ICD-10-CM
A03.8	Other shigellosis	ICD-10-CM
A03.9	Shigellosis, unspecified	ICD-10-CM
A04	Other bacterial intestinal infections	ICD-10-CM
A04.0	Enteropathogenic Escherichia coli infection	ICD-10-CM
A04.1	Enterotoxigenic Escherichia coli infection	ICD-10-CM
A04.2	Enteroinvasive Escherichia coli infection	ICD-10-CM
A04.3	Enterohemorrhagic Escherichia coli infection	ICD-10-CM
A04.4	Other intestinal Escherichia coli infections	ICD-10-CM
A04.5	Campylobacter enteritis	ICD-10-CM
A04.6	Enteritis due to Yersinia enterocolitica	ICD-10-CM
A04.7	Enterocolitis due to Clostridium difficile	ICD-10-CM
A04.8	Other specified bacterial intestinal infections	ICD-10-CM
A04.9	Bacterial intestinal infection, unspecified	ICD-10-CM
A05.8	Other specified bacterial foodborne intoxications	ICD-10-CM
A08.3	Other viral enteritis	ICD-10-CM
A08.31	Calicivirus enteritis	ICD-10-CM
A08.32	Astrovirus enteritis	ICD-10-CM
A08.39	Other viral enteritis	ICD-10-CM
A08.8	Other specified intestinal infections	ICD-10-CM
A09	Infectious gastroenteritis and colitis, unspecified	ICD-10-CM
A36.86	Diphtheritic conjunctivitis	ICD-10-CM
A38	Scarlet fever	ICD-10-CM
A38.0	Scarlet fever with otitis media	ICD-10-CM
A38.1	Scarlet fever with myocarditis	ICD-10-CM
A38.8	Scarlet fever with other complications	ICD-10-CM
A38.9	Scarlet fever, uncomplicated	ICD-10-CM

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Code	Description	Code Type
A39.0	Meningococcal meningitis	ICD-10-CM
A39.51	Meningococcal endocarditis	ICD-10-CM
A39.81	Meningococcal encephalitis	ICD-10-CM
A41	Other sepsis	ICD-10-CM
A41.0	Sepsis due to Staphylococcus aureus	ICD-10-CM
A41.01	Sepsis due to Methicillin susceptible Staphylococcus aureus	ICD-10-CM
A41.02	Sepsis due to Methicillin resistant Staphylococcus aureus	ICD-10-CM
A41.1	Sepsis due to other specified staphylococcus	ICD-10-CM
A41.2	Sepsis due to unspecified staphylococcus	ICD-10-CM
A41.3	Sepsis due to Hemophilus influenzae	ICD-10-CM
A41.4	Sepsis due to anaerobes	ICD-10-CM
A41.5	Sepsis due to other Gram-negative organisms	ICD-10-CM
A41.50	Gram-negative sepsis, unspecified	ICD-10-CM
A41.51	Sepsis due to Escherichia coli [E. coli]	ICD-10-CM
A41.52	Sepsis due to Pseudomonas	ICD-10-CM
A41.53	Sepsis due to Serratia	ICD-10-CM
A41.59	Other Gram-negative sepsis	ICD-10-CM
A41.8	Other specified sepsis	ICD-10-CM
A41.81	Sepsis due to Enterococcus	ICD-10-CM
A41.89	Other specified sepsis	ICD-10-CM
A41.9	Sepsis, unspecified organism	ICD-10-CM
A46	Erysipelas	ICD-10-CM
A48.0	Gas gangrene	ICD-10-CM
A49.9	Bacterial infection, unspecified	ICD-10-CM
A51.41	Secondary syphilitic meningitis	ICD-10-CM
A52.03	Syphilitic endocarditis	ICD-10-CM
A52.13	Late syphilitic meningitis	ICD-10-CM
A52.14	Late syphilitic encephalitis	ICD-10-CM
A52.74	Syphilis of liver and other viscera	ICD-10-CM
A54.22	Gonococcal prostatitis	ICD-10-CM
A54.4	Gonococcal infection of musculoskeletal system	ICD-10-CM
A54.40	Gonococcal infection of musculoskeletal system, unspecified	ICD-10-CM
A54.41	Gonococcal spondylopathy	ICD-10-CM
A54.42	Gonococcal arthritis	ICD-10-CM
A54.43	Gonococcal osteomyelitis	ICD-10-CM
A54.49	Gonococcal infection of other musculoskeletal tissue	ICD-10-CM
A54.81	Gonococcal meningitis	ICD-10-CM
A54.83	Gonococcal heart infection	ICD-10-CM
A59.02	Trichomonal prostatitis	ICD-10-CM
A83	Mosquito-borne viral encephalitis	ICD-10-CM
A83.0	Japanese encephalitis	ICD-10-CM
A83.1	Western equine encephalitis	ICD-10-CM
A83.2	Eastern equine encephalitis	ICD-10-CM
A83.3	St Louis encephalitis	ICD-10-CM
A83.4	Australian encephalitis	ICD-10-CM
A83.5	California encephalitis	ICD-10-CM
A83.6	Rocio virus disease	ICD-10-CM

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Code	Description	Code Type
A83.8	Other mosquito-borne viral encephalitis	ICD-10-CM
A83.9	Mosquito-borne viral encephalitis, unspecified	ICD-10-CM
A84	Tick-borne viral encephalitis	ICD-10-CM
A84.0	Far Eastern tick-borne encephalitis [Russian spring-summer encephalitis]	ICD-10-CM
A84.1	Central European tick-borne encephalitis	ICD-10-CM
A84.8	Other tick-borne viral encephalitis	ICD-10-CM
A84.9	Tick-borne viral encephalitis, unspecified	ICD-10-CM
A85.2	Arthropod-borne viral encephalitis, unspecified	ICD-10-CM
A87.2	Lymphocytic choriomeningitis	ICD-10-CM
A92.3	West Nile virus infection	ICD-10-CM
A92.30	West Nile virus infection, unspecified	ICD-10-CM
A92.31	West Nile virus infection with encephalitis	ICD-10-CM
A92.32	West Nile virus infection with other neurologic manifestation	ICD-10-CM
A92.39	West Nile virus infection with other complications	ICD-10-CM
B00.3	Herpesviral meningitis	ICD-10-CM
B00.4	Herpesviral encephalitis	ICD-10-CM
B06.82	Rubella arthritis	ICD-10-CM
B58	Toxoplasmosis	ICD-10-CM
B58.0	Toxoplasma oculopathy	ICD-10-CM
B58.00	Toxoplasma oculopathy, unspecified	ICD-10-CM
B58.01	Toxoplasma chorioretinitis	ICD-10-CM
B58.09	Other toxoplasma oculopathy	ICD-10-CM
B58.1	Toxoplasma hepatitis	ICD-10-CM
B58.2	Toxoplasma meningoencephalitis	ICD-10-CM
B58.3	Pulmonary toxoplasmosis	ICD-10-CM
B58.8	Toxoplasmosis with other organ involvement	ICD-10-CM
B58.81	Toxoplasma myocarditis	ICD-10-CM
B58.82	Toxoplasma myositis	ICD-10-CM
B58.83	Toxoplasma tubulo-interstitial nephropathy	ICD-10-CM
B58.89	Toxoplasmosis with other organ involvement	ICD-10-CM
B58.9	Toxoplasmosis, unspecified	ICD-10-CM
G00	Bacterial meningitis, not elsewhere classified	ICD-10-CM
G00.0	Hemophilus meningitis	ICD-10-CM
G00.1	Pneumococcal meningitis	ICD-10-CM
G00.2	Streptococcal meningitis	ICD-10-CM
G00.3	Staphylococcal meningitis	ICD-10-CM
G00.8	Other bacterial meningitis	ICD-10-CM
G00.9	Bacterial meningitis, unspecified	ICD-10-CM
G04.8	Other encephalitis, myelitis and encephalomyelitis	ICD-10-CM
G04.81	Other encephalitis and encephalomyelitis	ICD-10-CM
G04.89	Other myelitis	ICD-10-CM
G05	Encephalitis, myelitis and encephalomyelitis in diseases classified elsewhere	ICD-10-CM
G05.3	Encephalitis and encephalomyelitis in diseases classified elsewhere	ICD-10-CM
G05.4	Myelitis in diseases classified elsewhere	ICD-10-CM
G06	Intracranial and intraspinal abscess and granuloma	ICD-10-CM
G06.0	Intracranial abscess and granuloma	ICD-10-CM
G06.1	Intraspinal abscess and granuloma	ICD-10-CM

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Code	Description	Code Type
G06.2	Extradural and subdural abscess, unspecified	ICD-10-CM
H05.02	Osteomyelitis of orbit	ICD-10-CM
H05.021	Osteomyelitis of right orbit	ICD-10-CM
H05.022	Osteomyelitis of left orbit	ICD-10-CM
H05.023	Osteomyelitis of bilateral orbits	ICD-10-CM
H05.029	Osteomyelitis of unspecified orbit	ICD-10-CM
H66	Suppurative and unspecified otitis media	ICD-10-CM
H66.0	Acute suppurative otitis media	ICD-10-CM
H66.00	Acute suppurative otitis media without spontaneous rupture of ear drum	ICD-10-CM
H66.001	Acute suppurative otitis media without spontaneous rupture of ear drum, right ear	ICD-10-CM
H66.002	Acute suppurative otitis media without spontaneous rupture of ear drum, left ear	ICD-10-CM
H66.003	Acute suppurative otitis media without spontaneous rupture of ear drum, bilateral	ICD-10-CM
H66.004	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, right ear	ICD-10-CM
H66.005	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, left ear	ICD-10-CM
H66.006	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, bilateral	ICD-10-CM
H66.007	Acute suppurative otitis media without spontaneous rupture of ear drum, recurrent, unspecified ear	ICD-10-CM
H66.009	Acute suppurative otitis media without spontaneous rupture of ear drum, unspecified ear	ICD-10-CM
H66.01	Acute suppurative otitis media with spontaneous rupture of ear drum	ICD-10-CM
H66.011	Acute suppurative otitis media with spontaneous rupture of ear drum, right ear	ICD-10-CM
H66.012	Acute suppurative otitis media with spontaneous rupture of ear drum, left ear	ICD-10-CM
H66.013	Acute suppurative otitis media with spontaneous rupture of ear drum, bilateral	ICD-10-CM
H66.014	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, right ear	ICD-10-CM
H66.015	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, left ear	ICD-10-CM
H66.016	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, bilateral	ICD-10-CM
H66.017	Acute suppurative otitis media with spontaneous rupture of ear drum, recurrent, unspecified ear	ICD-10-CM
H66.019	Acute suppurative otitis media with spontaneous rupture of ear drum, unspecified ear	ICD-10-CM
H66.1	Chronic tubotympanic suppurative otitis media	ICD-10-CM
H66.10	Chronic tubotympanic suppurative otitis media, unspecified	ICD-10-CM
H66.11	Chronic tubotympanic suppurative otitis media, right ear	ICD-10-CM
H66.12	Chronic tubotympanic suppurative otitis media, left ear	ICD-10-CM
H66.13	Chronic tubotympanic suppurative otitis media, bilateral	ICD-10-CM
H66.2	Chronic atticoantral suppurative otitis media	ICD-10-CM
H66.20	Chronic atticoantral suppurative otitis media, unspecified ear	ICD-10-CM
H66.21	Chronic atticoantral suppurative otitis media, right ear	ICD-10-CM
H66.22	Chronic atticoantral suppurative otitis media, left ear	ICD-10-CM
H66.23	Chronic atticoantral suppurative otitis media, bilateral	ICD-10-CM
H66.3	Other chronic suppurative otitis media	ICD-10-CM
H66.3X	Other chronic suppurative otitis media	ICD-10-CM
H66.3X1	Other chronic suppurative otitis media, right ear	ICD-10-CM
H66.3X2	Other chronic suppurative otitis media, left ear	ICD-10-CM
H66.3X3	Other chronic suppurative otitis media, bilateral	ICD-10-CM
H66.3X9	Other chronic suppurative otitis media, unspecified ear	ICD-10-CM
H66.4	Suppurative otitis media, unspecified	ICD-10-CM
H66.40	Suppurative otitis media, unspecified, unspecified ear	ICD-10-CM
H66.41	Suppurative otitis media, unspecified, right ear	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 Serious Infections

Code	Description	Code Type
H66.42	Suppurative otitis media, unspecified, left ear	ICD-10-CM
H66.43	Suppurative otitis media, unspecified, bilateral	ICD-10-CM
H66.9	Otitis media, unspecified	ICD-10-CM
H66.90	Otitis media, unspecified, unspecified ear	ICD-10-CM
H66.91	Otitis media, unspecified, right ear	ICD-10-CM
H66.92	Otitis media, unspecified, left ear	ICD-10-CM
H66.93	Otitis media, unspecified, bilateral	ICD-10-CM
H68.0	Eustachian salpingitis	ICD-10-CM
H68.00	Unspecified Eustachian salpingitis	ICD-10-CM
H68.001	Unspecified Eustachian salpingitis, right ear	ICD-10-CM
H68.002	Unspecified Eustachian salpingitis, left ear	ICD-10-CM
H68.003	Unspecified Eustachian salpingitis, bilateral	ICD-10-CM
H68.009	Unspecified Eustachian salpingitis, unspecified ear	ICD-10-CM
H68.01	Acute Eustachian salpingitis	ICD-10-CM
H68.011	Acute Eustachian salpingitis, right ear	ICD-10-CM
H68.012	Acute Eustachian salpingitis, left ear	ICD-10-CM
H68.013	Acute Eustachian salpingitis, bilateral	ICD-10-CM
H68.019	Acute Eustachian salpingitis, unspecified ear	ICD-10-CM
H68.02	Chronic Eustachian salpingitis	ICD-10-CM
H68.021	Chronic Eustachian salpingitis, right ear	ICD-10-CM
H68.022	Chronic Eustachian salpingitis, left ear	ICD-10-CM
H68.023	Chronic Eustachian salpingitis, bilateral	ICD-10-CM
H68.029	Chronic Eustachian salpingitis, unspecified ear	ICD-10-CM
H70	Mastoiditis and related conditions	ICD-10-CM
H70.0	Acute mastoiditis	ICD-10-CM
H70.00	Acute mastoiditis without complications	ICD-10-CM
H70.001	Acute mastoiditis without complications, right ear	ICD-10-CM
H70.002	Acute mastoiditis without complications, left ear	ICD-10-CM
H70.003	Acute mastoiditis without complications, bilateral	ICD-10-CM
H70.009	Acute mastoiditis without complications, unspecified ear	ICD-10-CM
H70.01	Subperiosteal abscess of mastoid	ICD-10-CM
H70.011	Subperiosteal abscess of mastoid, right ear	ICD-10-CM
H70.012	Subperiosteal abscess of mastoid, left ear	ICD-10-CM
H70.013	Subperiosteal abscess of mastoid, bilateral	ICD-10-CM
H70.019	Subperiosteal abscess of mastoid, unspecified ear	ICD-10-CM
H70.09	Acute mastoiditis with other complications	ICD-10-CM
H70.091	Acute mastoiditis with other complications, right ear	ICD-10-CM
H70.092	Acute mastoiditis with other complications, left ear	ICD-10-CM
H70.093	Acute mastoiditis with other complications, bilateral	ICD-10-CM
H70.099	Acute mastoiditis with other complications, unspecified ear	ICD-10-CM
H70.1	Chronic mastoiditis	ICD-10-CM
H70.10	Chronic mastoiditis, unspecified ear	ICD-10-CM
H70.11	Chronic mastoiditis, right ear	ICD-10-CM
H70.12	Chronic mastoiditis, left ear	ICD-10-CM
H70.13	Chronic mastoiditis, bilateral	ICD-10-CM
H70.2	Petrositis	ICD-10-CM
H70.20	Unspecified petrositis	ICD-10-CM

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Code	Description	Code Type
H70.201	Unspecified petrositis, right ear	ICD-10-CM
H70.202	Unspecified petrositis, left ear	ICD-10-CM
H70.203	Unspecified petrositis, bilateral	ICD-10-CM
H70.209	Unspecified petrositis, unspecified ear	ICD-10-CM
H70.21	Acute petrositis	ICD-10-CM
H70.211	Acute petrositis, right ear	ICD-10-CM
H70.212	Acute petrositis, left ear	ICD-10-CM
H70.213	Acute petrositis, bilateral	ICD-10-CM
H70.219	Acute petrositis, unspecified ear	ICD-10-CM
H70.22	Chronic petrositis	ICD-10-CM
H70.221	Chronic petrositis, right ear	ICD-10-CM
H70.222	Chronic petrositis, left ear	ICD-10-CM
H70.223	Chronic petrositis, bilateral	ICD-10-CM
H70.229	Chronic petrositis, unspecified ear	ICD-10-CM
H70.8	Other mastoiditis and related conditions	ICD-10-CM
H70.81	Postauricular fistula	ICD-10-CM
H70.811	Postauricular fistula, right ear	ICD-10-CM
H70.812	Postauricular fistula, left ear	ICD-10-CM
H70.813	Postauricular fistula, bilateral	ICD-10-CM
H70.819	Postauricular fistula, unspecified ear	ICD-10-CM
H70.89	Other mastoiditis and related conditions	ICD-10-CM
H70.891	Other mastoiditis and related conditions, right ear	ICD-10-CM
H70.892	Other mastoiditis and related conditions, left ear	ICD-10-CM
H70.893	Other mastoiditis and related conditions, bilateral	ICD-10-CM
H70.899	Other mastoiditis and related conditions, unspecified ear	ICD-10-CM
H70.9	Unspecified mastoiditis	ICD-10-CM
H70.90	Unspecified mastoiditis, unspecified ear	ICD-10-CM
H70.91	Unspecified mastoiditis, right ear	ICD-10-CM
H70.92	Unspecified mastoiditis, left ear	ICD-10-CM
H70.93	Unspecified mastoiditis, bilateral	ICD-10-CM
I01.1	Acute rheumatic endocarditis	ICD-10-CM
I09.1	Rheumatic diseases of endocardium, valve unspecified	ICD-10-CM
I33.0	Acute and subacute infective endocarditis	ICD-10-CM
I33.9	Acute and subacute endocarditis, unspecified	ICD-10-CM
I40.0	Infective myocarditis	ICD-10-CM
J01	Acute sinusitis	ICD-10-CM
J01.0	Acute maxillary sinusitis	ICD-10-CM
J01.00	Acute maxillary sinusitis, unspecified	ICD-10-CM
J01.01	Acute recurrent maxillary sinusitis	ICD-10-CM
J01.1	Acute frontal sinusitis	ICD-10-CM
J01.10	Acute frontal sinusitis, unspecified	ICD-10-CM
J01.11	Acute recurrent frontal sinusitis	ICD-10-CM
J01.2	Acute ethmoidal sinusitis	ICD-10-CM
J01.20	Acute ethmoidal sinusitis, unspecified	ICD-10-CM
J01.21	Acute recurrent ethmoidal sinusitis	ICD-10-CM
J01.3	Acute sphenoidal sinusitis	ICD-10-CM
J01.30	Acute sphenoidal sinusitis, unspecified	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 Serious Infections

Code	Description	Code Type
J01.31	Acute recurrent sphenoidal sinusitis	ICD-10-CM
J01.4	Acute pansinusitis	ICD-10-CM
J01.40	Acute pansinusitis, unspecified	ICD-10-CM
J01.41	Acute recurrent pansinusitis	ICD-10-CM
J01.8	Other acute sinusitis	ICD-10-CM
J01.80	Other acute sinusitis	ICD-10-CM
J01.81	Other acute recurrent sinusitis	ICD-10-CM
J01.9	Acute sinusitis, unspecified	ICD-10-CM
J01.90	Acute sinusitis, unspecified	ICD-10-CM
J01.91	Acute recurrent sinusitis, unspecified	ICD-10-CM
J02	Acute pharyngitis	ICD-10-CM
J02.0	Streptococcal pharyngitis	ICD-10-CM
J02.8	Acute pharyngitis due to other specified organisms	ICD-10-CM
J02.9	Acute pharyngitis, unspecified	ICD-10-CM
J03	Acute tonsillitis	ICD-10-CM
J03.0	Streptococcal tonsillitis	ICD-10-CM
J03.00	Acute streptococcal tonsillitis, unspecified	ICD-10-CM
J03.01	Acute recurrent streptococcal tonsillitis	ICD-10-CM
J03.8	Acute tonsillitis due to other specified organisms	ICD-10-CM
J03.80	Acute tonsillitis due to other specified organisms	ICD-10-CM
J03.81	Acute recurrent tonsillitis due to other specified organisms	ICD-10-CM
J03.9	Acute tonsillitis, unspecified	ICD-10-CM
J03.90	Acute tonsillitis, unspecified	ICD-10-CM
J03.91	Acute recurrent tonsillitis, unspecified	ICD-10-CM
J04.0	Acute laryngitis	ICD-10-CM
J06	Acute upper respiratory infections of multiple and unspecified sites	ICD-10-CM
J06.0	Acute laryngopharyngitis	ICD-10-CM
J06.9	Acute upper respiratory infection, unspecified	ICD-10-CM
J12	Viral pneumonia	ICD-10-CM
J12.0	Adenoviral pneumonia	ICD-10-CM
J12.1	Respiratory syncytial virus pneumonia	ICD-10-CM
J12.2	Parainfluenza virus pneumonia	ICD-10-CM
J12.3	Human metapneumovirus pneumonia	ICD-10-CM
J12.8	Other viral pneumonia	ICD-10-CM
J12.81	Pneumonia due to SARS-associated coronavirus	ICD-10-CM
J12.89	Other viral pneumonia	ICD-10-CM
J12.9	Viral pneumonia, unspecified	ICD-10-CM
J13	Pneumonia due to streptococcus pneumoniae	ICD-10-CM
J14	Pneumonia due to Hemophilus influenzae	ICD-10-CM
J15	Bacterial pneumonia, not elsewhere classified	ICD-10-CM
J15.0	Pneumonia due to Klebsiella pneumoniae	ICD-10-CM
J15.1	Pneumonia due to Pseudomonas	ICD-10-CM
J15.2	Pneumonia due to staphylococcus	ICD-10-CM
J15.20	Pneumonia due to staphylococcus, unspecified	ICD-10-CM
J15.21	Pneumonia due to staphylococcus aureus	ICD-10-CM
J15.211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	ICD-10-CM
J15.212	Pneumonia due to Methicillin resistant Staphylococcus aureus	ICD-10-CM

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Code	Description	Code Type
J15.29	Pneumonia due to other staphylococcus	ICD-10-CM
J15.3	Pneumonia due to streptococcus, group B	ICD-10-CM
J15.4	Pneumonia due to other streptococci	ICD-10-CM
J15.5	Pneumonia due to Escherichia coli	ICD-10-CM
J15.6	Pneumonia due to other aerobic Gram-negative bacteria	ICD-10-CM
J15.7	Pneumonia due to Mycoplasma pneumoniae	ICD-10-CM
J15.8	Pneumonia due to other specified bacteria	ICD-10-CM
J15.9	Unspecified bacterial pneumonia	ICD-10-CM
J16	Pneumonia due to other infectious organisms, not elsewhere classified	ICD-10-CM
J16.0	Chlamydial pneumonia	ICD-10-CM
J16.8	Pneumonia due to other specified infectious organisms	ICD-10-CM
J18	Pneumonia, unspecified organism	ICD-10-CM
J18.0	Bronchopneumonia, unspecified organism	ICD-10-CM
J18.1	Lobar pneumonia, unspecified organism	ICD-10-CM
J18.2	Hypostatic pneumonia, unspecified organism	ICD-10-CM
J18.8	Other pneumonia, unspecified organism	ICD-10-CM
J18.9	Pneumonia, unspecified organism	ICD-10-CM
J20	Acute bronchitis	ICD-10-CM
J20.0	Acute bronchitis due to Mycoplasma pneumoniae	ICD-10-CM
J20.1	Acute bronchitis due to Hemophilus influenzae	ICD-10-CM
J20.2	Acute bronchitis due to streptococcus	ICD-10-CM
J20.3	Acute bronchitis due to coxsackievirus	ICD-10-CM
J20.4	Acute bronchitis due to parainfluenza virus	ICD-10-CM
J20.5	Acute bronchitis due to respiratory syncytial virus	ICD-10-CM
J20.6	Acute bronchitis due to rhinovirus	ICD-10-CM
J20.7	Acute bronchitis due to echovirus	ICD-10-CM
J20.8	Acute bronchitis due to other specified organisms	ICD-10-CM
J20.9	Acute bronchitis, unspecified	ICD-10-CM
J36	Peritonsillar abscess	ICD-10-CM
J39.0	Retropharyngeal and parapharyngeal abscess	ICD-10-CM
J39.1	Other abscess of pharynx	ICD-10-CM
J85.1	Abscess of lung with pneumonia	ICD-10-CM
J86	Pyothorax	ICD-10-CM
J86.0	Pyothorax with fistula	ICD-10-CM
J86.9	Pyothorax without fistula	ICD-10-CM
K12.2	Cellulitis and abscess of mouth	ICD-10-CM
K35.3	Acute appendicitis with localized peritonitis	ICD-10-CM
K61	Abscess of anal and rectal regions	ICD-10-CM
K61.0	Anal abscess	ICD-10-CM
K61.1	Rectal abscess	ICD-10-CM
K61.2	Anorectal abscess	ICD-10-CM
K61.3	Ischiorectal abscess	ICD-10-CM
K61.4	Intrasphincteric abscess	ICD-10-CM
K63.0	Abscess of intestine	ICD-10-CM
K65	Peritonitis	ICD-10-CM
K65.0	Generalized (acute) peritonitis	ICD-10-CM
K65.1	Peritoneal abscess	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 Serious Infections

Code	Description	Code Type
K65.2	Spontaneous bacterial peritonitis	ICD-10-CM
K65.3	Choleperitonitis	ICD-10-CM
K65.4	Sclerosing mesenteritis	ICD-10-CM
K65.8	Other peritonitis	ICD-10-CM
K65.9	Peritonitis, unspecified	ICD-10-CM
K68.11	Postprocedural retroperitoneal abscess	ICD-10-CM
K68.9	Other disorders of retroperitoneum	ICD-10-CM
K75.0	Abscess of liver	ICD-10-CM
K94.02	Colostomy infection	ICD-10-CM
K94.12	Enterostomy infection	ICD-10-CM
L03	Cellulitis and acute lymphangitis	ICD-10-CM
L03.0	Cellulitis and acute lymphangitis of finger and toe	ICD-10-CM
L03.01	Cellulitis of finger	ICD-10-CM
L03.011	Cellulitis of right finger	ICD-10-CM
L03.012	Cellulitis of left finger	ICD-10-CM
L03.019	Cellulitis of unspecified finger	ICD-10-CM
L03.02	Acute lymphangitis of finger	ICD-10-CM
L03.021	Acute lymphangitis of right finger	ICD-10-CM
L03.022	Acute lymphangitis of left finger	ICD-10-CM
L03.029	Acute lymphangitis of unspecified finger	ICD-10-CM
L03.03	Cellulitis of toe	ICD-10-CM
L03.031	Cellulitis of right toe	ICD-10-CM
L03.032	Cellulitis of left toe	ICD-10-CM
L03.039	Cellulitis of unspecified toe	ICD-10-CM
L03.04	Acute lymphangitis of toe	ICD-10-CM
L03.041	Acute lymphangitis of right toe	ICD-10-CM
L03.042	Acute lymphangitis of left toe	ICD-10-CM
L03.049	Acute lymphangitis of unspecified toe	ICD-10-CM
L03.1	Cellulitis and acute lymphangitis of other parts of limb	ICD-10-CM
L03.11	Cellulitis of other parts of limb	ICD-10-CM
L03.111	Cellulitis of right axilla	ICD-10-CM
L03.112	Cellulitis of left axilla	ICD-10-CM
L03.113	Cellulitis of right upper limb	ICD-10-CM
L03.114	Cellulitis of left upper limb	ICD-10-CM
L03.115	Cellulitis of right lower limb	ICD-10-CM
L03.116	Cellulitis of left lower limb	ICD-10-CM
L03.119	Cellulitis of unspecified part of limb	ICD-10-CM
L03.12	Acute lymphangitis of other parts of limb	ICD-10-CM
L03.121	Acute lymphangitis of right axilla	ICD-10-CM
L03.122	Acute lymphangitis of left axilla	ICD-10-CM
L03.123	Acute lymphangitis of right upper limb	ICD-10-CM
L03.124	Acute lymphangitis of left upper limb	ICD-10-CM
L03.125	Acute lymphangitis of right lower limb	ICD-10-CM
L03.126	Acute lymphangitis of left lower limb	ICD-10-CM
L03.129	Acute lymphangitis of unspecified part of limb	ICD-10-CM
L03.2	Cellulitis and acute lymphangitis of face and neck	ICD-10-CM
L03.21	Cellulitis and acute lymphangitis of face	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 Serious Infections

Code	Description	Code Type
L03.211	Cellulitis of face	ICD-10-CM
L03.212	Acute lymphangitis of face	ICD-10-CM
L03.213	Periorbital cellulitis	ICD-10-CM
L03.22	Cellulitis and acute lymphangitis of neck	ICD-10-CM
L03.221	Cellulitis of neck	ICD-10-CM
L03.222	Acute lymphangitis of neck	ICD-10-CM
L03.3	Cellulitis and acute lymphangitis of trunk	ICD-10-CM
L03.31	Cellulitis of trunk	ICD-10-CM
L03.311	Cellulitis of abdominal wall	ICD-10-CM
L03.312	Cellulitis of back [any part except buttock]	ICD-10-CM
L03.313	Cellulitis of chest wall	ICD-10-CM
L03.314	Cellulitis of groin	ICD-10-CM
L03.315	Cellulitis of perineum	ICD-10-CM
L03.316	Cellulitis of umbilicus	ICD-10-CM
L03.317	Cellulitis of buttock	ICD-10-CM
L03.319	Cellulitis of trunk, unspecified	ICD-10-CM
L03.32	Acute lymphangitis of trunk	ICD-10-CM
L03.321	Acute lymphangitis of abdominal wall	ICD-10-CM
L03.322	Acute lymphangitis of back [any part except buttock]	ICD-10-CM
L03.323	Acute lymphangitis of chest wall	ICD-10-CM
L03.324	Acute lymphangitis of groin	ICD-10-CM
L03.325	Acute lymphangitis of perineum	ICD-10-CM
L03.326	Acute lymphangitis of umbilicus	ICD-10-CM
L03.327	Acute lymphangitis of buttock	ICD-10-CM
L03.329	Acute lymphangitis of trunk, unspecified	ICD-10-CM
L03.8	Cellulitis and acute lymphangitis of other sites	ICD-10-CM
L03.81	Cellulitis of other sites	ICD-10-CM
L03.811	Cellulitis of head [any part, except face]	ICD-10-CM
L03.818	Cellulitis of other sites	ICD-10-CM
L03.89	Acute lymphangitis of other sites	ICD-10-CM
L03.891	Acute lymphangitis of head [any part, except face]	ICD-10-CM
L03.898	Acute lymphangitis of other sites	ICD-10-CM
L03.9	Cellulitis and acute lymphangitis, unspecified	ICD-10-CM
L03.90	Cellulitis, unspecified	ICD-10-CM
L03.91	Acute lymphangitis, unspecified	ICD-10-CM
L08	Other local infections of skin and subcutaneous tissue	ICD-10-CM
L08.0	Pyoderma	ICD-10-CM
L08.1	Erythrasma	ICD-10-CM
L08.8	Other specified local infections of the skin and subcutaneous tissue	ICD-10-CM
L08.81	Pyoderma vegetans	ICD-10-CM
L08.82	Omphalitis not of newborn	ICD-10-CM
L08.89	Other specified local infections of the skin and subcutaneous tissue	ICD-10-CM
L08.9	Local infection of the skin and subcutaneous tissue, unspecified	ICD-10-CM
L98.0	Pyogenic granuloma	ICD-10-CM
M00	Pyogenic arthritis	ICD-10-CM
M00.0	Staphylococcal arthritis and polyarthritis	ICD-10-CM
M00.00	Staphylococcal arthritis, unspecified joint	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 Serious Infections

Code	Description	Code Type
M00.01	Staphylococcal arthritis, shoulder	ICD-10-CM
M00.011	Staphylococcal arthritis, right shoulder	ICD-10-CM
M00.012	Staphylococcal arthritis, left shoulder	ICD-10-CM
M00.019	Staphylococcal arthritis, unspecified shoulder	ICD-10-CM
M00.02	Staphylococcal arthritis, elbow	ICD-10-CM
M00.021	Staphylococcal arthritis, right elbow	ICD-10-CM
M00.022	Staphylococcal arthritis, left elbow	ICD-10-CM
M00.029	Staphylococcal arthritis, unspecified elbow	ICD-10-CM
M00.03	Staphylococcal arthritis, wrist	ICD-10-CM
M00.031	Staphylococcal arthritis, right wrist	ICD-10-CM
M00.032	Staphylococcal arthritis, left wrist	ICD-10-CM
M00.039	Staphylococcal arthritis, unspecified wrist	ICD-10-CM
M00.04	Staphylococcal arthritis, hand	ICD-10-CM
M00.041	Staphylococcal arthritis, right hand	ICD-10-CM
M00.042	Staphylococcal arthritis, left hand	ICD-10-CM
M00.049	Staphylococcal arthritis, unspecified hand	ICD-10-CM
M00.05	Staphylococcal arthritis, hip	ICD-10-CM
M00.051	Staphylococcal arthritis, right hip	ICD-10-CM
M00.052	Staphylococcal arthritis, left hip	ICD-10-CM
M00.059	Staphylococcal arthritis, unspecified hip	ICD-10-CM
M00.06	Staphylococcal arthritis, knee	ICD-10-CM
M00.061	Staphylococcal arthritis, right knee	ICD-10-CM
M00.062	Staphylococcal arthritis, left knee	ICD-10-CM
M00.069	Staphylococcal arthritis, unspecified knee	ICD-10-CM
M00.07	Staphylococcal arthritis, ankle and foot	ICD-10-CM
M00.071	Staphylococcal arthritis, right ankle and foot	ICD-10-CM
M00.072	Staphylococcal arthritis, left ankle and foot	ICD-10-CM
M00.079	Staphylococcal arthritis, unspecified ankle and foot	ICD-10-CM
M00.08	Staphylococcal arthritis, vertebrae	ICD-10-CM
M00.09	Staphylococcal polyarthritis	ICD-10-CM
M00.1	Pneumococcal arthritis and polyarthritis	ICD-10-CM
M00.10	Pneumococcal arthritis, unspecified joint	ICD-10-CM
M00.11	Pneumococcal arthritis, shoulder	ICD-10-CM
M00.111	Pneumococcal arthritis, right shoulder	ICD-10-CM
M00.112	Pneumococcal arthritis, left shoulder	ICD-10-CM
M00.119	Pneumococcal arthritis, unspecified shoulder	ICD-10-CM
M00.12	Pneumococcal arthritis, elbow	ICD-10-CM
M00.121	Pneumococcal arthritis, right elbow	ICD-10-CM
M00.122	Pneumococcal arthritis, left elbow	ICD-10-CM
M00.129	Pneumococcal arthritis, unspecified elbow	ICD-10-CM
M00.13	Pneumococcal arthritis, wrist	ICD-10-CM
M00.131	Pneumococcal arthritis, right wrist	ICD-10-CM
M00.132	Pneumococcal arthritis, left wrist	ICD-10-CM
M00.139	Pneumococcal arthritis, unspecified wrist	ICD-10-CM
M00.14	Pneumococcal arthritis, hand	ICD-10-CM
M00.141	Pneumococcal arthritis, right hand	ICD-10-CM
M00.142	Pneumococcal arthritis, left hand	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 Serious Infections

Code	Description	Code Type
M00.149	Pneumococcal arthritis, unspecified hand	ICD-10-CM
M00.15	Pneumococcal arthritis, hip	ICD-10-CM
M00.151	Pneumococcal arthritis, right hip	ICD-10-CM
M00.152	Pneumococcal arthritis, left hip	ICD-10-CM
M00.159	Pneumococcal arthritis, unspecified hip	ICD-10-CM
M00.16	Pneumococcal arthritis, knee	ICD-10-CM
M00.161	Pneumococcal arthritis, right knee	ICD-10-CM
M00.162	Pneumococcal arthritis, left knee	ICD-10-CM
M00.169	Pneumococcal arthritis, unspecified knee	ICD-10-CM
M00.17	Pneumococcal arthritis, ankle and foot	ICD-10-CM
M00.171	Pneumococcal arthritis, right ankle and foot	ICD-10-CM
M00.172	Pneumococcal arthritis, left ankle and foot	ICD-10-CM
M00.179	Pneumococcal arthritis, unspecified ankle and foot	ICD-10-CM
M00.18	Pneumococcal arthritis, vertebrae	ICD-10-CM
M00.19	Pneumococcal polyarthritis	ICD-10-CM
M00.2	Other streptococcal arthritis and polyarthritis	ICD-10-CM
M00.20	Other streptococcal arthritis, unspecified joint	ICD-10-CM
M00.21	Other streptococcal arthritis, shoulder	ICD-10-CM
M00.211	Other streptococcal arthritis, right shoulder	ICD-10-CM
M00.212	Other streptococcal arthritis, left shoulder	ICD-10-CM
M00.219	Other streptococcal arthritis, unspecified shoulder	ICD-10-CM
M00.22	Other streptococcal arthritis, elbow	ICD-10-CM
M00.221	Other streptococcal arthritis, right elbow	ICD-10-CM
M00.222	Other streptococcal arthritis, left elbow	ICD-10-CM
M00.229	Other streptococcal arthritis, unspecified elbow	ICD-10-CM
M00.23	Other streptococcal arthritis, wrist	ICD-10-CM
M00.231	Other streptococcal arthritis, right wrist	ICD-10-CM
M00.232	Other streptococcal arthritis, left wrist	ICD-10-CM
M00.239	Other streptococcal arthritis, unspecified wrist	ICD-10-CM
M00.24	Other streptococcal arthritis, hand	ICD-10-CM
M00.241	Other streptococcal arthritis, right hand	ICD-10-CM
M00.242	Other streptococcal arthritis, left hand	ICD-10-CM
M00.249	Other streptococcal arthritis, unspecified hand	ICD-10-CM
M00.25	Other streptococcal arthritis, hip	ICD-10-CM
M00.251	Other streptococcal arthritis, right hip	ICD-10-CM
M00.252	Other streptococcal arthritis, left hip	ICD-10-CM
M00.259	Other streptococcal arthritis, unspecified hip	ICD-10-CM
M00.26	Other streptococcal arthritis, knee	ICD-10-CM
M00.261	Other streptococcal arthritis, right knee	ICD-10-CM
M00.262	Other streptococcal arthritis, left knee	ICD-10-CM
M00.269	Other streptococcal arthritis, unspecified knee	ICD-10-CM
M00.27	Other streptococcal arthritis, ankle and foot	ICD-10-CM
M00.271	Other streptococcal arthritis, right ankle and foot	ICD-10-CM
M00.272	Other streptococcal arthritis, left ankle and foot	ICD-10-CM
M00.279	Other streptococcal arthritis, unspecified ankle and foot	ICD-10-CM
M00.28	Other streptococcal arthritis, vertebrae	ICD-10-CM
M00.29	Other streptococcal polyarthritis	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 Serious Infections

Code	Description	Code Type
M00.8	Arthritis and polyarthritis due to other bacteria	ICD-10-CM
M00.80	Arthritis due to other bacteria, unspecified joint	ICD-10-CM
M00.81	Arthritis due to other bacteria, shoulder	ICD-10-CM
M00.811	Arthritis due to other bacteria, right shoulder	ICD-10-CM
M00.812	Arthritis due to other bacteria, left shoulder	ICD-10-CM
M00.819	Arthritis due to other bacteria, unspecified shoulder	ICD-10-CM
M00.82	Arthritis due to other bacteria, elbow	ICD-10-CM
M00.821	Arthritis due to other bacteria, right elbow	ICD-10-CM
M00.822	Arthritis due to other bacteria, left elbow	ICD-10-CM
M00.829	Arthritis due to other bacteria, unspecified elbow	ICD-10-CM
M00.83	Arthritis due to other bacteria, wrist	ICD-10-CM
M00.831	Arthritis due to other bacteria, right wrist	ICD-10-CM
M00.832	Arthritis due to other bacteria, left wrist	ICD-10-CM
M00.839	Arthritis due to other bacteria, unspecified wrist	ICD-10-CM
M00.84	Arthritis due to other bacteria, hand	ICD-10-CM
M00.841	Arthritis due to other bacteria, right hand	ICD-10-CM
M00.842	Arthritis due to other bacteria, left hand	ICD-10-CM
M00.849	Arthritis due to other bacteria, unspecified hand	ICD-10-CM
M00.85	Arthritis due to other bacteria, hip	ICD-10-CM
M00.851	Arthritis due to other bacteria, right hip	ICD-10-CM
M00.852	Arthritis due to other bacteria, left hip	ICD-10-CM
M00.859	Arthritis due to other bacteria, unspecified hip	ICD-10-CM
M00.86	Arthritis due to other bacteria, knee	ICD-10-CM
M00.861	Arthritis due to other bacteria, right knee	ICD-10-CM
M00.862	Arthritis due to other bacteria, left knee	ICD-10-CM
M00.869	Arthritis due to other bacteria, unspecified knee	ICD-10-CM
M00.87	Arthritis due to other bacteria, ankle and foot	ICD-10-CM
M00.871	Arthritis due to other bacteria, right ankle and foot	ICD-10-CM
M00.872	Arthritis due to other bacteria, left ankle and foot	ICD-10-CM
M00.879	Arthritis due to other bacteria, unspecified ankle and foot	ICD-10-CM
M00.88	Arthritis due to other bacteria, vertebrae	ICD-10-CM
M00.89	Polyarthritis due to other bacteria	ICD-10-CM
M00.9	Pyogenic arthritis, unspecified	ICD-10-CM
M27.2	Inflammatory conditions of jaws	ICD-10-CM
M60.0	Infective myositis	ICD-10-CM
M60.00	Infective myositis, unspecified site	ICD-10-CM
M60.000	Infective myositis, unspecified right arm	ICD-10-CM
M60.001	Infective myositis, unspecified left arm	ICD-10-CM
M60.002	Infective myositis, unspecified arm	ICD-10-CM
M60.003	Infective myositis, unspecified right leg	ICD-10-CM
M60.004	Infective myositis, unspecified left leg	ICD-10-CM
M60.005	Infective myositis, unspecified leg	ICD-10-CM
M60.009	Infective myositis, unspecified site	ICD-10-CM
M60.01	Infective myositis, shoulder	ICD-10-CM
M60.011	Infective myositis, right shoulder	ICD-10-CM
M60.012	Infective myositis, left shoulder	ICD-10-CM
M60.019	Infective myositis, unspecified shoulder	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 Serious Infections

Code	Description	Code Type
M60.02	Infective myositis, upper arm	ICD-10-CM
M60.021	Infective myositis, right upper arm	ICD-10-CM
M60.022	Infective myositis, left upper arm	ICD-10-CM
M60.029	Infective myositis, unspecified upper arm	ICD-10-CM
M60.03	Infective myositis, forearm	ICD-10-CM
M60.031	Infective myositis, right forearm	ICD-10-CM
M60.032	Infective myositis, left forearm	ICD-10-CM
M60.039	Infective myositis, unspecified forearm	ICD-10-CM
M60.04	Infective myositis, hand and fingers	ICD-10-CM
M60.041	Infective myositis, right hand	ICD-10-CM
M60.042	Infective myositis, left hand	ICD-10-CM
M60.043	Infective myositis, unspecified hand	ICD-10-CM
M60.044	Infective myositis, right finger(s)	ICD-10-CM
M60.045	Infective myositis, left finger(s)	ICD-10-CM
M60.046	Infective myositis, unspecified finger(s)	ICD-10-CM
M60.05	Infective myositis, thigh	ICD-10-CM
M60.051	Infective myositis, right thigh	ICD-10-CM
M60.052	Infective myositis, left thigh	ICD-10-CM
M60.059	Infective myositis, unspecified thigh	ICD-10-CM
M60.06	Infective myositis, lower leg	ICD-10-CM
M60.061	Infective myositis, right lower leg	ICD-10-CM
M60.062	Infective myositis, left lower leg	ICD-10-CM
M60.069	Infective myositis, unspecified lower leg	ICD-10-CM
M60.07	Infective myositis, ankle, foot and toes	ICD-10-CM
M60.070	Infective myositis, right ankle	ICD-10-CM
M60.071	Infective myositis, left ankle	ICD-10-CM
M60.072	Infective myositis, unspecified ankle	ICD-10-CM
M60.073	Infective myositis, right foot	ICD-10-CM
M60.074	Infective myositis, left foot	ICD-10-CM
M60.075	Infective myositis, unspecified foot	ICD-10-CM
M60.076	Infective myositis, right toe(s)	ICD-10-CM
M60.077	Infective myositis, left toe(s)	ICD-10-CM
M60.078	Infective myositis, unspecified toe(s)	ICD-10-CM
M60.08	Infective myositis, other site	ICD-10-CM
M60.09	Infective myositis, multiple sites	ICD-10-CM
M72.6	Necrotizing fasciitis	ICD-10-CM
M86.1	Other acute osteomyelitis	ICD-10-CM
M86.10	Other acute osteomyelitis, unspecified site	ICD-10-CM
M86.11	Other acute osteomyelitis, shoulder	ICD-10-CM
M86.111	Other acute osteomyelitis, right shoulder	ICD-10-CM
M86.112	Other acute osteomyelitis, left shoulder	ICD-10-CM
M86.119	Other acute osteomyelitis, unspecified shoulder	ICD-10-CM
M86.12	Other acute osteomyelitis, humerus	ICD-10-CM
M86.121	Other acute osteomyelitis, right humerus	ICD-10-CM
M86.122	Other acute osteomyelitis, left humerus	ICD-10-CM
M86.129	Other acute osteomyelitis, unspecified humerus	ICD-10-CM
M86.13	Other acute osteomyelitis, radius and ulna	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 Serious Infections

Code	Description	Code Type
M86.131	Other acute osteomyelitis, right radius and ulna	ICD-10-CM
M86.132	Other acute osteomyelitis, left radius and ulna	ICD-10-CM
M86.139	Other acute osteomyelitis, unspecified radius and ulna	ICD-10-CM
M86.14	Other acute osteomyelitis, hand	ICD-10-CM
M86.141	Other acute osteomyelitis, right hand	ICD-10-CM
M86.142	Other acute osteomyelitis, left hand	ICD-10-CM
M86.149	Other acute osteomyelitis, unspecified hand	ICD-10-CM
M86.15	Other acute osteomyelitis, femur	ICD-10-CM
M86.151	Other acute osteomyelitis, right femur	ICD-10-CM
M86.152	Other acute osteomyelitis, left femur	ICD-10-CM
M86.159	Other acute osteomyelitis, unspecified femur	ICD-10-CM
M86.16	Other acute osteomyelitis, tibia and fibula	ICD-10-CM
M86.161	Other acute osteomyelitis, right tibia and fibula	ICD-10-CM
M86.162	Other acute osteomyelitis, left tibia and fibula	ICD-10-CM
M86.169	Other acute osteomyelitis, unspecified tibia and fibula	ICD-10-CM
M86.17	Other acute osteomyelitis, ankle and foot	ICD-10-CM
M86.171	Other acute osteomyelitis, right ankle and foot	ICD-10-CM
M86.172	Other acute osteomyelitis, left ankle and foot	ICD-10-CM
M86.179	Other acute osteomyelitis, unspecified ankle and foot	ICD-10-CM
M86.18	Other acute osteomyelitis, other site	ICD-10-CM
M86.19	Other acute osteomyelitis, multiple sites	ICD-10-CM
M86.4	Chronic osteomyelitis with draining sinus	ICD-10-CM
M86.40	Chronic osteomyelitis with draining sinus, unspecified site	ICD-10-CM
M86.41	Chronic osteomyelitis with draining sinus, shoulder	ICD-10-CM
M86.411	Chronic osteomyelitis with draining sinus, right shoulder	ICD-10-CM
M86.412	Chronic osteomyelitis with draining sinus, left shoulder	ICD-10-CM
M86.419	Chronic osteomyelitis with draining sinus, unspecified shoulder	ICD-10-CM
M86.42	Chronic osteomyelitis with draining sinus, humerus	ICD-10-CM
M86.421	Chronic osteomyelitis with draining sinus, right humerus	ICD-10-CM
M86.422	Chronic osteomyelitis with draining sinus, left humerus	ICD-10-CM
M86.429	Chronic osteomyelitis with draining sinus, unspecified humerus	ICD-10-CM
M86.43	Chronic osteomyelitis with draining sinus, radius and ulna	ICD-10-CM
M86.431	Chronic osteomyelitis with draining sinus, right radius and ulna	ICD-10-CM
M86.432	Chronic osteomyelitis with draining sinus, left radius and ulna	ICD-10-CM
M86.439	Chronic osteomyelitis with draining sinus, unspecified radius and ulna	ICD-10-CM
M86.44	Chronic osteomyelitis with draining sinus, hand	ICD-10-CM
M86.441	Chronic osteomyelitis with draining sinus, right hand	ICD-10-CM
M86.442	Chronic osteomyelitis with draining sinus, left hand	ICD-10-CM
M86.449	Chronic osteomyelitis with draining sinus, unspecified hand	ICD-10-CM
M86.45	Chronic osteomyelitis with draining sinus, femur	ICD-10-CM
M86.451	Chronic osteomyelitis with draining sinus, right femur	ICD-10-CM
M86.452	Chronic osteomyelitis with draining sinus, left femur	ICD-10-CM
M86.459	Chronic osteomyelitis with draining sinus, unspecified femur	ICD-10-CM
M86.46	Chronic osteomyelitis with draining sinus, tibia and fibula	ICD-10-CM
M86.461	Chronic osteomyelitis with draining sinus, right tibia and fibula	ICD-10-CM
M86.462	Chronic osteomyelitis with draining sinus, left tibia and fibula	ICD-10-CM
M86.469	Chronic osteomyelitis with draining sinus, unspecified tibia and fibula	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 Serious Infections

Code	Description	Code Type
M86.47	Chronic osteomyelitis with draining sinus, ankle and foot	ICD-10-CM
M86.471	Chronic osteomyelitis with draining sinus, right ankle and foot	ICD-10-CM
M86.472	Chronic osteomyelitis with draining sinus, left ankle and foot	ICD-10-CM
M86.479	Chronic osteomyelitis with draining sinus, unspecified ankle and foot	ICD-10-CM
M86.48	Chronic osteomyelitis with draining sinus, other site	ICD-10-CM
M86.49	Chronic osteomyelitis with draining sinus, multiple sites	ICD-10-CM
M86.6	Other chronic osteomyelitis	ICD-10-CM
M86.60	Other chronic osteomyelitis, unspecified site	ICD-10-CM
M86.61	Other chronic osteomyelitis, shoulder	ICD-10-CM
M86.611	Other chronic osteomyelitis, right shoulder	ICD-10-CM
M86.612	Other chronic osteomyelitis, left shoulder	ICD-10-CM
M86.619	Other chronic osteomyelitis, unspecified shoulder	ICD-10-CM
M86.62	Other chronic osteomyelitis, humerus	ICD-10-CM
M86.621	Other chronic osteomyelitis, right humerus	ICD-10-CM
M86.622	Other chronic osteomyelitis, left humerus	ICD-10-CM
M86.629	Other chronic osteomyelitis, unspecified humerus	ICD-10-CM
M86.63	Other chronic osteomyelitis, radius and ulna	ICD-10-CM
M86.631	Other chronic osteomyelitis, right radius and ulna	ICD-10-CM
M86.632	Other chronic osteomyelitis, left radius and ulna	ICD-10-CM
M86.639	Other chronic osteomyelitis, unspecified radius and ulna	ICD-10-CM
M86.64	Other chronic osteomyelitis, hand	ICD-10-CM
M86.641	Other chronic osteomyelitis, right hand	ICD-10-CM
M86.642	Other chronic osteomyelitis, left hand	ICD-10-CM
M86.649	Other chronic osteomyelitis, unspecified hand	ICD-10-CM
M86.65	Other chronic osteomyelitis, thigh	ICD-10-CM
M86.651	Other chronic osteomyelitis, right thigh	ICD-10-CM
M86.652	Other chronic osteomyelitis, left thigh	ICD-10-CM
M86.659	Other chronic osteomyelitis, unspecified thigh	ICD-10-CM
M86.66	Other chronic osteomyelitis, tibia and fibula	ICD-10-CM
M86.661	Other chronic osteomyelitis, right tibia and fibula	ICD-10-CM
M86.662	Other chronic osteomyelitis, left tibia and fibula	ICD-10-CM
M86.669	Other chronic osteomyelitis, unspecified tibia and fibula	ICD-10-CM
M86.67	Other chronic osteomyelitis, ankle and foot	ICD-10-CM
M86.671	Other chronic osteomyelitis, right ankle and foot	ICD-10-CM
M86.672	Other chronic osteomyelitis, left ankle and foot	ICD-10-CM
M86.679	Other chronic osteomyelitis, unspecified ankle and foot	ICD-10-CM
M86.68	Other chronic osteomyelitis, other site	ICD-10-CM
M86.69	Other chronic osteomyelitis, multiple sites	ICD-10-CM
M86.9	Osteomyelitis, unspecified	ICD-10-CM
N10	Acute pyelonephritis	ICD-10-CM
N15.1	Renal and perinephric abscess	ICD-10-CM
N34.0	Urethral abscess	ICD-10-CM
N39.0	Urinary tract infection, site not specified	ICD-10-CM
N41	Inflammatory diseases of prostate	ICD-10-CM
N41.0	Acute prostatitis	ICD-10-CM
N41.1	Chronic prostatitis	ICD-10-CM
N41.2	Abscess of prostate	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 Serious Infections

Code	Description	Code Type
N41.3	Prostatocystitis	ICD-10-CM
N41.4	Granulomatous prostatitis	ICD-10-CM
N41.8	Other inflammatory diseases of prostate	ICD-10-CM
N41.9	Inflammatory disease of prostate, unspecified	ICD-10-CM
N48.2	Other inflammatory disorders of penis	ICD-10-CM
N48.21	Abscess of corpus cavernosum and penis	ICD-10-CM
N48.22	Cellulitis of corpus cavernosum and penis	ICD-10-CM
N48.29	Other inflammatory disorders of penis	ICD-10-CM
N49.8	Inflammatory disorders of other specified male genital organs	ICD-10-CM
N61	Inflammatory disorders of breast	ICD-10-CM
N61.0	Mastitis without abscess	ICD-10-CM
N61.1	Abscess of the breast and nipple	ICD-10-CM
N73.0	Acute parametritis and pelvic cellulitis	ICD-10-CM
N73.1	Chronic parametritis and pelvic cellulitis	ICD-10-CM
N73.2	Unspecified parametritis and pelvic cellulitis	ICD-10-CM
R78.81	Bacteremia	ICD-10-CM
T79.8XXA	Other early complications of trauma, initial encounter	ICD-10-CM
T81.4	Infection following a procedure	ICD-10-CM
T81.4XXA	Infection following a procedure, initial encounter	ICD-10-CM
T81.4XXD	Infection following a procedure, subsequent encounter	ICD-10-CM
T81.4XXS	Infection following a procedure, sequela	ICD-10-CM
T85.79XA	Infection and inflammatory reaction due to internal prosthetic device implant and graft	ICD-10-CM

Appendix C. Specifications for Parameters for this Request

Sentinel's Cohort Identification and Descriptive Analysis (CIDA) module version 3.3.6 was used to compare the frequency of diagnoses for serious infections using International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) and International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) codes.

Enrollment Gap: 45 days

Age Groups: 2-17, 18-44, 45-64, 65+ years

Enrollment Requirement: 183 days

Coverage Requirement: Medical coverage

Event

Scenario	Query Start Date	Query End Date	Event	Event Code Type	Incident with Respect To:	Washout (days)	Cohort Definition	Care Setting
1	1/1/2015	3/31/2015	Serious Infection	ICD-9-CM	ICD-9-CM	90	First valid event only	Inpatient Hospital Stay Principal Diagnosis (IPP)
2	1/1/2016	3/31/2016	Serious Infection	ICD-10-CM	ICD-10-CM	90	First valid event only	IPP
3	10/1/2010	3/31/2016	Serious Infection	ICD-9-CM	ICD-9-CM or ICD-10-CM	183	First valid event only	IPP
4	10/1/2010	3/31/2016	Serious Infection	ICD-10-CM	ICD-9-CM or ICD-10-CM	183	First valid event only	IPP

ICD-9-CM and ICD-10-CM are provided by Optum360. ICD-10-CM codes were mapped from ICD-9-CM codes using the Centers for Medicare and Medicaid Services General Equivalence Mappings.