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).

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Request ID: siip_mpl1r_wp002_nsdp_v03

Request Description: In this report we identified serious infections among immunocompromised health plan members within the Sentinel Distributed Database (SDD).

Sentinel Routine Querying Module: Cohort Identification and Descriptive Analysis (CIDA) module, version 7.3.2

Data Source: We distributed this request to 12 Data Partners on April 22, 2019. The study period included data from July 1, 2016 to August 31, 2018. See Appendix A for a list of the dates of available data for each Data Partner.

Study Design: We identified immunocompromised individuals with a serious infection diagnosis of interest. The number of qualifying patients with the diagnosis of interest were calculated overall, by age, year. This is a Type 1 analysis in the Query Request Package (QRP) documentation.

Event of Interest: The events of interest were the following serious infections: acute meningitis, acute osteomyelitis, bacteremia, pneumonia, pyelonephritis, serious gastrointestinal (GI) infection, and skin or soft tissue infection. Infections were evaluated for occurrence in the inpatient care setting, with allowance of principal discharge diagnosis status of primary, secondary, and unknown. The serious infections were defined using International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) diagnosis codes. Please see Appendix B for a list of codes used to define infections in this request.

Cohort Eligibility Criteria: We required members to be continuously enrolled in health plans with medical and drug coverage for at least one year (365 days) prior to the diagnosis of interest, during which gaps in coverage of up to 45 days were allowed. The following age groups were included in the cohort: 0-19, 20-44, 45-64, 65+ years. Only the first valid diagnosis was included for each member; cohort re-entry was not allowed.

Members were included if they met all three criteria to be considered immunocompromised:

(1) Within seven days prior to or on the date of hospital admission for the serious infection: a) any serious or non-serious infection in outpatient setting or emergency department, or b) antimicrobial use in the outpatient setting
(2) Within one year (365 days) days prior to or on the date of hospital admission for the serious infection: diagnosis in any care setting of inflammatory bowel disease, psoriasis, or a rheumatological condition
(3) Within 90 days prior to or on the date of hospital admission for the serious infection: treatment for inflammatory bowel disease, psoriasis, or a rheumatological condition in the outpatient care setting

Immunocompromised inclusion criteria were defined using ICD-10-CM diagnosis codes, International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM) diagnosis codes, Healthcare Common Procedure Coding System (HCPCS) codes, Current Procedural Terminology, 4th Edition (CPT-4) procedure codes, Current Procedural Terminology, Fourth Edition, Category II (CPT-4 Category II) and National Drug Codes (NDCs). Please see Appendix C for a list of diagnosis and procedure codes and Appendix D for generic and brand names of medical products used to define inclusion criteria.

Please see Appendix E for specifications of parameters used in this request.

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

Notes: Please contact the Sentinel Operations Center (info@sentinelsystem.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.sentinelsystem.org/projects/SENTINEL/repos/sentinel-routine-querying-tool-documentation/browse).

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

Amount Supplied - number of units (pills, tablets, vials) dispensed. Net amount per 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.

Charlson/Elixhauser Combined Comorbidity Score - calculated based on comorbidities observed during a requester-defined window around the exposure episode start date (e.g., in the 183 days prior to index).

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 1. Summary of Immunocompromised Patients with a Serious Infection Diagnosis in the Sentinel Distributed Database (SDD) between July 1, 2016 and August 31, 2018, Overall

Serious Infection	Diagnosed Members	Eligible Members[1]	Diagnosed Members per 10,000 Eligible Members	Unique Diagnosis Counts
Acute Meningitis	33	60,896	5.42	46
Acute Osteomyelitis	98	60,896	16.09	151
Bacteremia	1,260	60,896	206.91	1,929
Pneumonia	1,000	60,896	164.21	1,250
Pyelonephritis	82	60,896	13.47	83
Serious Gastrointestinal Infection	515	60,896	84.57	729
Skin/Soft Tissue Infection	806	60,896	132.36	1,352

[1]Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 2. Summary of Immunocompromised Patients with a Serious Infection Diagnosis in the Sentinel Distributed Database (SDD) between July 1, 2016 and August 31, 2018, by Age Group

Age Group (years)	Diagnosed Members	Eligible Members[1]	Diagnosed Members per 10,000 Eligible Members	Unique Diagnosis Counts
Acute Meningitis				
0-19	0	2,576	0.00	0
20-44	5	16,704	2.99	9
45-64	20	31,025	6.45	28
65+	8	12,010	6.66	9
Acute Osteomyelitis				
0-19	4	2,576	15.53	4
20-44	13	16,704	7.78	21
45-64	46	31,024	14.83	72
65+	35	12,010	29.14	54
Bacteremia				
0-19	18	2,576	69.88	31
20-44	176	16,700	105.39	266
45-64	556	31,018	179.25	859
65+	510	11,997	425.11	773
Pneumonia				
0-19	9	2,576	34.94	11
20-44	87	16,704	52.08	125
45-64	426	31,021	137.33	556
65+	478	12,001	398.30	558
Pyelonephritis				
0-19	3	2,576	11.65	3
20-44	8	16,704	4.79	8
45-64	44	31,025	14.18	45
65+	27	12,009	22.48	27
Serious Gastrointestinal Infection				
0-19	27	2,576	104.81	41
20-44	127	16,702	76.04	185
45-64	222	31,021	71.56	308
65+	139	12,007	115.77	195
Skin/Soft Tissue Infection				
0-19	40	2,576	155.28	66
20-44	154	16,699	92.22	251
45-64	396	31,019	127.66	690
65+	216	12,004	179.94	345

[1]Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 3. Summary of Immunocompromised Patients with a Serious Infection Diagnosis in the Sentinel Distributed Database (SDD) between July 1, 2016 and August 31, 2018, by Sex

Sex	Diagnosed Members	Eligible Members[1]	Diagnosed Members per 10,000 Eligible Members	Unique Diagnosis Counts
Acute Meningitis				
Female	22	38,920	5.65	29
Male	11	21,976	5.01	17
Other	0	0	.	0
Acute Osteomyelitis				
Female	56	38,920	14.39	87
Male	42	21,976	19.11	64
Other	0	0	.	0
Bacteremia				
Female	830	38,920	213.26	1,278
Male	430	21,976	195.67	651
Other	0	0	.	0
Pneumonia				
Female	657	38,920	168.81	827
Male	343	21,976	156.08	423
Other	0	0	.	0
Pyelonephritis				
Female	67	38,920	17.21	67
Male	15	21,976	6.83	16
Other	0	0	.	0
Serious Gastrointestinal Infection				
Female	308	38,920	79.14	425
Male	207	21,976	94.19	304
Other	0	0	.	0
Skin/Soft Tissue Infection				
Female	495	38,920	127.18	812
Male	311	21,976	141.52	540
Other	0	0	.	0

[1]Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Table 4. Summary of Immunocompromised Patients with a Serious Infection Diagnosis in the Sentinel Distributed Database (SDD) between July 1, 2016 and August 31, 2018, by Year of Diagnosis

Year	Diagnosed Members	Eligible Members[1]	Diagnosed Members per 10,000 Eligible Members	Unique Diagnosis Counts
Acute Meningitis				
2016	4	28,846	1.39	4
2017	25	43,835	5.70	37
2018	4	24,600	1.63	5
Acute Osteomyelitis				
2016	20	28,846	6.93	36
2017	70	43,826	15.97	102
2018	8	24,584	3.25	13
Bacteremia				
2016	332	28,846	115.09	485
2017	689	43,633	157.91	1,077
2018	239	24,316	98.29	367
Pneumonia				
2016	252	28,846	87.36	302
2017	552	43,667	126.41	680
2018	196	24,353	80.48	268
Pyelonephritis				
2016	23	28,846	7.97	24
2017	46	43,824	10.50	46
2018	13	24,584	5.29	13
Serious Gastrointestinal Infection				
2016	139	28,846	48.19	198
2017	277	43,756	63.31	393
2018	99	24,460	40.47	138
Skin/Soft Tissue Infection				
2016	226	28,846	78.35	367
2017	461	43,693	105.51	795
2018	119	24,366	48.84	190

[1]Eligible Members are reflective of the number of patients that met all cohort entry criteria on at least one day during the query period

Appendix A. Dates of Available Data for Each Data Partner (DP) as of Request Distribution Date (April 22, 2019)

DP ID	DP Start Date[1]	DP End Date[1]
DP01	01/01/2000	12/31/2017
DP02	01/01/2000	06/30/2018
DP03	01/01/2008	06/30/2018
DP04	01/01/2000	03/31/2018
DP05	01/01/2000	06/30/2018
DP06	01/01/2000	12/31/2017
DP07	01/01/2005	09/30/2017
DP08	01/01/2000	03/31/2018
DP09	01/01/2004	08/31/2018
DP10	06/01/2007	04/30/2018
DP11	01/01/2000	07/31/2017
DP12	01/01/2006	05/31/2018

[1]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, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Diagnoses of Interest

Code	Description	Code Type	Code Category
Acute Meningitis			
A0101	Typhoid meningitis	ICD-10-CM	Diagnosis
A0221	Salmonella meningitis	ICD-10-CM	Diagnosis
A170	Tuberculous meningitis	ICD-10-CM	Diagnosis
A203	Plague meningitis	ICD-10-CM	Diagnosis
A2781	Aseptic meningitis in leptospirosis	ICD-10-CM	Diagnosis
A3211	Listerial meningitis	ICD-10-CM	Diagnosis
A390	Meningococcal meningitis	ICD-10-CM	Diagnosis
A4281	Actinomycotic meningitis	ICD-10-CM	Diagnosis
A6921	Meningitis due to Lyme disease	ICD-10-CM	Diagnosis
A870	Enteroviral meningitis	ICD-10-CM	Diagnosis
A871	Adenoviral meningitis	ICD-10-CM	Diagnosis
A872	Lymphocytic choriomeningitis	ICD-10-CM	Diagnosis
A878	Other viral meningitis	ICD-10-CM	Diagnosis
A879	Viral meningitis, unspecified	ICD-10-CM	Diagnosis
B003	Herpesviral meningitis	ICD-10-CM	Diagnosis
B010	Varicella meningitis	ICD-10-CM	Diagnosis
B021	Zoster meningitis	ICD-10-CM	Diagnosis
B051	Measles complicated by meningitis	ICD-10-CM	Diagnosis
B0602	Rubella meningitis	ICD-10-CM	Diagnosis
B261	Mumps meningitis	ICD-10-CM	Diagnosis
B2702	Gammaherpesviral mononucleosis with meningitis	ICD-10-CM	Diagnosis
B2712	Cytomegaloviral mononucleosis with meningitis	ICD-10-CM	Diagnosis
B2782	Other infectious mononucleosis with meningitis	ICD-10-CM	Diagnosis
B2792	Infectious mononucleosis, unspecified with meningitis	ICD-10-CM	Diagnosis
B375	Candidal meningitis	ICD-10-CM	Diagnosis
B384	Coccidioidomycosis meningitis	ICD-10-CM	Diagnosis
B451	Cerebral cryptococcosis	ICD-10-CM	Diagnosis
B5741	Meningitis in Chagas' disease	ICD-10-CM	Diagnosis
G000	Hemophilus meningitis	ICD-10-CM	Diagnosis
G001	Pneumococcal meningitis	ICD-10-CM	Diagnosis
G002	Streptococcal meningitis	ICD-10-CM	Diagnosis
G003	Staphylococcal meningitis	ICD-10-CM	Diagnosis
G008	Other bacterial meningitis	ICD-10-CM	Diagnosis
G009	Bacterial meningitis, unspecified	ICD-10-CM	Diagnosis
G01	Meningitis in bacterial diseases classified elsewhere	ICD-10-CM	Diagnosis
G02	Meningitis in oth infec/parastc diseases classd elswhr	ICD-10-CM	Diagnosis
G038	Meningitis due to other specified causes	ICD-10-CM	Diagnosis
G039	Meningitis, unspecified	ICD-10-CM	Diagnosis
Acute Osteomyelitis			
A0105	Typhoid osteomyelitis	ICD-10-CM	Diagnosis
A0224	Salmonella osteomyelitis	ICD-10-CM	Diagnosis
H05021	Osteomyelitis of right orbit	ICD-10-CM	Diagnosis
H05022	Osteomyelitis of left orbit	ICD-10-CM	Diagnosis
H05023	Osteomyelitis of bilateral orbits	ICD-10-CM	Diagnosis
H05029	Osteomyelitis of unspecified orbit	ICD-10-CM	Diagnosis
M4620	Osteomyelitis of vertebra, site unspecified	ICD-10-CM	Diagnosis
M4621	Osteomyelitis of vertebra, occipito-atlanto-axial region	ICD-10-CM	Diagnosis
M4622	Osteomyelitis of vertebra, cervical region	ICD-10-CM	Diagnosis
M4623	Osteomyelitis of vertebra, cervicothoracic region	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
M4624	Osteomyelitis of vertebra, thoracic region	ICD-10-CM	Diagnosis
M4625	Osteomyelitis of vertebra, thoracolumbar region	ICD-10-CM	Diagnosis
M4626	Osteomyelitis of vertebra, lumbar region	ICD-10-CM	Diagnosis
M4627	Osteomyelitis of vertebra, lumbosacral region	ICD-10-CM	Diagnosis
M4628	Osteomyelitis of vertebra, sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
M8600	Acute hematogenous osteomyelitis, unspecified site	ICD-10-CM	Diagnosis
M86011	Acute hematogenous osteomyelitis, right shoulder	ICD-10-CM	Diagnosis
M86012	Acute hematogenous osteomyelitis, left shoulder	ICD-10-CM	Diagnosis
M86019	Acute hematogenous osteomyelitis, unspecified shoulder	ICD-10-CM	Diagnosis
M86021	Acute hematogenous osteomyelitis, right humerus	ICD-10-CM	Diagnosis
M86022	Acute hematogenous osteomyelitis, left humerus	ICD-10-CM	Diagnosis
M86029	Acute hematogenous osteomyelitis, unspecified humerus	ICD-10-CM	Diagnosis
M86031	Acute hematogenous osteomyelitis, right radius and ulna	ICD-10-CM	Diagnosis
M86032	Acute hematogenous osteomyelitis, left radius and ulna	ICD-10-CM	Diagnosis
M86039	Acute hematogenous osteomyelitis, unsp radius and ulna	ICD-10-CM	Diagnosis
M86041	Acute hematogenous osteomyelitis, right hand	ICD-10-CM	Diagnosis
M86042	Acute hematogenous osteomyelitis, left hand	ICD-10-CM	Diagnosis
M86049	Acute hematogenous osteomyelitis, unspecified hand	ICD-10-CM	Diagnosis
M86051	Acute hematogenous osteomyelitis, right femur	ICD-10-CM	Diagnosis
M86052	Acute hematogenous osteomyelitis, left femur	ICD-10-CM	Diagnosis
M86059	Acute hematogenous osteomyelitis, unspecified femur	ICD-10-CM	Diagnosis
M86061	Acute hematogenous osteomyelitis, right tibia and fibula	ICD-10-CM	Diagnosis
M86062	Acute hematogenous osteomyelitis, left tibia and fibula	ICD-10-CM	Diagnosis
M86069	Acute hematogenous osteomyelitis, unsp tibia and fibula	ICD-10-CM	Diagnosis
M86071	Acute hematogenous osteomyelitis, right ankle and foot	ICD-10-CM	Diagnosis
M86072	Acute hematogenous osteomyelitis, left ankle and foot	ICD-10-CM	Diagnosis
M86079	Acute hematogenous osteomyelitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M8608	Acute hematogenous osteomyelitis, other sites	ICD-10-CM	Diagnosis
M8609	Acute hematogenous osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M8610	Other acute osteomyelitis, unspecified site	ICD-10-CM	Diagnosis
M86111	Other acute osteomyelitis, right shoulder	ICD-10-CM	Diagnosis
M86112	Other acute osteomyelitis, left shoulder	ICD-10-CM	Diagnosis
M86119	Other acute osteomyelitis, unspecified shoulder	ICD-10-CM	Diagnosis
M86121	Other acute osteomyelitis, right humerus	ICD-10-CM	Diagnosis
M86122	Other acute osteomyelitis, left humerus	ICD-10-CM	Diagnosis
M86129	Other acute osteomyelitis, unspecified humerus	ICD-10-CM	Diagnosis
M86131	Other acute osteomyelitis, right radius and ulna	ICD-10-CM	Diagnosis
M86132	Other acute osteomyelitis, left radius and ulna	ICD-10-CM	Diagnosis
M86139	Other acute osteomyelitis, unspecified radius and ulna	ICD-10-CM	Diagnosis
M86141	Other acute osteomyelitis, right hand	ICD-10-CM	Diagnosis
M86142	Other acute osteomyelitis, left hand	ICD-10-CM	Diagnosis
M86149	Other acute osteomyelitis, unspecified hand	ICD-10-CM	Diagnosis
M86151	Other acute osteomyelitis, right femur	ICD-10-CM	Diagnosis
M86152	Other acute osteomyelitis, left femur	ICD-10-CM	Diagnosis
M86159	Other acute osteomyelitis, unspecified femur	ICD-10-CM	Diagnosis
M86161	Other acute osteomyelitis, right tibia and fibula	ICD-10-CM	Diagnosis
M86162	Other acute osteomyelitis, left tibia and fibula	ICD-10-CM	Diagnosis
M86169	Other acute osteomyelitis, unspecified tibia and fibula	ICD-10-CM	Diagnosis
M86171	Other acute osteomyelitis, right ankle and foot	ICD-10-CM	Diagnosis
M86172	Other acute osteomyelitis, left ankle and foot	ICD-10-CM	Diagnosis

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Diagnoses of Interest

Code	Description	Code Type	Code Category
M86179	Other acute osteomyelitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M8618	Other acute osteomyelitis, other site	ICD-10-CM	Diagnosis
M8619	Other acute osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M8620	Subacute osteomyelitis, unspecified site	ICD-10-CM	Diagnosis
M86211	Subacute osteomyelitis, right shoulder	ICD-10-CM	Diagnosis
M86212	Subacute osteomyelitis, left shoulder	ICD-10-CM	Diagnosis
M86219	Subacute osteomyelitis, unspecified shoulder	ICD-10-CM	Diagnosis
M86221	Subacute osteomyelitis, right humerus	ICD-10-CM	Diagnosis
M86222	Subacute osteomyelitis, left humerus	ICD-10-CM	Diagnosis
M86229	Subacute osteomyelitis, unspecified humerus	ICD-10-CM	Diagnosis
M86231	Subacute osteomyelitis, right radius and ulna	ICD-10-CM	Diagnosis
M86232	Subacute osteomyelitis, left radius and ulna	ICD-10-CM	Diagnosis
M86239	Subacute osteomyelitis, unspecified radius and ulna	ICD-10-CM	Diagnosis
M86241	Subacute osteomyelitis, right hand	ICD-10-CM	Diagnosis
M86242	Subacute osteomyelitis, left hand	ICD-10-CM	Diagnosis
M86249	Subacute osteomyelitis, unspecified hand	ICD-10-CM	Diagnosis
M86251	Subacute osteomyelitis, right femur	ICD-10-CM	Diagnosis
M86252	Subacute osteomyelitis, left femur	ICD-10-CM	Diagnosis
M86259	Subacute osteomyelitis, unspecified femur	ICD-10-CM	Diagnosis
M86261	Subacute osteomyelitis, right tibia and fibula	ICD-10-CM	Diagnosis
M86262	Subacute osteomyelitis, left tibia and fibula	ICD-10-CM	Diagnosis
M86269	Subacute osteomyelitis, unspecified tibia and fibula	ICD-10-CM	Diagnosis
M86271	Subacute osteomyelitis, right ankle and foot	ICD-10-CM	Diagnosis
M86272	Subacute osteomyelitis, left ankle and foot	ICD-10-CM	Diagnosis
M86279	Subacute osteomyelitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M8628	Subacute osteomyelitis, other site	ICD-10-CM	Diagnosis
M8629	Subacute osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M868X0	Other osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M868X1	Other osteomyelitis, shoulder	ICD-10-CM	Diagnosis
M868X2	Other osteomyelitis, upper arm	ICD-10-CM	Diagnosis
M868X3	Other osteomyelitis, forearm	ICD-10-CM	Diagnosis
M868X4	Other osteomyelitis, hand	ICD-10-CM	Diagnosis
M868X5	Other osteomyelitis, thigh	ICD-10-CM	Diagnosis
M868X6	Other osteomyelitis, lower leg	ICD-10-CM	Diagnosis
M868X7	Other osteomyelitis, ankle and foot	ICD-10-CM	Diagnosis
M868X8	Other osteomyelitis, other site	ICD-10-CM	Diagnosis
M868X9	Other osteomyelitis, unspecified sites	ICD-10-CM	Diagnosis
M869	Osteomyelitis, unspecified	ICD-10-CM	Diagnosis
Bacteremia			
A021	Salmonella sepsis	ICD-10-CM	Diagnosis
A327	Listerial sepsis	ICD-10-CM	Diagnosis
A3282	Listerial endocarditis	ICD-10-CM	Diagnosis
A392	Acute meningococcemia	ICD-10-CM	Diagnosis
A394	Meningococcemia, unspecified	ICD-10-CM	Diagnosis
A3951	Meningococcal endocarditis	ICD-10-CM	Diagnosis
A400	Sepsis due to streptococcus, group A	ICD-10-CM	Diagnosis
A401	Sepsis due to streptococcus, group B	ICD-10-CM	Diagnosis
A403	Sepsis due to Streptococcus pneumoniae	ICD-10-CM	Diagnosis
A408	Other streptococcal sepsis	ICD-10-CM	Diagnosis
A409	Streptococcal sepsis, unspecified	ICD-10-CM	Diagnosis

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Diagnoses of Interest

Code	Description	Code Type	Code Category
A4101	Sepsis due to Methicillin susceptible Staphylococcus aureus	ICD-10-CM	Diagnosis
A4102	Sepsis due to Methicillin resistant Staphylococcus aureus	ICD-10-CM	Diagnosis
A411	Sepsis due to other specified staphylococcus	ICD-10-CM	Diagnosis
A412	Sepsis due to unspecified staphylococcus	ICD-10-CM	Diagnosis
A413	Sepsis due to Hemophilus influenzae	ICD-10-CM	Diagnosis
A414	Sepsis due to anaerobes	ICD-10-CM	Diagnosis
A4150	Gram-negative sepsis, unspecified	ICD-10-CM	Diagnosis
A4151	Sepsis due to Escherichia coli [E. coli]	ICD-10-CM	Diagnosis
A4152	Sepsis due to Pseudomonas	ICD-10-CM	Diagnosis
A4153	Sepsis due to Serratia	ICD-10-CM	Diagnosis
A4159	Other Gram-negative sepsis	ICD-10-CM	Diagnosis
A4181	Sepsis due to Enterococcus	ICD-10-CM	Diagnosis
A4189	Other specified sepsis	ICD-10-CM	Diagnosis
A419	Sepsis, unspecified organism	ICD-10-CM	Diagnosis
A427	Actinomycotic sepsis	ICD-10-CM	Diagnosis
A5486	Gonococcal sepsis	ICD-10-CM	Diagnosis
B3321	Viral endocarditis	ICD-10-CM	Diagnosis
B376	Candidal endocarditis	ICD-10-CM	Diagnosis
B377	Candidal sepsis	ICD-10-CM	Diagnosis
I330	Acute and subacute infective endocarditis	ICD-10-CM	Diagnosis
I76	Septic arterial embolism	ICD-10-CM	Diagnosis
R6520	Severe sepsis without septic shock	ICD-10-CM	Diagnosis
R6521	Severe sepsis with septic shock	ICD-10-CM	Diagnosis
R7881	Bacteremia	ICD-10-CM	Diagnosis

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Diagnoses of Interest

Code	Description	Code Type	Code Category
	Pneumonia		
A0103	Typhoid pneumonia	ICD-10-CM	Diagnosis
A0222	Salmonella pneumonia	ICD-10-CM	Diagnosis
A202	Pneumonic plague	ICD-10-CM	Diagnosis
A212	Pulmonary tularemia	ICD-10-CM	Diagnosis
A310	Pulmonary mycobacterial infection	ICD-10-CM	Diagnosis
A3701	Whooping cough due to Bordetella pertussis with pneumonia	ICD-10-CM	Diagnosis
A3711	Whooping cough due to Bordetella parapertussis w pneumonia	ICD-10-CM	Diagnosis
A3781	Whooping cough due to oth Bordetella species with pneumonia	ICD-10-CM	Diagnosis
A3791	Whooping cough, unspecified species with pneumonia	ICD-10-CM	Diagnosis
A430	Pulmonary nocardiosis	ICD-10-CM	Diagnosis
A481	Legionnaires' disease	ICD-10-CM	Diagnosis
B012	Varicella pneumonia	ICD-10-CM	Diagnosis
B052	Measles complicated by pneumonia	ICD-10-CM	Diagnosis
B0681	Rubella pneumonia	ICD-10-CM	Diagnosis
B250	Cytomegaloviral pneumonitis	ICD-10-CM	Diagnosis
B371	Pulmonary candidiasis	ICD-10-CM	Diagnosis
B380	Acute pulmonary coccidioidomycosis	ICD-10-CM	Diagnosis
B382	Pulmonary coccidioidomycosis, unspecified	ICD-10-CM	Diagnosis
B390	Acute pulmonary histoplasmosis capsulati	ICD-10-CM	Diagnosis
B392	Pulmonary histoplasmosis capsulati, unspecified	ICD-10-CM	Diagnosis
B583	Pulmonary toxoplasmosis	ICD-10-CM	Diagnosis
B59	Pneumocystosis	ICD-10-CM	Diagnosis
B7781	Ascariasis pneumonia	ICD-10-CM	Diagnosis
J1000	Flu due to oth ident flu virus w unsp type of pneumonia	ICD-10-CM	Diagnosis
J1008	Influenza due to oth ident influenza virus w oth pneumonia	ICD-10-CM	Diagnosis
J1100	Flu due to unidentified flu virus w unsp type of pneumonia	ICD-10-CM	Diagnosis
J1108	Flu due to unidentified flu virus w specified pneumonia	ICD-10-CM	Diagnosis
J120	Adenoviral pneumonia	ICD-10-CM	Diagnosis
J121	Respiratory syncytial virus pneumonia	ICD-10-CM	Diagnosis
J122	Parainfluenza virus pneumonia	ICD-10-CM	Diagnosis
J123	Human metapneumovirus pneumonia	ICD-10-CM	Diagnosis
J1281	Pneumonia due to SARS-associated coronavirus	ICD-10-CM	Diagnosis
J1289	Other viral pneumonia	ICD-10-CM	Diagnosis
J129	Viral pneumonia, unspecified	ICD-10-CM	Diagnosis
J13	Pneumonia due to Streptococcus pneumoniae	ICD-10-CM	Diagnosis
J14	Pneumonia due to Hemophilus influenzae	ICD-10-CM	Diagnosis
J150	Pneumonia due to Klebsiella pneumoniae	ICD-10-CM	Diagnosis
J151	Pneumonia due to Pseudomonas	ICD-10-CM	Diagnosis
J1520	Pneumonia due to staphylococcus, unspecified	ICD-10-CM	Diagnosis
J15211	Pneumonia due to methicillin suscep staph	ICD-10-CM	Diagnosis
J15212	Pneumonia due to Methicillin resistant Staphylococcus aureus	ICD-10-CM	Diagnosis
J1529	Pneumonia due to other staphylococcus	ICD-10-CM	Diagnosis
J153	Pneumonia due to streptococcus, group B	ICD-10-CM	Diagnosis
J154	Pneumonia due to other streptococci	ICD-10-CM	Diagnosis
J155	Pneumonia due to Escherichia coli	ICD-10-CM	Diagnosis
J156	Pneumonia due to other aerobic Gram-negative bacteria	ICD-10-CM	Diagnosis
J157	Pneumonia due to Mycoplasma pneumoniae	ICD-10-CM	Diagnosis
J158	Pneumonia due to other specified bacteria	ICD-10-CM	Diagnosis
J159	Unspecified bacterial pneumonia	ICD-10-CM	Diagnosis

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Diagnoses of Interest

Code	Description	Code Type	Code Category
J160	Chlamydial pneumonia	ICD-10-CM	Diagnosis
J168	Pneumonia due to other specified infectious organisms	ICD-10-CM	Diagnosis
J17	Pneumonia in diseases classified elsewhere	ICD-10-CM	Diagnosis
J180	Bronchopneumonia, unspecified organism	ICD-10-CM	Diagnosis
J181	Lobar pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J188	Other pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J189	Pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J851	Abscess of lung with pneumonia	ICD-10-CM	Diagnosis
Pyelonephritis			
N10	Acute pyelonephritis	ICD-10-CM	Diagnosis
N16	Renal tubulo-interstitial disorders in diseases classified elsewhe	ICD-10-CM	Diagnosis
Serious Gastrointestinal (GI) Infection			
A048	Other specified bacterial intestinal infections	ICD-10-CM	Diagnosis
A049	Bacterial intestinal infection, unspecified	ICD-10-CM	Diagnosis
A7481	Chlamydial peritonitis	ICD-10-CM	Diagnosis
D733	Abscess of spleen	ICD-10-CM	Diagnosis
K352	Acute appendicitis with generalized peritonitis	ICD-10-CM	Diagnosis
K353	Acute appendicitis with localized peritonitis	ICD-10-CM	Diagnosis
K3580	Unspecified acute appendicitis	ICD-10-CM	Diagnosis
K3589	Other acute appendicitis	ICD-10-CM	Diagnosis
K36	Other appendicitis	ICD-10-CM	Diagnosis
K37	Unspecified appendicitis	ICD-10-CM	Diagnosis
K389	Disease of appendix, unspecified	ICD-10-CM	Diagnosis
K5530	Necrotizing enterocolitis, unspecified	ICD-10-CM	Diagnosis
K5531	Stage 1 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K5532	Stage 2 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K5533	Stage 3 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K5700	Dvtrcli of sm int w perforation and abscess w/o bleeding	ICD-10-CM	Diagnosis
K5701	Dvtrcli of sm int w perforation and abscess w bleeding	ICD-10-CM	Diagnosis
K5712	Dvtrcli of sm int w/o perforation or abscess w/o bleeding	ICD-10-CM	Diagnosis
K5713	Dvtrcli of sm int w/o perforation or abscess w bleeding	ICD-10-CM	Diagnosis
K5720	Dvtrcli of lg int w perforation and abscess w/o bleeding	ICD-10-CM	Diagnosis
K5721	Dvtrcli of lg int w perforation and abscess w bleeding	ICD-10-CM	Diagnosis
K5732	Dvtrcli of lg int w/o perforation or abscess w/o bleeding	ICD-10-CM	Diagnosis
K5733	Dvtrcli of lg int w/o perforation or abscess w bleeding	ICD-10-CM	Diagnosis
K5740	Dvtrcli of both small and lg int w perf and abscs w/o bleed	ICD-10-CM	Diagnosis
K5741	Dvtrcli of both small and lg int w perf and abscess w bleed	ICD-10-CM	Diagnosis
K5752	Dvtrcli of both small and lg int w/o perf or abscs w/o bleed	ICD-10-CM	Diagnosis
K5753	Dvtrcli of both small and lg int w/o perf or abscess w bleed	ICD-10-CM	Diagnosis
K5780	Dvtrcli of intest, part unsp, w perf and abscess w/o bleed	ICD-10-CM	Diagnosis
K5781	Dvtrcli of intest, part unsp, w perf and abscess w bleeding	ICD-10-CM	Diagnosis
K5792	Dvtrcli of intest, part unsp, w/o perf or abscess w/o bleed	ICD-10-CM	Diagnosis
K5793	Dvtrcli of intest, part unsp, w/o perf or abscess w bleeding	ICD-10-CM	Diagnosis
K630	Abscess of intestine	ICD-10-CM	Diagnosis
K650	Generalized (acute) peritonitis	ICD-10-CM	Diagnosis
K651	Peritoneal abscess	ICD-10-CM	Diagnosis
K652	Spontaneous bacterial peritonitis	ICD-10-CM	Diagnosis
K653	Choleperitonitis	ICD-10-CM	Diagnosis
K658	Other peritonitis	ICD-10-CM	Diagnosis
K659	Peritonitis, unspecified	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
K6819	Other retroperitoneal abscess	ICD-10-CM	Diagnosis
K750	Abscess of liver	ICD-10-CM	Diagnosis
K810	Acute cholecystitis	ICD-10-CM	Diagnosis
K812	Acute cholecystitis with chronic cholecystitis	ICD-10-CM	Diagnosis
K819	Cholecystitis, unspecified	ICD-10-CM	Diagnosis
K850	Idiopathic acute pancreatitis	ICD-10-CM	Diagnosis
K8500	Idiopathic acute pancreatitis without necrosis or infection	ICD-10-CM	Diagnosis
K8501	Idiopathic acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8502	Idiopathic acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K851	Biliary acute pancreatitis	ICD-10-CM	Diagnosis
K8510	Biliary acute pancreatitis without necrosis or infection	ICD-10-CM	Diagnosis
K8511	Biliary acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8512	Biliary acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K853	Drug induced acute pancreatitis	ICD-10-CM	Diagnosis
K8530	Drug induced acute pancreatitis without necrosis or infct	ICD-10-CM	Diagnosis
K8531	Drug induced acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8532	Drug induced acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K858	Other acute pancreatitis	ICD-10-CM	Diagnosis
K8580	Other acute pancreatitis without necrosis or infection	ICD-10-CM	Diagnosis
K8581	Other acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8582	Other acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K859	Acute pancreatitis, unspecified	ICD-10-CM	Diagnosis
K8590	Acute pancreatitis without necrosis or infection, unsp	ICD-10-CM	Diagnosis
K8591	Acute pancreatitis with uninfected necrosis, unspecified	ICD-10-CM	Diagnosis
K8592	Acute pancreatitis with infected necrosis, unspecified	ICD-10-CM	Diagnosis
Skin/Soft Tissue Infection			
A311	Cutaneous mycobacterial infection	ICD-10-CM	Diagnosis
A363	Cutaneous diphtheria	ICD-10-CM	Diagnosis
A431	Cutaneous nocardiosis	ICD-10-CM	Diagnosis
A46	Erysipelas	ICD-10-CM	Diagnosis
A480	Gas gangrene	ICD-10-CM	Diagnosis
H00031	Abscess of right upper eyelid	ICD-10-CM	Diagnosis
H00032	Abscess of right lower eyelid	ICD-10-CM	Diagnosis
H00033	Abscess of eyelid right eye, unspecified eyelid	ICD-10-CM	Diagnosis
H00034	Abscess of left upper eyelid	ICD-10-CM	Diagnosis
H00035	Abscess of left lower eyelid	ICD-10-CM	Diagnosis
H00036	Abscess of eyelid left eye, unspecified eyelid	ICD-10-CM	Diagnosis
H00039	Abscess of eyelid unspecified eye, unspecified eyelid	ICD-10-CM	Diagnosis
H05011	Cellulitis of right orbit	ICD-10-CM	Diagnosis
H05012	Cellulitis of left orbit	ICD-10-CM	Diagnosis
H05013	Cellulitis of bilateral orbits	ICD-10-CM	Diagnosis
H05019	Cellulitis of unspecified orbit	ICD-10-CM	Diagnosis
H6000	Abscess of external ear, unspecified ear	ICD-10-CM	Diagnosis
H6001	Abscess of right external ear	ICD-10-CM	Diagnosis
H6002	Abscess of left external ear	ICD-10-CM	Diagnosis
H6003	Abscess of external ear, bilateral	ICD-10-CM	Diagnosis
H6010	Cellulitis of external ear, unspecified ear	ICD-10-CM	Diagnosis
H6011	Cellulitis of right external ear	ICD-10-CM	Diagnosis
H6012	Cellulitis of left external ear	ICD-10-CM	Diagnosis
H6013	Cellulitis of external ear, bilateral	ICD-10-CM	Diagnosis

Appendix B. List of International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM) Diagnosis Codes Used to Define Diagnoses of Interest

Code	Description	Code Type	Code Category
I70261	Athscl native arteries of extremities w gangrene, right leg	ICD-10-CM	Diagnosis
I70262	Athscl native arteries of extremities w gangrene, left leg	ICD-10-CM	Diagnosis
I70263	Athscl native arteries of extrm w gangrene, bilateral legs	ICD-10-CM	Diagnosis
I70268	Athscl native arteries of extrm w gangrene, oth extremity	ICD-10-CM	Diagnosis
I70269	Athscl native arteries of extrm w gangrene, unsp extremity	ICD-10-CM	Diagnosis
I7301	Raynaud's syndrome with gangrene	ICD-10-CM	Diagnosis
I96	Gangrene, not elsewhere classified	ICD-10-CM	Diagnosis
J340	Abscess, furuncle and carbuncle of nose	ICD-10-CM	Diagnosis
J850	Gangrene and necrosis of lung	ICD-10-CM	Diagnosis
K122	Cellulitis and abscess of mouth	ICD-10-CM	Diagnosis
K122	Cellulitis and abscess of mouth	ICD-10-CM	Diagnosis
K610	Anal abscess	ICD-10-CM	Diagnosis
K611	Rectal abscess	ICD-10-CM	Diagnosis
K612	Anorectal abscess	ICD-10-CM	Diagnosis
K613	Ischiorectal abscess	ICD-10-CM	Diagnosis
L0100	Impetigo, unspecified	ICD-10-CM	Diagnosis
L0101	Non-bullous impetigo	ICD-10-CM	Diagnosis
L0102	Bockhart's impetigo	ICD-10-CM	Diagnosis
L0103	Bullous impetigo	ICD-10-CM	Diagnosis
L0109	Other impetigo	ICD-10-CM	Diagnosis
L011	Impetiginization of other dermatoses	ICD-10-CM	Diagnosis
L0201	Cutaneous abscess of face	ICD-10-CM	Diagnosis
L0202	Furuncle of face	ICD-10-CM	Diagnosis
L0203	Carbuncle of face	ICD-10-CM	Diagnosis
L0211	Cutaneous abscess of neck	ICD-10-CM	Diagnosis
L0212	Furuncle of neck	ICD-10-CM	Diagnosis
L0213	Carbuncle of neck	ICD-10-CM	Diagnosis
L02211	Cutaneous abscess of abdominal wall	ICD-10-CM	Diagnosis
L02212	Cutaneous abscess of back [any part, except buttock]	ICD-10-CM	Diagnosis
L02213	Cutaneous abscess of chest wall	ICD-10-CM	Diagnosis
L02214	Cutaneous abscess of groin	ICD-10-CM	Diagnosis
L02215	Cutaneous abscess of perineum	ICD-10-CM	Diagnosis
L02216	Cutaneous abscess of umbilicus	ICD-10-CM	Diagnosis
L02219	Cutaneous abscess of trunk, unspecified	ICD-10-CM	Diagnosis
L02221	Furuncle of abdominal wall	ICD-10-CM	Diagnosis
L02222	Furuncle of back [any part, except buttock]	ICD-10-CM	Diagnosis
L02223	Furuncle of chest wall	ICD-10-CM	Diagnosis
L02224	Furuncle of groin	ICD-10-CM	Diagnosis
L02225	Furuncle of perineum	ICD-10-CM	Diagnosis
L02226	Furuncle of umbilicus	ICD-10-CM	Diagnosis
L02229	Furuncle of trunk, unspecified	ICD-10-CM	Diagnosis
L02231	Carbuncle of abdominal wall	ICD-10-CM	Diagnosis
L02232	Carbuncle of back [any part, except buttock]	ICD-10-CM	Diagnosis
L02233	Carbuncle of chest wall	ICD-10-CM	Diagnosis
L02234	Carbuncle of groin	ICD-10-CM	Diagnosis
L02235	Carbuncle of perineum	ICD-10-CM	Diagnosis
L02236	Carbuncle of umbilicus	ICD-10-CM	Diagnosis
L02239	Carbuncle of trunk, unspecified	ICD-10-CM	Diagnosis
L0231	Cutaneous abscess of buttock	ICD-10-CM	Diagnosis
L0232	Furuncle of buttock	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
L0233	Carbuncle of buttock	ICD-10-CM	Diagnosis
L02411	Cutaneous abscess of right axilla	ICD-10-CM	Diagnosis
L02412	Cutaneous abscess of left axilla	ICD-10-CM	Diagnosis
L02413	Cutaneous abscess of right upper limb	ICD-10-CM	Diagnosis
L02414	Cutaneous abscess of left upper limb	ICD-10-CM	Diagnosis
L02415	Cutaneous abscess of right lower limb	ICD-10-CM	Diagnosis
L02416	Cutaneous abscess of left lower limb	ICD-10-CM	Diagnosis
L02419	Cutaneous abscess of limb, unspecified	ICD-10-CM	Diagnosis
L02421	Furuncle of right axilla	ICD-10-CM	Diagnosis
L02422	Furuncle of left axilla	ICD-10-CM	Diagnosis
L02423	Furuncle of right upper limb	ICD-10-CM	Diagnosis
L02424	Furuncle of left upper limb	ICD-10-CM	Diagnosis
L02425	Furuncle of right lower limb	ICD-10-CM	Diagnosis
L02426	Furuncle of left lower limb	ICD-10-CM	Diagnosis
L02429	Furuncle of limb, unspecified	ICD-10-CM	Diagnosis
L02431	Carbuncle of right axilla	ICD-10-CM	Diagnosis
L02432	Carbuncle of left axilla	ICD-10-CM	Diagnosis
L02433	Carbuncle of right upper limb	ICD-10-CM	Diagnosis
L02434	Carbuncle of left upper limb	ICD-10-CM	Diagnosis
L02435	Carbuncle of right lower limb	ICD-10-CM	Diagnosis
L02436	Carbuncle of left lower limb	ICD-10-CM	Diagnosis
L02439	Carbuncle of limb, unspecified	ICD-10-CM	Diagnosis
L02511	Cutaneous abscess of right hand	ICD-10-CM	Diagnosis
L02512	Cutaneous abscess of left hand	ICD-10-CM	Diagnosis
L02519	Cutaneous abscess of unspecified hand	ICD-10-CM	Diagnosis
L02521	Furuncle right hand	ICD-10-CM	Diagnosis
L02522	Furuncle left hand	ICD-10-CM	Diagnosis
L02529	Furuncle unspecified hand	ICD-10-CM	Diagnosis
L02531	Carbuncle of right hand	ICD-10-CM	Diagnosis
L02532	Carbuncle of left hand	ICD-10-CM	Diagnosis
L02539	Carbuncle of unspecified hand	ICD-10-CM	Diagnosis
L02611	Cutaneous abscess of right foot	ICD-10-CM	Diagnosis
L02612	Cutaneous abscess of left foot	ICD-10-CM	Diagnosis
L02619	Cutaneous abscess of unspecified foot	ICD-10-CM	Diagnosis
L02621	Furuncle of right foot	ICD-10-CM	Diagnosis
L02622	Furuncle of left foot	ICD-10-CM	Diagnosis
L02629	Furuncle of unspecified foot	ICD-10-CM	Diagnosis
L02631	Carbuncle of right foot	ICD-10-CM	Diagnosis
L02632	Carbuncle of left foot	ICD-10-CM	Diagnosis
L02639	Carbuncle of unspecified foot	ICD-10-CM	Diagnosis
L02811	Cutaneous abscess of head [any part, except face]	ICD-10-CM	Diagnosis
L02818	Cutaneous abscess of other sites	ICD-10-CM	Diagnosis
L02821	Furuncle of head [any part, except face]	ICD-10-CM	Diagnosis
L02828	Furuncle of other sites	ICD-10-CM	Diagnosis
L02831	Carbuncle of head [any part, except face]	ICD-10-CM	Diagnosis
L02838	Carbuncle of other sites	ICD-10-CM	Diagnosis
L0291	Cutaneous abscess, unspecified	ICD-10-CM	Diagnosis
L0292	Furuncle, unspecified	ICD-10-CM	Diagnosis
L0293	Carbuncle, unspecified	ICD-10-CM	Diagnosis
L03011	Cellulitis of right finger	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
L03012	Cellulitis of left finger	ICD-10-CM	Diagnosis
L03019	Cellulitis of unspecified finger	ICD-10-CM	Diagnosis
L03031	Cellulitis of right toe	ICD-10-CM	Diagnosis
L03032	Cellulitis of left toe	ICD-10-CM	Diagnosis
L03039	Cellulitis of unspecified toe	ICD-10-CM	Diagnosis
L03111	Cellulitis of right axilla	ICD-10-CM	Diagnosis
L03112	Cellulitis of left axilla	ICD-10-CM	Diagnosis
L03113	Cellulitis of right upper limb	ICD-10-CM	Diagnosis
L03114	Cellulitis of left upper limb	ICD-10-CM	Diagnosis
L03115	Cellulitis of right lower limb	ICD-10-CM	Diagnosis
L03116	Cellulitis of left lower limb	ICD-10-CM	Diagnosis
L03119	Cellulitis of unspecified part of limb	ICD-10-CM	Diagnosis
L03211	Cellulitis of face	ICD-10-CM	Diagnosis
L03213	Periorbital cellulitis	ICD-10-CM	Diagnosis
L03221	Cellulitis of neck	ICD-10-CM	Diagnosis
L03311	Cellulitis of abdominal wall	ICD-10-CM	Diagnosis
L03312	Cellulitis of back [any part except buttock]	ICD-10-CM	Diagnosis
L03313	Cellulitis of chest wall	ICD-10-CM	Diagnosis
L03314	Cellulitis of groin	ICD-10-CM	Diagnosis
L03315	Cellulitis of perineum	ICD-10-CM	Diagnosis
L03316	Cellulitis of umbilicus	ICD-10-CM	Diagnosis
L03317	Cellulitis of buttock	ICD-10-CM	Diagnosis
L03319	Cellulitis of trunk, unspecified	ICD-10-CM	Diagnosis
L03811	Cellulitis of head [any part, except face]	ICD-10-CM	Diagnosis
L03818	Cellulitis of other sites	ICD-10-CM	Diagnosis
L0390	Cellulitis, unspecified	ICD-10-CM	Diagnosis
L0501	Pilonidal cyst with abscess	ICD-10-CM	Diagnosis
L0502	Pilonidal sinus with abscess	ICD-10-CM	Diagnosis
L0591	Pilonidal cyst without abscess	ICD-10-CM	Diagnosis
L0592	Pilonidal sinus without abscess	ICD-10-CM	Diagnosis
L0889	Oth local infections of the skin and subcutaneous tissue	ICD-10-CM	Diagnosis
L089	Local infection of the skin and subcutaneous tissue, unsp	ICD-10-CM	Diagnosis
M726	Necrotizing fasciitis	ICD-10-CM	Diagnosis
N4821	Abscess of corpus cavernosum and penis	ICD-10-CM	Diagnosis
N4822	Cellulitis of corpus cavernosum and penis	ICD-10-CM	Diagnosis
N611	Abscess of the breast and nipple	ICD-10-CM	Diagnosis
N730	Acute parametritis and pelvic cellulitis	ICD-10-CM	Diagnosis
N732	Unspecified parametritis and pelvic cellulitis	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
Serious and Non-Serious Infections			
A000	Cholera due to Vibrio cholerae 01, biovar cholerae	ICD-10-CM	Diagnosis
A001	Cholera due to Vibrio cholerae 01, biovar eltor	ICD-10-CM	Diagnosis
A009	Cholera, unspecified	ICD-10-CM	Diagnosis
A0100	Typhoid fever, unspecified	ICD-10-CM	Diagnosis
A0101	Typhoid meningitis	ICD-10-CM	Diagnosis
A0102	Typhoid fever with heart involvement	ICD-10-CM	Diagnosis
A0103	Typhoid pneumonia	ICD-10-CM	Diagnosis
A0104	Typhoid arthritis	ICD-10-CM	Diagnosis
A0105	Typhoid osteomyelitis	ICD-10-CM	Diagnosis
A0109	Typhoid fever with other complications	ICD-10-CM	Diagnosis
A011	Paratyphoid fever A	ICD-10-CM	Diagnosis
A012	Paratyphoid fever B	ICD-10-CM	Diagnosis
A013	Paratyphoid fever C	ICD-10-CM	Diagnosis
A014	Paratyphoid fever, unspecified	ICD-10-CM	Diagnosis
A020	Salmonella enteritis	ICD-10-CM	Diagnosis
A021	Salmonella sepsis	ICD-10-CM	Diagnosis
A0220	Localized salmonella infection, unspecified	ICD-10-CM	Diagnosis
A0221	Salmonella meningitis	ICD-10-CM	Diagnosis
A0222	Salmonella pneumonia	ICD-10-CM	Diagnosis
A0223	Salmonella arthritis	ICD-10-CM	Diagnosis
A0224	Salmonella osteomyelitis	ICD-10-CM	Diagnosis
A0225	Salmonella pyelonephritis	ICD-10-CM	Diagnosis
A0229	Salmonella with other localized infection	ICD-10-CM	Diagnosis
A028	Other specified salmonella infections	ICD-10-CM	Diagnosis
A029	Salmonella infection, unspecified	ICD-10-CM	Diagnosis
A030	Shigellosis due to Shigella dysenteriae	ICD-10-CM	Diagnosis
A031	Shigellosis due to Shigella flexneri	ICD-10-CM	Diagnosis
A032	Shigellosis due to Shigella boydii	ICD-10-CM	Diagnosis
A033	Shigellosis due to Shigella sonnei	ICD-10-CM	Diagnosis
A038	Other shigellosis	ICD-10-CM	Diagnosis
A039	Shigellosis, unspecified	ICD-10-CM	Diagnosis
A04	Other bacterial intestinal infections	ICD-10-CM	Diagnosis
A040	Enteropathogenic Escherichia coli infection	ICD-10-CM	Diagnosis
A041	Enterotoxigenic Escherichia coli infection	ICD-10-CM	Diagnosis
A042	Enteroinvasive Escherichia coli infection	ICD-10-CM	Diagnosis
A043	Enterohemorrhagic Escherichia coli infection	ICD-10-CM	Diagnosis
A044	Other intestinal Escherichia coli infections	ICD-10-CM	Diagnosis
A045	Campylobacter enteritis	ICD-10-CM	Diagnosis
A046	Enteritis due to Yersinia enterocolitica	ICD-10-CM	Diagnosis
A047	Enterocolitis due to Clostridium difficile	ICD-10-CM	Diagnosis
A0471	Enterocolitis due to Clostridium difficile, recurrent	ICD-10-CM	Diagnosis
A0472	Enterocolitis d/t Clostridium difficile, not spcf as recur	ICD-10-CM	Diagnosis
A048	Other specified bacterial intestinal infections	ICD-10-CM	Diagnosis
A049	Bacterial intestinal infection, unspecified	ICD-10-CM	Diagnosis
A050	Foodborne staphylococcal intoxication	ICD-10-CM	Diagnosis
A051	Botulism food poisoning	ICD-10-CM	Diagnosis
A052	Foodborne Clostridium perfringens intoxication	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A053	Foodborne Vibrio parahaemolyticus intoxication	ICD-10-CM	Diagnosis
A054	Foodborne Bacillus cereus intoxication	ICD-10-CM	Diagnosis
A055	Foodborne Vibrio vulnificus intoxication	ICD-10-CM	Diagnosis
A058	Other specified bacterial foodborne intoxications	ICD-10-CM	Diagnosis
A059	Bacterial foodborne intoxication, unspecified	ICD-10-CM	Diagnosis
A060	Acute amebic dysentery	ICD-10-CM	Diagnosis
A061	Chronic intestinal amebiasis	ICD-10-CM	Diagnosis
A062	Amebic nondysenteric colitis	ICD-10-CM	Diagnosis
A063	Ameboma of intestine	ICD-10-CM	Diagnosis
A064	Amebic liver abscess	ICD-10-CM	Diagnosis
A065	Amebic lung abscess	ICD-10-CM	Diagnosis
A066	Amebic brain abscess	ICD-10-CM	Diagnosis
A067	Cutaneous amebiasis	ICD-10-CM	Diagnosis
A0681	Amebic cystitis	ICD-10-CM	Diagnosis
A0682	Other amebic genitourinary infections	ICD-10-CM	Diagnosis
A0689	Other amebic infections	ICD-10-CM	Diagnosis
A069	Amebiasis, unspecified	ICD-10-CM	Diagnosis
A070	Balantidiasis	ICD-10-CM	Diagnosis
A071	Giardiasis [lambliasis]	ICD-10-CM	Diagnosis
A072	Cryptosporidiosis	ICD-10-CM	Diagnosis
A073	Isosporiasis	ICD-10-CM	Diagnosis
A074	Cyclosporiasis	ICD-10-CM	Diagnosis
A078	Other specified protozoal intestinal diseases	ICD-10-CM	Diagnosis
A079	Protozoal intestinal disease, unspecified	ICD-10-CM	Diagnosis
A080	Rotaviral enteritis	ICD-10-CM	Diagnosis
A0811	Acute gastroenteropathy due to Norwalk agent	ICD-10-CM	Diagnosis
A0819	Acute gastroenteropathy due to other small round viruses	ICD-10-CM	Diagnosis
A082	Adenoviral enteritis	ICD-10-CM	Diagnosis
A0831	Calicivirus enteritis	ICD-10-CM	Diagnosis
A0832	Astrovirus enteritis	ICD-10-CM	Diagnosis
A0839	Other viral enteritis	ICD-10-CM	Diagnosis
A084	Viral intestinal infection, unspecified	ICD-10-CM	Diagnosis
A088	Other specified intestinal infections	ICD-10-CM	Diagnosis
A09	Infectious gastroenteritis and colitis, unspecified	ICD-10-CM	Diagnosis
A150	Tuberculosis of lung	ICD-10-CM	Diagnosis
A154	Tuberculosis of intrathoracic lymph nodes	ICD-10-CM	Diagnosis
A155	Tuberculosis of larynx, trachea and bronchus	ICD-10-CM	Diagnosis
A156	Tuberculous pleurisy	ICD-10-CM	Diagnosis
A157	Primary respiratory tuberculosis	ICD-10-CM	Diagnosis
A158	Other respiratory tuberculosis	ICD-10-CM	Diagnosis
A159	Respiratory tuberculosis unspecified	ICD-10-CM	Diagnosis
A170	Tuberculous meningitis	ICD-10-CM	Diagnosis
A171	Meningeal tuberculoma	ICD-10-CM	Diagnosis
A1781	Tuberculoma of brain and spinal cord	ICD-10-CM	Diagnosis
A1782	Tuberculous meningoencephalitis	ICD-10-CM	Diagnosis
A1783	Tuberculous neuritis	ICD-10-CM	Diagnosis
A1789	Other tuberculosis of nervous system	ICD-10-CM	Diagnosis
A179	Tuberculosis of nervous system, unspecified	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A1801	Tuberculosis of spine	ICD-10-CM	Diagnosis
A1802	Tuberculous arthritis of other joints	ICD-10-CM	Diagnosis
A1803	Tuberculosis of other bones	ICD-10-CM	Diagnosis
A1809	Other musculoskeletal tuberculosis	ICD-10-CM	Diagnosis
A1810	Tuberculosis of genitourinary system, unspecified	ICD-10-CM	Diagnosis
A1811	Tuberculosis of kidney and ureter	ICD-10-CM	Diagnosis
A1812	Tuberculosis of bladder	ICD-10-CM	Diagnosis
A1813	Tuberculosis of other urinary organs	ICD-10-CM	Diagnosis
A1814	Tuberculosis of prostate	ICD-10-CM	Diagnosis
A1815	Tuberculosis of other male genital organs	ICD-10-CM	Diagnosis
A1816	Tuberculosis of cervix	ICD-10-CM	Diagnosis
A1817	Tuberculous female pelvic inflammatory disease	ICD-10-CM	Diagnosis
A1818	Tuberculosis of other female genital organs	ICD-10-CM	Diagnosis
A182	Tuberculous peripheral lymphadenopathy	ICD-10-CM	Diagnosis
A1831	Tuberculous peritonitis	ICD-10-CM	Diagnosis
A1832	Tuberculous enteritis	ICD-10-CM	Diagnosis
A1839	Retroperitoneal tuberculosis	ICD-10-CM	Diagnosis
A184	Tuberculosis of skin and subcutaneous tissue	ICD-10-CM	Diagnosis
A1850	Tuberculosis of eye, unspecified	ICD-10-CM	Diagnosis
A1851	Tuberculous episcleritis	ICD-10-CM	Diagnosis
A1852	Tuberculous keratitis	ICD-10-CM	Diagnosis
A1853	Tuberculous chorioretinitis	ICD-10-CM	Diagnosis
A1854	Tuberculous iridocyclitis	ICD-10-CM	Diagnosis
A1859	Other tuberculosis of eye	ICD-10-CM	Diagnosis
A186	Tuberculosis of (inner) (middle) ear	ICD-10-CM	Diagnosis
A187	Tuberculosis of adrenal glands	ICD-10-CM	Diagnosis
A1881	Tuberculosis of thyroid gland	ICD-10-CM	Diagnosis
A1882	Tuberculosis of other endocrine glands	ICD-10-CM	Diagnosis
A1883	Tuberculosis of digestive tract organs, NEC	ICD-10-CM	Diagnosis
A1884	Tuberculosis of heart	ICD-10-CM	Diagnosis
A1885	Tuberculosis of spleen	ICD-10-CM	Diagnosis
A1889	Tuberculosis of other sites	ICD-10-CM	Diagnosis
A190	Acute miliary tuberculosis of a single specified site	ICD-10-CM	Diagnosis
A191	Acute miliary tuberculosis of multiple sites	ICD-10-CM	Diagnosis
A192	Acute miliary tuberculosis, unspecified	ICD-10-CM	Diagnosis
A198	Other miliary tuberculosis	ICD-10-CM	Diagnosis
A199	Miliary tuberculosis, unspecified	ICD-10-CM	Diagnosis
A200	Bubonic plague	ICD-10-CM	Diagnosis
A201	Cellulocutaneous plague	ICD-10-CM	Diagnosis
A202	Pneumonic plague	ICD-10-CM	Diagnosis
A203	Plague meningitis	ICD-10-CM	Diagnosis
A207	Septicemic plague	ICD-10-CM	Diagnosis
A208	Other forms of plague	ICD-10-CM	Diagnosis
A209	Plague, unspecified	ICD-10-CM	Diagnosis
A210	Ulceroglandular tularemia	ICD-10-CM	Diagnosis
A211	Oculoglandular tularemia	ICD-10-CM	Diagnosis
A212	Pulmonary tularemia	ICD-10-CM	Diagnosis
A213	Gastrointestinal tularemia	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A217	Generalized tularemia	ICD-10-CM	Diagnosis
A218	Other forms of tularemia	ICD-10-CM	Diagnosis
A219	Tularemia, unspecified	ICD-10-CM	Diagnosis
A220	Cutaneous anthrax	ICD-10-CM	Diagnosis
A221	Pulmonary anthrax	ICD-10-CM	Diagnosis
A222	Gastrointestinal anthrax	ICD-10-CM	Diagnosis
A227	Anthrax sepsis	ICD-10-CM	Diagnosis
A228	Other forms of anthrax	ICD-10-CM	Diagnosis
A229	Anthrax, unspecified	ICD-10-CM	Diagnosis
A230	Brucellosis due to Brucella melitensis	ICD-10-CM	Diagnosis
A231	Brucellosis due to Brucella abortus	ICD-10-CM	Diagnosis
A232	Brucellosis due to Brucella suis	ICD-10-CM	Diagnosis
A233	Brucellosis due to Brucella canis	ICD-10-CM	Diagnosis
A238	Other brucellosis	ICD-10-CM	Diagnosis
A239	Brucellosis, unspecified	ICD-10-CM	Diagnosis
A240	Glanders	ICD-10-CM	Diagnosis
A241	Acute and fulminating melioidosis	ICD-10-CM	Diagnosis
A242	Subacute and chronic melioidosis	ICD-10-CM	Diagnosis
A243	Other melioidosis	ICD-10-CM	Diagnosis
A249	Melioidosis, unspecified	ICD-10-CM	Diagnosis
A250	Spirillosis	ICD-10-CM	Diagnosis
A251	Streptobacillosis	ICD-10-CM	Diagnosis
A259	Rat-bite fever, unspecified	ICD-10-CM	Diagnosis
A260	Cutaneous erysipeloid	ICD-10-CM	Diagnosis
A267	Erysipelothrix sepsis	ICD-10-CM	Diagnosis
A268	Other forms of erysipeloid	ICD-10-CM	Diagnosis
A269	Erysipeloid, unspecified	ICD-10-CM	Diagnosis
A270	Leptospirosis icterohemorrhagica	ICD-10-CM	Diagnosis
A2781	Aseptic meningitis in leptospirosis	ICD-10-CM	Diagnosis
A2789	Other forms of leptospirosis	ICD-10-CM	Diagnosis
A279	Leptospirosis, unspecified	ICD-10-CM	Diagnosis
A280	Pasteurellosis	ICD-10-CM	Diagnosis
A281	Cat-scratch disease	ICD-10-CM	Diagnosis
A282	Extraintestinal yersiniosis	ICD-10-CM	Diagnosis
A288	Oth zoonotic bacterial diseases, not elsewhere classified	ICD-10-CM	Diagnosis
A289	Zoonotic bacterial disease, unspecified	ICD-10-CM	Diagnosis
A300	Indeterminate leprosy	ICD-10-CM	Diagnosis
A301	Tuberculoid leprosy	ICD-10-CM	Diagnosis
A302	Borderline tuberculoid leprosy	ICD-10-CM	Diagnosis
A303	Borderline leprosy	ICD-10-CM	Diagnosis
A304	Borderline lepromatous leprosy	ICD-10-CM	Diagnosis
A305	Lepromatous leprosy	ICD-10-CM	Diagnosis
A308	Other forms of leprosy	ICD-10-CM	Diagnosis
A309	Leprosy, unspecified	ICD-10-CM	Diagnosis
A310	Pulmonary mycobacterial infection	ICD-10-CM	Diagnosis
A311	Cutaneous mycobacterial infection	ICD-10-CM	Diagnosis
A312	Dissem mycobacterium avium-intracellulare complex (DMAC)	ICD-10-CM	Diagnosis
A318	Other mycobacterial infections	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A319	Mycobacterial infection, unspecified	ICD-10-CM	Diagnosis
A320	Cutaneous listeriosis	ICD-10-CM	Diagnosis
A3211	Listerial meningitis	ICD-10-CM	Diagnosis
A3212	Listerial meningoencephalitis	ICD-10-CM	Diagnosis
A327	Listerial sepsis	ICD-10-CM	Diagnosis
A3281	Oculoglandular listeriosis	ICD-10-CM	Diagnosis
A3282	Listerial endocarditis	ICD-10-CM	Diagnosis
A3289	Other forms of listeriosis	ICD-10-CM	Diagnosis
A329	Listeriosis, unspecified	ICD-10-CM	Diagnosis
A33	Tetanus neonatorum	ICD-10-CM	Diagnosis
A34	Obstetrical tetanus	ICD-10-CM	Diagnosis
A35	Other tetanus	ICD-10-CM	Diagnosis
A360	Pharyngeal diphtheria	ICD-10-CM	Diagnosis
A361	Nasopharyngeal diphtheria	ICD-10-CM	Diagnosis
A362	Laryngeal diphtheria	ICD-10-CM	Diagnosis
A363	Cutaneous diphtheria	ICD-10-CM	Diagnosis
A3681	Diphtheritic cardiomyopathy	ICD-10-CM	Diagnosis
A3682	Diphtheritic radiculomyelitis	ICD-10-CM	Diagnosis
A3683	Diphtheritic polyneuritis	ICD-10-CM	Diagnosis
A3684	Diphtheritic tubulo-interstitial nephropathy	ICD-10-CM	Diagnosis
A3685	Diphtheritic cystitis	ICD-10-CM	Diagnosis
A3686	Diphtheritic conjunctivitis	ICD-10-CM	Diagnosis
A3689	Other diphtheritic complications	ICD-10-CM	Diagnosis
A369	Diphtheria, unspecified	ICD-10-CM	Diagnosis
A3700	Whooping cough due to Bordetella pertussis without pneumonia	ICD-10-CM	Diagnosis
A3701	Whooping cough due to Bordetella pertussis with pneumonia	ICD-10-CM	Diagnosis
A3710	Whooping cough due to Bordetella parapertussis w/o pneumonia	ICD-10-CM	Diagnosis
A3711	Whooping cough due to Bordetella parapertussis w pneumonia	ICD-10-CM	Diagnosis
A3780	Whooping cough due to other Bordetella species w/o pneumonia	ICD-10-CM	Diagnosis
A3781	Whooping cough due to oth Bordetella species with pneumonia	ICD-10-CM	Diagnosis
A3790	Whooping cough, unspecified species without pneumonia	ICD-10-CM	Diagnosis
A3791	Whooping cough, unspecified species with pneumonia	ICD-10-CM	Diagnosis
A380	Scarlet fever with otitis media	ICD-10-CM	Diagnosis
A381	Scarlet fever with myocarditis	ICD-10-CM	Diagnosis
A388	Scarlet fever with other complications	ICD-10-CM	Diagnosis
A389	Scarlet fever, uncomplicated	ICD-10-CM	Diagnosis
A390	Meningococcal meningitis	ICD-10-CM	Diagnosis
A391	Waterhouse-Friderichsen syndrome	ICD-10-CM	Diagnosis
A392	Acute meningococcemia	ICD-10-CM	Diagnosis
A393	Chronic meningococcemia	ICD-10-CM	Diagnosis
A394	Meningococcemia, unspecified	ICD-10-CM	Diagnosis
A3950	Meningococcal carditis, unspecified	ICD-10-CM	Diagnosis
A3951	Meningococcal endocarditis	ICD-10-CM	Diagnosis
A3952	Meningococcal myocarditis	ICD-10-CM	Diagnosis
A3953	Meningococcal pericarditis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A3981	Meningococcal encephalitis	ICD-10-CM	Diagnosis
A3982	Meningococcal retrobulbar neuritis	ICD-10-CM	Diagnosis
A3983	Meningococcal arthritis	ICD-10-CM	Diagnosis
A3984	Postmeningococcal arthritis	ICD-10-CM	Diagnosis
A3989	Other meningococcal infections	ICD-10-CM	Diagnosis
A399	Meningococcal infection, unspecified	ICD-10-CM	Diagnosis
A400	Sepsis due to streptococcus, group A	ICD-10-CM	Diagnosis
A401	Sepsis due to streptococcus, group B	ICD-10-CM	Diagnosis
A403	Sepsis due to Streptococcus pneumoniae	ICD-10-CM	Diagnosis
A408	Other streptococcal sepsis	ICD-10-CM	Diagnosis
A409	Streptococcal sepsis, unspecified	ICD-10-CM	Diagnosis
A41	Other sepsis	ICD-10-CM	Diagnosis
A410	Sepsis due to Staphylococcus aureus	ICD-10-CM	Diagnosis
A4101	Sepsis due to Methicillin susceptible Staphylococcus aureus	ICD-10-CM	Diagnosis
A4102	Sepsis due to Methicillin resistant Staphylococcus aureus	ICD-10-CM	Diagnosis
A411	Sepsis due to other specified staphylococcus	ICD-10-CM	Diagnosis
A412	Sepsis due to unspecified staphylococcus	ICD-10-CM	Diagnosis
A413	Sepsis due to Hemophilus influenzae	ICD-10-CM	Diagnosis
A414	Sepsis due to anaerobes	ICD-10-CM	Diagnosis
A415	Sepsis due to other Gram-negative organisms	ICD-10-CM	Diagnosis
A4150	Gram-negative sepsis, unspecified	ICD-10-CM	Diagnosis
A4151	Sepsis due to Escherichia coli [E. coli]	ICD-10-CM	Diagnosis
A4152	Sepsis due to Pseudomonas	ICD-10-CM	Diagnosis
A4153	Sepsis due to Serratia	ICD-10-CM	Diagnosis
A4159	Other Gram-negative sepsis	ICD-10-CM	Diagnosis
A418	Other specified sepsis	ICD-10-CM	Diagnosis
A4181	Sepsis due to Enterococcus	ICD-10-CM	Diagnosis
A4189	Other specified sepsis	ICD-10-CM	Diagnosis
A419	Sepsis, unspecified organism	ICD-10-CM	Diagnosis
A420	Pulmonary actinomycosis	ICD-10-CM	Diagnosis
A421	Abdominal actinomycosis	ICD-10-CM	Diagnosis
A422	Cervicofacial actinomycosis	ICD-10-CM	Diagnosis
A427	Actinomycotic sepsis	ICD-10-CM	Diagnosis
A4281	Actinomycotic meningitis	ICD-10-CM	Diagnosis
A4282	Actinomycotic encephalitis	ICD-10-CM	Diagnosis
A4289	Other forms of actinomycosis	ICD-10-CM	Diagnosis
A429	Actinomycosis, unspecified	ICD-10-CM	Diagnosis
A430	Pulmonary nocardiosis	ICD-10-CM	Diagnosis
A431	Cutaneous nocardiosis	ICD-10-CM	Diagnosis
A438	Other forms of nocardiosis	ICD-10-CM	Diagnosis
A439	Nocardiosis, unspecified	ICD-10-CM	Diagnosis
A440	Systemic bartonellosis	ICD-10-CM	Diagnosis
A441	Cutaneous and mucocutaneous bartonellosis	ICD-10-CM	Diagnosis
A448	Other forms of bartonellosis	ICD-10-CM	Diagnosis
A449	Bartonellosis, unspecified	ICD-10-CM	Diagnosis
A46	Erysipelas	ICD-10-CM	Diagnosis
A480	Gas gangrene	ICD-10-CM	Diagnosis
A481	Legionnaires' disease	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A482	Nonpneumonic Legionnaires' disease [Pontiac fever]	ICD-10-CM	Diagnosis
A483	Toxic shock syndrome	ICD-10-CM	Diagnosis
A484	Brazilian purpuric fever	ICD-10-CM	Diagnosis
A4851	Infant botulism	ICD-10-CM	Diagnosis
A4852	Wound botulism	ICD-10-CM	Diagnosis
A488	Other specified bacterial diseases	ICD-10-CM	Diagnosis
A4901	Methicillin suscep staph infection, unsp site	ICD-10-CM	Diagnosis
A4902	Methicillin resis staph infection, unsp site	ICD-10-CM	Diagnosis
A491	Streptococcal infection, unspecified site	ICD-10-CM	Diagnosis
A492	Hemophilus influenzae infection, unspecified site	ICD-10-CM	Diagnosis
A493	Mycoplasma infection, unspecified site	ICD-10-CM	Diagnosis
A498	Other bacterial infections of unspecified site	ICD-10-CM	Diagnosis
A499	Bacterial infection, unspecified	ICD-10-CM	Diagnosis
A5001	Early congenital syphilitic oculopathy	ICD-10-CM	Diagnosis
A5002	Early congenital syphilitic osteochondropathy	ICD-10-CM	Diagnosis
A5003	Early congenital syphilitic pharyngitis	ICD-10-CM	Diagnosis
A5004	Early congenital syphilitic pneumonia	ICD-10-CM	Diagnosis
A5005	Early congenital syphilitic rhinitis	ICD-10-CM	Diagnosis
A5006	Early cutaneous congenital syphilis	ICD-10-CM	Diagnosis
A5007	Early mucocutaneous congenital syphilis	ICD-10-CM	Diagnosis
A5008	Early visceral congenital syphilis	ICD-10-CM	Diagnosis
A5009	Other early congenital syphilis, symptomatic	ICD-10-CM	Diagnosis
A501	Early congenital syphilis, latent	ICD-10-CM	Diagnosis
A502	Early congenital syphilis, unspecified	ICD-10-CM	Diagnosis
A5030	Late congenital syphilitic oculopathy, unspecified	ICD-10-CM	Diagnosis
A5031	Late congenital syphilitic interstitial keratitis	ICD-10-CM	Diagnosis
A5032	Late congenital syphilitic chorioretinitis	ICD-10-CM	Diagnosis
A5039	Other late congenital syphilitic oculopathy	ICD-10-CM	Diagnosis
A5040	Late congenital neurosyphilis, unspecified	ICD-10-CM	Diagnosis
A5041	Late congenital syphilitic meningitis	ICD-10-CM	Diagnosis
A5042	Late congenital syphilitic encephalitis	ICD-10-CM	Diagnosis
A5043	Late congenital syphilitic polyneuropathy	ICD-10-CM	Diagnosis
A5044	Late congenital syphilitic optic nerve atrophy	ICD-10-CM	Diagnosis
A5045	Juvenile general paresis	ICD-10-CM	Diagnosis
A5049	Other late congenital neurosyphilis	ICD-10-CM	Diagnosis
A5051	Clutton's joints	ICD-10-CM	Diagnosis
A5052	Hutchinson's teeth	ICD-10-CM	Diagnosis
A5053	Hutchinson's triad	ICD-10-CM	Diagnosis
A5054	Late congenital cardiovascular syphilis	ICD-10-CM	Diagnosis
A5055	Late congenital syphilitic arthropathy	ICD-10-CM	Diagnosis
A5056	Late congenital syphilitic osteochondropathy	ICD-10-CM	Diagnosis
A5057	Syphilitic saddle nose	ICD-10-CM	Diagnosis
A5059	Other late congenital syphilis, symptomatic	ICD-10-CM	Diagnosis
A506	Late congenital syphilis, latent	ICD-10-CM	Diagnosis
A507	Late congenital syphilis, unspecified	ICD-10-CM	Diagnosis
A509	Congenital syphilis, unspecified	ICD-10-CM	Diagnosis
A510	Primary genital syphilis	ICD-10-CM	Diagnosis
A511	Primary anal syphilis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A512	Primary syphilis of other sites	ICD-10-CM	Diagnosis
A5131	Condyloma latum	ICD-10-CM	Diagnosis
A5132	Syphilitic alopecia	ICD-10-CM	Diagnosis
A5139	Other secondary syphilis of skin	ICD-10-CM	Diagnosis
A5141	Secondary syphilitic meningitis	ICD-10-CM	Diagnosis
A5142	Secondary syphilitic female pelvic disease	ICD-10-CM	Diagnosis
A5143	Secondary syphilitic oculopathy	ICD-10-CM	Diagnosis
A5144	Secondary syphilitic nephritis	ICD-10-CM	Diagnosis
A5145	Secondary syphilitic hepatitis	ICD-10-CM	Diagnosis
A5146	Secondary syphilitic osteopathy	ICD-10-CM	Diagnosis
A5149	Other secondary syphilitic conditions	ICD-10-CM	Diagnosis
A515	Early syphilis, latent	ICD-10-CM	Diagnosis
A519	Early syphilis, unspecified	ICD-10-CM	Diagnosis
A5200	Cardiovascular syphilis, unspecified	ICD-10-CM	Diagnosis
A5201	Syphilitic aneurysm of aorta	ICD-10-CM	Diagnosis
A5202	Syphilitic aortitis	ICD-10-CM	Diagnosis
A5203	Syphilitic endocarditis	ICD-10-CM	Diagnosis
A5204	Syphilitic cerebral arteritis	ICD-10-CM	Diagnosis
A5205	Other cerebrovascular syphilis	ICD-10-CM	Diagnosis
A5206	Other syphilitic heart involvement	ICD-10-CM	Diagnosis
A5209	Other cardiovascular syphilis	ICD-10-CM	Diagnosis
A5210	Symptomatic neurosyphilis, unspecified	ICD-10-CM	Diagnosis
A5211	Tabes dorsalis	ICD-10-CM	Diagnosis
A5212	Other cerebrospinal syphilis	ICD-10-CM	Diagnosis
A5213	Late syphilitic meningitis	ICD-10-CM	Diagnosis
A5214	Late syphilitic encephalitis	ICD-10-CM	Diagnosis
A5215	Late syphilitic neuropathy	ICD-10-CM	Diagnosis
A5216	Charcot's arthropathy (tabetic)	ICD-10-CM	Diagnosis
A5217	General paresis	ICD-10-CM	Diagnosis
A5219	Other symptomatic neurosyphilis	ICD-10-CM	Diagnosis
A522	Asymptomatic neurosyphilis	ICD-10-CM	Diagnosis
A523	Neurosyphilis, unspecified	ICD-10-CM	Diagnosis
A5271	Late syphilitic oculopathy	ICD-10-CM	Diagnosis
A5272	Syphilis of lung and bronchus	ICD-10-CM	Diagnosis
A5273	Symptomatic late syphilis of other respiratory organs	ICD-10-CM	Diagnosis
A5274	Syphilis of liver and other viscera	ICD-10-CM	Diagnosis
A5275	Syphilis of kidney and ureter	ICD-10-CM	Diagnosis
A5276	Other genitourinary symptomatic late syphilis	ICD-10-CM	Diagnosis
A5277	Syphilis of bone and joint	ICD-10-CM	Diagnosis
A5278	Syphilis of other musculoskeletal tissue	ICD-10-CM	Diagnosis
A5279	Other symptomatic late syphilis	ICD-10-CM	Diagnosis
A528	Late syphilis, latent	ICD-10-CM	Diagnosis
A529	Late syphilis, unspecified	ICD-10-CM	Diagnosis
A530	Latent syphilis, unspecified as early or late	ICD-10-CM	Diagnosis
A539	Syphilis, unspecified	ICD-10-CM	Diagnosis
A5400	Gonococcal infection of lower genitourinary tract, unsp	ICD-10-CM	Diagnosis
A5401	Gonococcal cystitis and urethritis, unspecified	ICD-10-CM	Diagnosis
A5402	Gonococcal vulvovaginitis, unspecified	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
A5403	Gonococcal cervicitis, unspecified	ICD-10-CM	Diagnosis
A5409	Other gonococcal infection of lower genitourinary tract	ICD-10-CM	Diagnosis
A541	Gonocl infct of lower GU tract w periureth and acc glnd abcs	ICD-10-CM	Diagnosis
A5421	Gonococcal infection of kidney and ureter	ICD-10-CM	Diagnosis
A5422	Gonococcal prostatitis	ICD-10-CM	Diagnosis
A5423	Gonococcal infection of other male genital organs	ICD-10-CM	Diagnosis
A5424	Gonococcal female pelvic inflammatory disease	ICD-10-CM	Diagnosis
A5429	Other gonococcal genitourinary infections	ICD-10-CM	Diagnosis
A5430	Gonococcal infection of eye, unspecified	ICD-10-CM	Diagnosis
A5431	Gonococcal conjunctivitis	ICD-10-CM	Diagnosis
A5432	Gonococcal iridocyclitis	ICD-10-CM	Diagnosis
A5433	Gonococcal keratitis	ICD-10-CM	Diagnosis
A5439	Other gonococcal eye infection	ICD-10-CM	Diagnosis
A5440	Gonococcal infection of musculoskeletal system, unspecified	ICD-10-CM	Diagnosis
A5441	Gonococcal spondylopathy	ICD-10-CM	Diagnosis
A5442	Gonococcal arthritis	ICD-10-CM	Diagnosis
A5443	Gonococcal osteomyelitis	ICD-10-CM	Diagnosis
A5449	Gonococcal infection of other musculoskeletal tissue	ICD-10-CM	Diagnosis
A545	Gonococcal pharyngitis	ICD-10-CM	Diagnosis
A546	Gonococcal infection of anus and rectum	ICD-10-CM	Diagnosis
A5481	Gonococcal meningitis	ICD-10-CM	Diagnosis
A5482	Gonococcal brain abscess	ICD-10-CM	Diagnosis
A5483	Gonococcal heart infection	ICD-10-CM	Diagnosis
A5484	Gonococcal pneumonia	ICD-10-CM	Diagnosis
A5485	Gonococcal peritonitis	ICD-10-CM	Diagnosis
A5486	Gonococcal sepsis	ICD-10-CM	Diagnosis
A5489	Other gonococcal infections	ICD-10-CM	Diagnosis
A549	Gonococcal infection, unspecified	ICD-10-CM	Diagnosis
A55	Chlamydial lymphogranuloma (venereum)	ICD-10-CM	Diagnosis
A5600	Chlamydial infection of lower genitourinary tract, unsp	ICD-10-CM	Diagnosis
A5601	Chlamydial cystitis and urethritis	ICD-10-CM	Diagnosis
A5602	Chlamydial vulvovaginitis	ICD-10-CM	Diagnosis
A5609	Other chlamydial infection of lower genitourinary tract	ICD-10-CM	Diagnosis
A5611	Chlamydial female pelvic inflammatory disease	ICD-10-CM	Diagnosis
A5619	Other chlamydial genitourinary infection	ICD-10-CM	Diagnosis
A562	Chlamydial infection of genitourinary tract, unspecified	ICD-10-CM	Diagnosis
A563	Chlamydial infection of anus and rectum	ICD-10-CM	Diagnosis
A564	Chlamydial infection of pharynx	ICD-10-CM	Diagnosis
A568	Sexually transmitted chlamydial infection of other sites	ICD-10-CM	Diagnosis
A57	Chancroid	ICD-10-CM	Diagnosis
A58	Granuloma inguinale	ICD-10-CM	Diagnosis
A5900	Urogenital trichomoniasis, unspecified	ICD-10-CM	Diagnosis
A5901	Trichomonal vulvovaginitis	ICD-10-CM	Diagnosis
A5902	Trichomonal prostatitis	ICD-10-CM	Diagnosis
A5903	Trichomonal cystitis and urethritis	ICD-10-CM	Diagnosis
A5909	Other urogenital trichomoniasis	ICD-10-CM	Diagnosis
A598	Trichomoniasis of other sites	ICD-10-CM	Diagnosis
A599	Trichomoniasis, unspecified	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A6000	Herpesviral infection of urogenital system, unspecified	ICD-10-CM	Diagnosis
A6001	Herpesviral infection of penis	ICD-10-CM	Diagnosis
A6002	Herpesviral infection of other male genital organs	ICD-10-CM	Diagnosis
A6003	Herpesviral cervicitis	ICD-10-CM	Diagnosis
A6004	Herpesviral vulvovaginitis	ICD-10-CM	Diagnosis
A6009	Herpesviral infection of other urogenital tract	ICD-10-CM	Diagnosis
A601	Herpesviral infection of perianal skin and rectum	ICD-10-CM	Diagnosis
A609	Anogenital herpesviral infection, unspecified	ICD-10-CM	Diagnosis
A630	Anogenital (venereal) warts	ICD-10-CM	Diagnosis
A638	Other specified predominantly sexually transmitted diseases	ICD-10-CM	Diagnosis
A64	Unspecified sexually transmitted disease	ICD-10-CM	Diagnosis
A65	Nonvenereal syphilis	ICD-10-CM	Diagnosis
A660	Initial lesions of yaws	ICD-10-CM	Diagnosis
A661	Multiple papillomata and wet crab yaws	ICD-10-CM	Diagnosis
A662	Other early skin lesions of yaws	ICD-10-CM	Diagnosis
A663	Hyperkeratosis of yaws	ICD-10-CM	Diagnosis
A664	Gummata and ulcers of yaws	ICD-10-CM	Diagnosis
A665	Gangosa	ICD-10-CM	Diagnosis
A666	Bone and joint lesions of yaws	ICD-10-CM	Diagnosis
A667	Other manifestations of yaws	ICD-10-CM	Diagnosis
A668	Latent yaws	ICD-10-CM	Diagnosis
A669	Yaws, unspecified	ICD-10-CM	Diagnosis
A670	Primary lesions of pinta	ICD-10-CM	Diagnosis
A671	Intermediate lesions of pinta	ICD-10-CM	Diagnosis
A672	Late lesions of pinta	ICD-10-CM	Diagnosis
A673	Mixed lesions of pinta	ICD-10-CM	Diagnosis
A679	Pinta, unspecified	ICD-10-CM	Diagnosis
A680	Louse-borne relapsing fever	ICD-10-CM	Diagnosis
A681	Tick-borne relapsing fever	ICD-10-CM	Diagnosis
A689	Relapsing fever, unspecified	ICD-10-CM	Diagnosis
A690	Necrotizing ulcerative stomatitis	ICD-10-CM	Diagnosis
A691	Other Vincent's infections	ICD-10-CM	Diagnosis
A6920	Lyme disease, unspecified	ICD-10-CM	Diagnosis
A6921	Meningitis due to Lyme disease	ICD-10-CM	Diagnosis
A6922	Other neurologic disorders in Lyme disease	ICD-10-CM	Diagnosis
A6923	Arthritis due to Lyme disease	ICD-10-CM	Diagnosis
A6929	Other conditions associated with Lyme disease	ICD-10-CM	Diagnosis
A698	Other specified spirochetal infections	ICD-10-CM	Diagnosis
A699	Spirochetal infection, unspecified	ICD-10-CM	Diagnosis
A70	Chlamydia psittaci infections	ICD-10-CM	Diagnosis
A710	Initial stage of trachoma	ICD-10-CM	Diagnosis
A711	Active stage of trachoma	ICD-10-CM	Diagnosis
A719	Trachoma, unspecified	ICD-10-CM	Diagnosis
A740	Chlamydial conjunctivitis	ICD-10-CM	Diagnosis
A7481	Chlamydial peritonitis	ICD-10-CM	Diagnosis
A7489	Other chlamydial diseases	ICD-10-CM	Diagnosis
A749	Chlamydial infection, unspecified	ICD-10-CM	Diagnosis
A750	Epidemic louse-borne typhus fever d/t Rickettsia prowazekii	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A751	Recrudescent typhus [Brill's disease]	ICD-10-CM	Diagnosis
A752	Typhus fever due to Rickettsia typhi	ICD-10-CM	Diagnosis
A753	Typhus fever due to Rickettsia tsutsugamushi	ICD-10-CM	Diagnosis
A759	Typhus fever, unspecified	ICD-10-CM	Diagnosis
A770	Spotted fever due to Rickettsia rickettsii	ICD-10-CM	Diagnosis
A771	Spotted fever due to Rickettsia conorii	ICD-10-CM	Diagnosis
A772	Spotted fever due to Rickettsia siberica	ICD-10-CM	Diagnosis
A773	Spotted fever due to Rickettsia australis	ICD-10-CM	Diagnosis
A7740	Ehrlichiosis, unspecified	ICD-10-CM	Diagnosis
A7741	Ehrlichiosis chafeensis [E. chafeensis]	ICD-10-CM	Diagnosis
A7749	Other ehrlichiosis	ICD-10-CM	Diagnosis
A778	Other spotted fevers	ICD-10-CM	Diagnosis
A779	Spotted fever, unspecified	ICD-10-CM	Diagnosis
A78	Q fever	ICD-10-CM	Diagnosis
A790	Trench fever	ICD-10-CM	Diagnosis
A791	Rickettsialpox due to Rickettsia akari	ICD-10-CM	Diagnosis
A7981	Rickettsiosis due to Ehrlichia sennetsu	ICD-10-CM	Diagnosis
A7989	Other specified rickettsioses	ICD-10-CM	Diagnosis
A799	Rickettsiosis, unspecified	ICD-10-CM	Diagnosis
A800	Acute paralytic poliomyelitis, vaccine-associated	ICD-10-CM	Diagnosis
A801	Acute paralytic poliomyelitis, wild virus, imported	ICD-10-CM	Diagnosis
A802	Acute paralytic poliomyelitis, wild virus, indigenous	ICD-10-CM	Diagnosis
A8030	Acute paralytic poliomyelitis, unspecified	ICD-10-CM	Diagnosis
A8039	Other acute paralytic poliomyelitis	ICD-10-CM	Diagnosis
A804	Acute nonparalytic poliomyelitis	ICD-10-CM	Diagnosis
A809	Acute poliomyelitis, unspecified	ICD-10-CM	Diagnosis
A8100	Creutzfeldt-Jakob disease, unspecified	ICD-10-CM	Diagnosis
A8101	Variant Creutzfeldt-Jakob disease	ICD-10-CM	Diagnosis
A8109	Other Creutzfeldt-Jakob disease	ICD-10-CM	Diagnosis
A811	Subacute sclerosing panencephalitis	ICD-10-CM	Diagnosis
A812	Progressive multifocal leukoencephalopathy	ICD-10-CM	Diagnosis
A8181	Kuru	ICD-10-CM	Diagnosis
A8182	Gerstmann-Straussler-Scheinker syndrome	ICD-10-CM	Diagnosis
A8183	Fatal familial insomnia	ICD-10-CM	Diagnosis
A8189	Other atypical virus infections of central nervous system	ICD-10-CM	Diagnosis
A819	Atypical virus infection of central nervous system, unsp	ICD-10-CM	Diagnosis
A820	Sylvatic rabies	ICD-10-CM	Diagnosis
A821	Urban rabies	ICD-10-CM	Diagnosis
A829	Rabies, unspecified	ICD-10-CM	Diagnosis
A830	Japanese encephalitis	ICD-10-CM	Diagnosis
A831	Western equine encephalitis	ICD-10-CM	Diagnosis
A832	Eastern equine encephalitis	ICD-10-CM	Diagnosis
A833	St Louis encephalitis	ICD-10-CM	Diagnosis
A834	Australian encephalitis	ICD-10-CM	Diagnosis
A835	California encephalitis	ICD-10-CM	Diagnosis
A836	Rocio virus disease	ICD-10-CM	Diagnosis
A838	Other mosquito-borne viral encephalitis	ICD-10-CM	Diagnosis
A839	Mosquito-borne viral encephalitis, unspecified	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A840	Far Eastern tick-borne encephalitis	ICD-10-CM	Diagnosis
A841	Central European tick-borne encephalitis	ICD-10-CM	Diagnosis
A848	Other tick-borne viral encephalitis	ICD-10-CM	Diagnosis
A849	Tick-borne viral encephalitis, unspecified	ICD-10-CM	Diagnosis
A850	Enteroviral encephalitis	ICD-10-CM	Diagnosis
A851	Adenoviral encephalitis	ICD-10-CM	Diagnosis
A852	Arthropod-borne viral encephalitis, unspecified	ICD-10-CM	Diagnosis
A858	Other specified viral encephalitis	ICD-10-CM	Diagnosis
A86	Unspecified viral encephalitis	ICD-10-CM	Diagnosis
A870	Enteroviral meningitis	ICD-10-CM	Diagnosis
A871	Adenoviral meningitis	ICD-10-CM	Diagnosis
A872	Lymphocytic choriomeningitis	ICD-10-CM	Diagnosis
A878	Other viral meningitis	ICD-10-CM	Diagnosis
A879	Viral meningitis, unspecified	ICD-10-CM	Diagnosis
A880	Enteroviral exanthematous fever [Boston exanthem]	ICD-10-CM	Diagnosis
A881	Epidemic vertigo	ICD-10-CM	Diagnosis
A888	Other specified viral infections of central nervous system	ICD-10-CM	Diagnosis
A89	Unspecified viral infection of central nervous system	ICD-10-CM	Diagnosis
A90	Dengue fever [classical dengue]	ICD-10-CM	Diagnosis
A91	Dengue hemorrhagic fever	ICD-10-CM	Diagnosis
A920	Chikungunya virus disease	ICD-10-CM	Diagnosis
A921	O'nyong-nyong fever	ICD-10-CM	Diagnosis
A922	Venezuelan equine fever	ICD-10-CM	Diagnosis
A9230	West Nile virus infection, unspecified	ICD-10-CM	Diagnosis
A9231	West Nile virus infection with encephalitis	ICD-10-CM	Diagnosis
A9232	West Nile virus infection with oth neurologic manifestation	ICD-10-CM	Diagnosis
A9239	West Nile virus infection with other complications	ICD-10-CM	Diagnosis
A924	Rift Valley fever	ICD-10-CM	Diagnosis
A925	Zika virus disease	ICD-10-CM	Diagnosis
A928	Other specified mosquito-borne viral fevers	ICD-10-CM	Diagnosis
A929	Mosquito-borne viral fever, unspecified	ICD-10-CM	Diagnosis
A930	Oropouche virus disease	ICD-10-CM	Diagnosis
A931	Sandfly fever	ICD-10-CM	Diagnosis
A932	Colorado tick fever	ICD-10-CM	Diagnosis
A938	Other specified arthropod-borne viral fevers	ICD-10-CM	Diagnosis
A94	Unspecified arthropod-borne viral fever	ICD-10-CM	Diagnosis
A950	Sylvatic yellow fever	ICD-10-CM	Diagnosis
A951	Urban yellow fever	ICD-10-CM	Diagnosis
A959	Yellow fever, unspecified	ICD-10-CM	Diagnosis
A960	Junin hemorrhagic fever	ICD-10-CM	Diagnosis
A961	Machupo hemorrhagic fever	ICD-10-CM	Diagnosis
A962	Lassa fever	ICD-10-CM	Diagnosis
A968	Other arenaviral hemorrhagic fevers	ICD-10-CM	Diagnosis
A969	Arenaviral hemorrhagic fever, unspecified	ICD-10-CM	Diagnosis
A980	Crimean-Congo hemorrhagic fever	ICD-10-CM	Diagnosis
A981	Omsk hemorrhagic fever	ICD-10-CM	Diagnosis
A982	Kyasanur Forest disease	ICD-10-CM	Diagnosis
A983	Marburg virus disease	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
A984	Ebola virus disease	ICD-10-CM	Diagnosis
A985	Hemorrhagic fever with renal syndrome	ICD-10-CM	Diagnosis
A988	Other specified viral hemorrhagic fevers	ICD-10-CM	Diagnosis
A99	Unspecified viral hemorrhagic fever	ICD-10-CM	Diagnosis
B000	Eczema herpeticum	ICD-10-CM	Diagnosis
B001	Herpesviral vesicular dermatitis	ICD-10-CM	Diagnosis
B002	Herpesviral gingivostomatitis and pharyngotonsillitis	ICD-10-CM	Diagnosis
B003	Herpesviral meningitis	ICD-10-CM	Diagnosis
B004	Herpesviral encephalitis	ICD-10-CM	Diagnosis
B0050	Herpesviral ocular disease, unspecified	ICD-10-CM	Diagnosis
B0051	Herpesviral iridocyclitis	ICD-10-CM	Diagnosis
B0052	Herpesviral keratitis	ICD-10-CM	Diagnosis
B0053	Herpesviral conjunctivitis	ICD-10-CM	Diagnosis
B0059	Other herpesviral disease of eye	ICD-10-CM	Diagnosis
B007	Disseminated herpesviral disease	ICD-10-CM	Diagnosis
B0081	Herpesviral hepatitis	ICD-10-CM	Diagnosis
B0082	Herpes simplex myelitis	ICD-10-CM	Diagnosis
B0089	Other herpesviral infection	ICD-10-CM	Diagnosis
B009	Herpesviral infection, unspecified	ICD-10-CM	Diagnosis
B010	Varicella meningitis	ICD-10-CM	Diagnosis
B0111	Varicella encephalitis and encephalomyelitis	ICD-10-CM	Diagnosis
B0112	Varicella myelitis	ICD-10-CM	Diagnosis
B012	Varicella pneumonia	ICD-10-CM	Diagnosis
B0181	Varicella keratitis	ICD-10-CM	Diagnosis
B0189	Other varicella complications	ICD-10-CM	Diagnosis
B019	Varicella without complication	ICD-10-CM	Diagnosis
B020	Zoster encephalitis	ICD-10-CM	Diagnosis
B021	Zoster meningitis	ICD-10-CM	Diagnosis
B0221	Postherpetic geniculate ganglionitis	ICD-10-CM	Diagnosis
B0222	Postherpetic trigeminal neuralgia	ICD-10-CM	Diagnosis
B0223	Postherpetic polyneuropathy	ICD-10-CM	Diagnosis
B0224	Postherpetic myelitis	ICD-10-CM	Diagnosis
B0229	Other postherpetic nervous system involvement	ICD-10-CM	Diagnosis
B0230	Zoster ocular disease, unspecified	ICD-10-CM	Diagnosis
B0231	Zoster conjunctivitis	ICD-10-CM	Diagnosis
B0232	Zoster iridocyclitis	ICD-10-CM	Diagnosis
B0233	Zoster keratitis	ICD-10-CM	Diagnosis
B0234	Zoster scleritis	ICD-10-CM	Diagnosis
B0239	Other herpes zoster eye disease	ICD-10-CM	Diagnosis
B027	Disseminated zoster	ICD-10-CM	Diagnosis
B028	Zoster with other complications	ICD-10-CM	Diagnosis
B029	Zoster without complications	ICD-10-CM	Diagnosis
B03	Smallpox	ICD-10-CM	Diagnosis
B04	Monkeypox	ICD-10-CM	Diagnosis
B050	Measles complicated by encephalitis	ICD-10-CM	Diagnosis
B051	Measles complicated by meningitis	ICD-10-CM	Diagnosis
B052	Measles complicated by pneumonia	ICD-10-CM	Diagnosis
B053	Measles complicated by otitis media	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
B054	Measles with intestinal complications	ICD-10-CM	Diagnosis
B0581	Measles keratitis and keratoconjunctivitis	ICD-10-CM	Diagnosis
B0589	Other measles complications	ICD-10-CM	Diagnosis
B059	Measles without complication	ICD-10-CM	Diagnosis
B0600	Rubella with neurological complication, unspecified	ICD-10-CM	Diagnosis
B0601	Rubella encephalitis	ICD-10-CM	Diagnosis
B0602	Rubella meningitis	ICD-10-CM	Diagnosis
B0609	Other neurological complications of rubella	ICD-10-CM	Diagnosis
B0681	Rubella pneumonia	ICD-10-CM	Diagnosis
B0682	Rubella arthritis	ICD-10-CM	Diagnosis
B0689	Other rubella complications	ICD-10-CM	Diagnosis
B069	Rubella without complication	ICD-10-CM	Diagnosis
B070	Plantar wart	ICD-10-CM	Diagnosis
B078	Other viral warts	ICD-10-CM	Diagnosis
B079	Viral wart, unspecified	ICD-10-CM	Diagnosis
B08010	Cowpox	ICD-10-CM	Diagnosis
B08011	Vaccinia not from vaccine	ICD-10-CM	Diagnosis
B0802	Orf virus disease	ICD-10-CM	Diagnosis
B0803	Pseudocowpox [milker's node]	ICD-10-CM	Diagnosis
B0804	Paravaccinia, unspecified	ICD-10-CM	Diagnosis
B0809	Other orthopoxvirus infections	ICD-10-CM	Diagnosis
B081	Molluscum contagiosum	ICD-10-CM	Diagnosis
B0820	Exanthema subitum [sixth disease], unspecified	ICD-10-CM	Diagnosis
B0821	Exanthema subitum [sixth disease] due to human herpesvirus 6	ICD-10-CM	Diagnosis
B0822	Exanthema subitum [sixth disease] due to human herpesvirus 7	ICD-10-CM	Diagnosis
B083	Erythema infectiosum [fifth disease]	ICD-10-CM	Diagnosis
B084	Enteroviral vesicular stomatitis with exanthem	ICD-10-CM	Diagnosis
B085	Enteroviral vesicular pharyngitis	ICD-10-CM	Diagnosis
B0860	Parapoxvirus infection, unspecified	ICD-10-CM	Diagnosis
B0861	Bovine stomatitis	ICD-10-CM	Diagnosis
B0862	Sealpox	ICD-10-CM	Diagnosis
B0869	Other parapoxvirus infections	ICD-10-CM	Diagnosis
B0870	Yatapoxvirus infection, unspecified	ICD-10-CM	Diagnosis
B0871	Tanapox virus disease	ICD-10-CM	Diagnosis
B0872	Yaba pox virus disease	ICD-10-CM	Diagnosis
B0879	Other yatapoxvirus infections	ICD-10-CM	Diagnosis
B088	Oth viral infections with skin and mucous membrane lesions	ICD-10-CM	Diagnosis
B09	Unsp viral infection with skin and mucous membrane lesions	ICD-10-CM	Diagnosis
B1001	Human herpesvirus 6 encephalitis	ICD-10-CM	Diagnosis
B1009	Other human herpesvirus encephalitis	ICD-10-CM	Diagnosis
B1081	Human herpesvirus 6 infection	ICD-10-CM	Diagnosis
B1082	Human herpesvirus 7 infection	ICD-10-CM	Diagnosis
B1089	Other human herpesvirus infection	ICD-10-CM	Diagnosis
B150	Hepatitis A with hepatic coma	ICD-10-CM	Diagnosis
B159	Hepatitis A without hepatic coma	ICD-10-CM	Diagnosis
B160	Acute hepatitis B with delta-agent with hepatic coma	ICD-10-CM	Diagnosis
B161	Acute hepatitis B with delta-agent without hepatic coma	ICD-10-CM	Diagnosis
B162	Acute hepatitis B without delta-agent with hepatic coma	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
B169	Acute hepatitis B w/o delta-agent and without hepatic coma	ICD-10-CM	Diagnosis
B170	Acute delta-(super) infection of hepatitis B carrier	ICD-10-CM	Diagnosis
B1710	Acute hepatitis C without hepatic coma	ICD-10-CM	Diagnosis
B1711	Acute hepatitis C with hepatic coma	ICD-10-CM	Diagnosis
B172	Acute hepatitis E	ICD-10-CM	Diagnosis
B178	Other specified acute viral hepatitis	ICD-10-CM	Diagnosis
B179	Acute viral hepatitis, unspecified	ICD-10-CM	Diagnosis
B180	Chronic viral hepatitis B with delta-agent	ICD-10-CM	Diagnosis
B181	Chronic viral hepatitis B without delta-agent	ICD-10-CM	Diagnosis
B182	Chronic viral hepatitis C	ICD-10-CM	Diagnosis
B188	Other chronic viral hepatitis	ICD-10-CM	Diagnosis
B189	Chronic viral hepatitis, unspecified	ICD-10-CM	Diagnosis
B190	Unspecified viral hepatitis with hepatic coma	ICD-10-CM	Diagnosis
B1910	Unspecified viral hepatitis B without hepatic coma	ICD-10-CM	Diagnosis
B1911	Unspecified viral hepatitis B with hepatic coma	ICD-10-CM	Diagnosis
B1920	Unspecified viral hepatitis C without hepatic coma	ICD-10-CM	Diagnosis
B1921	Unspecified viral hepatitis C with hepatic coma	ICD-10-CM	Diagnosis
B199	Unspecified viral hepatitis without hepatic coma	ICD-10-CM	Diagnosis
B20	Human immunodeficiency virus [HIV] disease	ICD-10-CM	Diagnosis
B250	Cytomegaloviral pneumonitis	ICD-10-CM	Diagnosis
B251	Cytomegaloviral hepatitis	ICD-10-CM	Diagnosis
B252	Cytomegaloviral pancreatitis	ICD-10-CM	Diagnosis
B258	Other cytomegaloviral diseases	ICD-10-CM	Diagnosis
B259	Cytomegaloviral disease, unspecified	ICD-10-CM	Diagnosis
B260	Mumps orchitis	ICD-10-CM	Diagnosis
B261	Mumps meningitis	ICD-10-CM	Diagnosis
B262	Mumps encephalitis	ICD-10-CM	Diagnosis
B263	Mumps pancreatitis	ICD-10-CM	Diagnosis
B2681	Mumps hepatitis	ICD-10-CM	Diagnosis
B2682	Mumps myocarditis	ICD-10-CM	Diagnosis
B2683	Mumps nephritis	ICD-10-CM	Diagnosis
B2684	Mumps polyneuropathy	ICD-10-CM	Diagnosis
B2685	Mumps arthritis	ICD-10-CM	Diagnosis
B2689	Other mumps complications	ICD-10-CM	Diagnosis
B269	Mumps without complication	ICD-10-CM	Diagnosis
B2700	Gammaherpesviral mononucleosis without complication	ICD-10-CM	Diagnosis
B2701	Gammaherpesviral mononucleosis with polyneuropathy	ICD-10-CM	Diagnosis
B2702	Gammaherpesviral mononucleosis with meningitis	ICD-10-CM	Diagnosis
B2709	Gammaherpesviral mononucleosis with other complications	ICD-10-CM	Diagnosis
B2710	Cytomegaloviral mononucleosis without complications	ICD-10-CM	Diagnosis
B2711	Cytomegaloviral mononucleosis with polyneuropathy	ICD-10-CM	Diagnosis
B2712	Cytomegaloviral mononucleosis with meningitis	ICD-10-CM	Diagnosis
B2719	Cytomegaloviral mononucleosis with other complication	ICD-10-CM	Diagnosis
B2780	Other infectious mononucleosis without complication	ICD-10-CM	Diagnosis
B2781	Other infectious mononucleosis with polyneuropathy	ICD-10-CM	Diagnosis
B2782	Other infectious mononucleosis with meningitis	ICD-10-CM	Diagnosis
B2789	Other infectious mononucleosis with other complication	ICD-10-CM	Diagnosis
B2790	Infectious mononucleosis, unspecified without complication	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
B2791	Infectious mononucleosis, unspecified with polyneuropathy	ICD-10-CM	Diagnosis
B2792	Infectious mononucleosis, unspecified with meningitis	ICD-10-CM	Diagnosis
B2799	Infectious mononucleosis, unsp with other complication	ICD-10-CM	Diagnosis
B300	Keratoconjunctivitis due to adenovirus	ICD-10-CM	Diagnosis
B301	Conjunctivitis due to adenovirus	ICD-10-CM	Diagnosis
B302	Viral pharyngoconjunctivitis	ICD-10-CM	Diagnosis
B303	Acute epidemic hemorrhagic conjunctivitis (enteroviral)	ICD-10-CM	Diagnosis
B308	Other viral conjunctivitis	ICD-10-CM	Diagnosis
B309	Viral conjunctivitis, unspecified	ICD-10-CM	Diagnosis
B330	Epidemic myalgia	ICD-10-CM	Diagnosis
B331	Ross River disease	ICD-10-CM	Diagnosis
B3320	Viral carditis, unspecified	ICD-10-CM	Diagnosis
B3321	Viral endocarditis	ICD-10-CM	Diagnosis
B3322	Viral myocarditis	ICD-10-CM	Diagnosis
B3323	Viral pericarditis	ICD-10-CM	Diagnosis
B3324	Viral cardiomyopathy	ICD-10-CM	Diagnosis
B333	Retrovirus infections, not elsewhere classified	ICD-10-CM	Diagnosis
B334	Hantavirus (cardio)-pulmonary syndrome [HPS] [HCPS]	ICD-10-CM	Diagnosis
B338	Other specified viral diseases	ICD-10-CM	Diagnosis
B340	Adenovirus infection, unspecified	ICD-10-CM	Diagnosis
B341	Enterovirus infection, unspecified	ICD-10-CM	Diagnosis
B342	Coronavirus infection, unspecified	ICD-10-CM	Diagnosis
B343	Parvovirus infection, unspecified	ICD-10-CM	Diagnosis
B344	Papovavirus infection, unspecified	ICD-10-CM	Diagnosis
B348	Other viral infections of unspecified site	ICD-10-CM	Diagnosis
B349	Viral infection, unspecified	ICD-10-CM	Diagnosis
B350	Tinea barbae and tinea capitis	ICD-10-CM	Diagnosis
B351	Tinea unguium	ICD-10-CM	Diagnosis
B352	Tinea manuum	ICD-10-CM	Diagnosis
B353	Tinea pedis	ICD-10-CM	Diagnosis
B354	Tinea corporis	ICD-10-CM	Diagnosis
B355	Tinea imbricata	ICD-10-CM	Diagnosis
B356	Tinea cruris	ICD-10-CM	Diagnosis
B358	Other dermatophytoses	ICD-10-CM	Diagnosis
B359	Dermatophytosis, unspecified	ICD-10-CM	Diagnosis
B360	Pityriasis versicolor	ICD-10-CM	Diagnosis
B361	Tinea nigra	ICD-10-CM	Diagnosis
B362	White piedra	ICD-10-CM	Diagnosis
B363	Black piedra	ICD-10-CM	Diagnosis
B368	Other specified superficial mycoses	ICD-10-CM	Diagnosis
B369	Superficial mycosis, unspecified	ICD-10-CM	Diagnosis
B370	Candidal stomatitis	ICD-10-CM	Diagnosis
B371	Pulmonary candidiasis	ICD-10-CM	Diagnosis
B372	Candidiasis of skin and nail	ICD-10-CM	Diagnosis
B373	Candidiasis of vulva and vagina	ICD-10-CM	Diagnosis
B3741	Candidal cystitis and urethritis	ICD-10-CM	Diagnosis
B3742	Candidal balanitis	ICD-10-CM	Diagnosis
B3749	Other urogenital candidiasis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
B375	Candidal meningitis	ICD-10-CM	Diagnosis
B376	Candidal endocarditis	ICD-10-CM	Diagnosis
B377	Candidal sepsis	ICD-10-CM	Diagnosis
B3781	Candidal esophagitis	ICD-10-CM	Diagnosis
B3782	Candidal enteritis	ICD-10-CM	Diagnosis
B3783	Candidal cheilitis	ICD-10-CM	Diagnosis
B3784	Candidal otitis externa	ICD-10-CM	Diagnosis
B3789	Other sites of candidiasis	ICD-10-CM	Diagnosis
B379	Candidiasis, unspecified	ICD-10-CM	Diagnosis
B380	Acute pulmonary coccidioidomycosis	ICD-10-CM	Diagnosis
B381	Chronic pulmonary coccidioidomycosis	ICD-10-CM	Diagnosis
B382	Pulmonary coccidioidomycosis, unspecified	ICD-10-CM	Diagnosis
B383	Cutaneous coccidioidomycosis	ICD-10-CM	Diagnosis
B384	Coccidioidomycosis meningitis	ICD-10-CM	Diagnosis
B387	Disseminated coccidioidomycosis	ICD-10-CM	Diagnosis
B3881	Prostatic coccidioidomycosis	ICD-10-CM	Diagnosis
B3889	Other forms of coccidioidomycosis	ICD-10-CM	Diagnosis
B389	Coccidioidomycosis, unspecified	ICD-10-CM	Diagnosis
B390	Acute pulmonary histoplasmosis capsulati	ICD-10-CM	Diagnosis
B391	Chronic pulmonary histoplasmosis capsulati	ICD-10-CM	Diagnosis
B392	Pulmonary histoplasmosis capsulati, unspecified	ICD-10-CM	Diagnosis
B393	Disseminated histoplasmosis capsulati	ICD-10-CM	Diagnosis
B394	Histoplasmosis capsulati, unspecified	ICD-10-CM	Diagnosis
B395	Histoplasmosis duboisii	ICD-10-CM	Diagnosis
B399	Histoplasmosis, unspecified	ICD-10-CM	Diagnosis
B400	Acute pulmonary blastomycosis	ICD-10-CM	Diagnosis
B401	Chronic pulmonary blastomycosis	ICD-10-CM	Diagnosis
B402	Pulmonary blastomycosis, unspecified	ICD-10-CM	Diagnosis
B403	Cutaneous blastomycosis	ICD-10-CM	Diagnosis
B407	Disseminated blastomycosis	ICD-10-CM	Diagnosis
B4081	Blastomycotic meningoencephalitis	ICD-10-CM	Diagnosis
B4089	Other forms of blastomycosis	ICD-10-CM	Diagnosis
B409	Blastomycosis, unspecified	ICD-10-CM	Diagnosis
B410	Pulmonary paracoccidioidomycosis	ICD-10-CM	Diagnosis
B417	Disseminated paracoccidioidomycosis	ICD-10-CM	Diagnosis
B418	Other forms of paracoccidioidomycosis	ICD-10-CM	Diagnosis
B419	Paracoccidioidomycosis, unspecified	ICD-10-CM	Diagnosis
B420	Pulmonary sporotrichosis	ICD-10-CM	Diagnosis
B421	Lymphocutaneous sporotrichosis	ICD-10-CM	Diagnosis
B427	Disseminated sporotrichosis	ICD-10-CM	Diagnosis
B4281	Cerebral sporotrichosis	ICD-10-CM	Diagnosis
B4282	Sporotrichosis arthritis	ICD-10-CM	Diagnosis
B4289	Other forms of sporotrichosis	ICD-10-CM	Diagnosis
B429	Sporotrichosis, unspecified	ICD-10-CM	Diagnosis
B430	Cutaneous chromomycosis	ICD-10-CM	Diagnosis
B431	Pheomycotic brain abscess	ICD-10-CM	Diagnosis
B432	Subcutaneous pheomycotic abscess and cyst	ICD-10-CM	Diagnosis
B438	Other forms of chromomycosis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
B439	Chromomycosis, unspecified	ICD-10-CM	Diagnosis
B440	Invasive pulmonary aspergillosis	ICD-10-CM	Diagnosis
B441	Other pulmonary aspergillosis	ICD-10-CM	Diagnosis
B442	Tonsillar aspergillosis	ICD-10-CM	Diagnosis
B447	Disseminated aspergillosis	ICD-10-CM	Diagnosis
B4481	Allergic bronchopulmonary aspergillosis	ICD-10-CM	Diagnosis
B4489	Other forms of aspergillosis	ICD-10-CM	Diagnosis
B449	Aspergillosis, unspecified	ICD-10-CM	Diagnosis
B450	Pulmonary cryptococcosis	ICD-10-CM	Diagnosis
B451	Cerebral cryptococcosis	ICD-10-CM	Diagnosis
B452	Cutaneous cryptococcosis	ICD-10-CM	Diagnosis
B453	Osseous cryptococcosis	ICD-10-CM	Diagnosis
B457	Disseminated cryptococcosis	ICD-10-CM	Diagnosis
B458	Other forms of cryptococcosis	ICD-10-CM	Diagnosis
B459	Cryptococcosis, unspecified	ICD-10-CM	Diagnosis
B460	Pulmonary mucormycosis	ICD-10-CM	Diagnosis
B461	Rhinocerebral mucormycosis	ICD-10-CM	Diagnosis
B462	Gastrointestinal mucormycosis	ICD-10-CM	Diagnosis
B463	Cutaneous mucormycosis	ICD-10-CM	Diagnosis
B464	Disseminated mucormycosis	ICD-10-CM	Diagnosis
B465	Mucormycosis, unspecified	ICD-10-CM	Diagnosis
B468	Other zygomycoses	ICD-10-CM	Diagnosis
B469	Zygomycosis, unspecified	ICD-10-CM	Diagnosis
B470	Eumycetoma	ICD-10-CM	Diagnosis
B471	Actinomycetoma	ICD-10-CM	Diagnosis
B479	Mycetoma, unspecified	ICD-10-CM	Diagnosis
B480	Lobomycosis	ICD-10-CM	Diagnosis
B481	Rhinosporidiosis	ICD-10-CM	Diagnosis
B482	Allescheriasis	ICD-10-CM	Diagnosis
B483	Geotrichosis	ICD-10-CM	Diagnosis
B484	Penicillosis	ICD-10-CM	Diagnosis
B488	Other specified mycoses	ICD-10-CM	Diagnosis
B49	Unspecified mycosis	ICD-10-CM	Diagnosis
B500	Plasmodium falciparum malaria with cerebral complications	ICD-10-CM	Diagnosis
B508	Other severe and complicated Plasmodium falciparum malaria	ICD-10-CM	Diagnosis
B509	Plasmodium falciparum malaria, unspecified	ICD-10-CM	Diagnosis
B510	Plasmodium vivax malaria with rupture of spleen	ICD-10-CM	Diagnosis
B518	Plasmodium vivax malaria with other complications	ICD-10-CM	Diagnosis
B519	Plasmodium vivax malaria without complication	ICD-10-CM	Diagnosis
B520	Plasmodium malariae malaria with nephropathy	ICD-10-CM	Diagnosis
B528	Plasmodium malariae malaria with other complications	ICD-10-CM	Diagnosis
B529	Plasmodium malariae malaria without complication	ICD-10-CM	Diagnosis
B530	Plasmodium ovale malaria	ICD-10-CM	Diagnosis
B531	Malaria due to simian plasmodia	ICD-10-CM	Diagnosis
B538	Other malaria, not elsewhere classified	ICD-10-CM	Diagnosis
B54	Unspecified malaria	ICD-10-CM	Diagnosis
B550	Visceral leishmaniasis	ICD-10-CM	Diagnosis
B551	Cutaneous leishmaniasis	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
B552	Mucocutaneous leishmaniasis	ICD-10-CM	Diagnosis
B559	Leishmaniasis, unspecified	ICD-10-CM	Diagnosis
B560	Gambiense trypanosomiasis	ICD-10-CM	Diagnosis
B561	Rhodesiense trypanosomiasis	ICD-10-CM	Diagnosis
B569	African trypanosomiasis, unspecified	ICD-10-CM	Diagnosis
B570	Acute Chagas' disease with heart involvement	ICD-10-CM	Diagnosis
B571	Acute Chagas' disease without heart involvement	ICD-10-CM	Diagnosis
B572	Chagas' disease (chronic) with heart involvement	ICD-10-CM	Diagnosis
B5730	Chagas' disease with digestive system involvement, unsp	ICD-10-CM	Diagnosis
B5731	Megaesophagus in Chagas' disease	ICD-10-CM	Diagnosis
B5732	Megacolon in Chagas' disease	ICD-10-CM	Diagnosis
B5739	Other digestive system involvement in Chagas' disease	ICD-10-CM	Diagnosis
B5740	Chagas' disease with nervous system involvement, unspecified	ICD-10-CM	Diagnosis
B5741	Meningitis in Chagas' disease	ICD-10-CM	Diagnosis
B5742	Meningoencephalitis in Chagas' disease	ICD-10-CM	Diagnosis
B5749	Other nervous system involvement in Chagas' disease	ICD-10-CM	Diagnosis
B575	Chagas' disease (chronic) with other organ involvement	ICD-10-CM	Diagnosis
B5800	Toxoplasma oculopathy, unspecified	ICD-10-CM	Diagnosis
B5801	Toxoplasma chorioretinitis	ICD-10-CM	Diagnosis
B5809	Other toxoplasma oculopathy	ICD-10-CM	Diagnosis
B581	Toxoplasma hepatitis	ICD-10-CM	Diagnosis
B582	Toxoplasma meningoencephalitis	ICD-10-CM	Diagnosis
B583	Pulmonary toxoplasmosis	ICD-10-CM	Diagnosis
B5881	Toxoplasma myocarditis	ICD-10-CM	Diagnosis
B5882	Toxoplasma myositis	ICD-10-CM	Diagnosis
B5883	Toxoplasma tubulo-interstitial nephropathy	ICD-10-CM	Diagnosis
B5889	Toxoplasmosis with other organ involvement	ICD-10-CM	Diagnosis
B589	Toxoplasmosis, unspecified	ICD-10-CM	Diagnosis
B59	Pneumocystosis	ICD-10-CM	Diagnosis
B600	Babesiosis	ICD-10-CM	Diagnosis
B6010	Acanthamebiasis, unspecified	ICD-10-CM	Diagnosis
B6011	Meningoencephalitis due to Acanthamoeba (culbertsoni)	ICD-10-CM	Diagnosis
B6012	Conjunctivitis due to Acanthamoeba	ICD-10-CM	Diagnosis
B6013	Keratoconjunctivitis due to Acanthamoeba	ICD-10-CM	Diagnosis
B6019	Other acanthamebic disease	ICD-10-CM	Diagnosis
B602	Naegleriasis	ICD-10-CM	Diagnosis
B608	Other specified protozoal diseases	ICD-10-CM	Diagnosis
B64	Unspecified protozoal disease	ICD-10-CM	Diagnosis
B650	Schistosomiasis due to Schistosoma haematobium	ICD-10-CM	Diagnosis
B651	Schistosomiasis due to Schistosoma mansoni	ICD-10-CM	Diagnosis
B652	Schistosomiasis due to Schistosoma japonicum	ICD-10-CM	Diagnosis
B653	Cercarial dermatitis	ICD-10-CM	Diagnosis
B658	Other schistosomiasis	ICD-10-CM	Diagnosis
B659	Schistosomiasis, unspecified	ICD-10-CM	Diagnosis
B660	Opisthorchiasis	ICD-10-CM	Diagnosis
B661	Clonorchiasis	ICD-10-CM	Diagnosis
B662	Dicroceliasis	ICD-10-CM	Diagnosis
B663	Fascioliasis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
B664	Paragonimiasis	ICD-10-CM	Diagnosis
B665	Fasciolopsiasis	ICD-10-CM	Diagnosis
B668	Other specified fluke infections	ICD-10-CM	Diagnosis
B669	Fluke infection, unspecified	ICD-10-CM	Diagnosis
B670	Echinococcus granulosus infection of liver	ICD-10-CM	Diagnosis
B671	Echinococcus granulosus infection of lung	ICD-10-CM	Diagnosis
B672	Echinococcus granulosus infection of bone	ICD-10-CM	Diagnosis
B6731	Echinococcus granulosus infection, thyroid gland	ICD-10-CM	Diagnosis
B6732	Echinococcus granulosus infection, multiple sites	ICD-10-CM	Diagnosis
B6739	Echinococcus granulosus infection, other sites	ICD-10-CM	Diagnosis
B674	Echinococcus granulosus infection, unspecified	ICD-10-CM	Diagnosis
B675	Echinococcus multilocularis infection of liver	ICD-10-CM	Diagnosis
B6761	Echinococcus multilocularis infection, multiple sites	ICD-10-CM	Diagnosis
B6769	Echinococcus multilocularis infection, other sites	ICD-10-CM	Diagnosis
B677	Echinococcus multilocularis infection, unspecified	ICD-10-CM	Diagnosis
B678	Echinococcosis, unspecified, of liver	ICD-10-CM	Diagnosis
B6790	Echinococcosis, unspecified	ICD-10-CM	Diagnosis
B6799	Other echinococcosis	ICD-10-CM	Diagnosis
B680	Taenia solium taeniasis	ICD-10-CM	Diagnosis
B681	Taenia saginata taeniasis	ICD-10-CM	Diagnosis
B689	Taeniasis, unspecified	ICD-10-CM	Diagnosis
B690	Cysticercosis of central nervous system	ICD-10-CM	Diagnosis
B691	Cysticercosis of eye	ICD-10-CM	Diagnosis
B6981	Myositis in cysticercosis	ICD-10-CM	Diagnosis
B6989	Cysticercosis of other sites	ICD-10-CM	Diagnosis
B699	Cysticercosis, unspecified	ICD-10-CM	Diagnosis
B700	Diphyllobothriasis	ICD-10-CM	Diagnosis
B701	Sparganosis	ICD-10-CM	Diagnosis
B710	Hymenolepiasis	ICD-10-CM	Diagnosis
B711	Dipylidiasis	ICD-10-CM	Diagnosis
B718	Other specified cestode infections	ICD-10-CM	Diagnosis
B719	Cestode infection, unspecified	ICD-10-CM	Diagnosis
B72	Dracunculiasis	ICD-10-CM	Diagnosis
B7300	Onchocerciasis with eye involvement, unspecified	ICD-10-CM	Diagnosis
B7301	Onchocerciasis with endophthalmitis	ICD-10-CM	Diagnosis
B7302	Onchocerciasis with glaucoma	ICD-10-CM	Diagnosis
B7309	Onchocerciasis with other eye involvement	ICD-10-CM	Diagnosis
B731	Onchocerciasis without eye disease	ICD-10-CM	Diagnosis
B740	Filariasis due to Wuchereria bancrofti	ICD-10-CM	Diagnosis
B741	Filariasis due to Brugia malayi	ICD-10-CM	Diagnosis
B742	Filariasis due to Brugia timori	ICD-10-CM	Diagnosis
B743	Loiasis	ICD-10-CM	Diagnosis
B744	Mansonelliasis	ICD-10-CM	Diagnosis
B748	Other filariases	ICD-10-CM	Diagnosis
B749	Filariasis, unspecified	ICD-10-CM	Diagnosis
B75	Trichinellosis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
B760	Ancylostomiasis	ICD-10-CM	Diagnosis
B761	Necatoriasis	ICD-10-CM	Diagnosis
B768	Other hookworm diseases	ICD-10-CM	Diagnosis
B769	Hookworm disease, unspecified	ICD-10-CM	Diagnosis
B770	Ascariasis with intestinal complications	ICD-10-CM	Diagnosis
B7781	Ascariasis pneumonia	ICD-10-CM	Diagnosis
B7789	Ascariasis with other complications	ICD-10-CM	Diagnosis
B779	Ascariasis, unspecified	ICD-10-CM	Diagnosis
B780	Intestinal strongyloidiasis	ICD-10-CM	Diagnosis
B781	Cutaneous strongyloidiasis	ICD-10-CM	Diagnosis
B787	Disseminated strongyloidiasis	ICD-10-CM	Diagnosis
B789	Strongyloidiasis, unspecified	ICD-10-CM	Diagnosis
B79	Trichuriasis	ICD-10-CM	Diagnosis
B80	Enterobiasis	ICD-10-CM	Diagnosis
B810	Anisakiasis	ICD-10-CM	Diagnosis
B811	Intestinal capillariasis	ICD-10-CM	Diagnosis
B812	Trichostrongyliasis	ICD-10-CM	Diagnosis
B813	Intestinal angiostrongyliasis	ICD-10-CM	Diagnosis
B814	Mixed intestinal helminthiases	ICD-10-CM	Diagnosis
B818	Other specified intestinal helminthiases	ICD-10-CM	Diagnosis
B820	Intestinal helminthiasis, unspecified	ICD-10-CM	Diagnosis
B829	Intestinal parasitism, unspecified	ICD-10-CM	Diagnosis
B830	Visceral larva migrans	ICD-10-CM	Diagnosis
B831	Gnathostomiasis	ICD-10-CM	Diagnosis
B832	Angiostrongyliasis due to Parastrongylus cantonensis	ICD-10-CM	Diagnosis
B833	Syngamiasis	ICD-10-CM	Diagnosis
B834	Internal hirudiniasis	ICD-10-CM	Diagnosis
B838	Other specified helminthiases	ICD-10-CM	Diagnosis
B839	Helminthiasis, unspecified	ICD-10-CM	Diagnosis
B850	Pediculosis due to Pediculus humanus capitis	ICD-10-CM	Diagnosis
B851	Pediculosis due to Pediculus humanus corporis	ICD-10-CM	Diagnosis
B852	Pediculosis, unspecified	ICD-10-CM	Diagnosis
B853	Phthiriasis	ICD-10-CM	Diagnosis
B854	Mixed pediculosis and phthiriasis	ICD-10-CM	Diagnosis
B86	Scabies	ICD-10-CM	Diagnosis
B870	Cutaneous myiasis	ICD-10-CM	Diagnosis
B871	Wound myiasis	ICD-10-CM	Diagnosis
B872	Ocular myiasis	ICD-10-CM	Diagnosis
B873	Nasopharyngeal myiasis	ICD-10-CM	Diagnosis
B874	Aural myiasis	ICD-10-CM	Diagnosis
B8781	Genitourinary myiasis	ICD-10-CM	Diagnosis
B8782	Intestinal myiasis	ICD-10-CM	Diagnosis
B8789	Myiasis of other sites	ICD-10-CM	Diagnosis
B879	Myiasis, unspecified	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
B880	Other acariasis	ICD-10-CM	Diagnosis
B881	Tungiasis [sandflea infestation]	ICD-10-CM	Diagnosis
B882	Other arthropod infestations	ICD-10-CM	Diagnosis
B883	External hirudiniasis	ICD-10-CM	Diagnosis
B888	Other specified infestations	ICD-10-CM	Diagnosis
B889	Infestation, unspecified	ICD-10-CM	Diagnosis
B89	Unspecified parasitic disease	ICD-10-CM	Diagnosis
B900	Sequelae of central nervous system tuberculosis	ICD-10-CM	Diagnosis
B901	Sequelae of genitourinary tuberculosis	ICD-10-CM	Diagnosis
B902	Sequelae of tuberculosis of bones and joints	ICD-10-CM	Diagnosis
B908	Sequelae of tuberculosis of other organs	ICD-10-CM	Diagnosis
B909	Sequelae of respiratory and unspecified tuberculosis	ICD-10-CM	Diagnosis
B91	Sequelae of poliomyelitis	ICD-10-CM	Diagnosis
B92	Sequelae of leprosy	ICD-10-CM	Diagnosis
B940	Sequelae of trachoma	ICD-10-CM	Diagnosis
B941	Sequelae of viral encephalitis	ICD-10-CM	Diagnosis
B942	Sequelae of viral hepatitis	ICD-10-CM	Diagnosis
B948	Sequelae of oth infectious and parasitic diseases	ICD-10-CM	Diagnosis
B949	Sequelae of unspecified infectious and parasitic disease	ICD-10-CM	Diagnosis
B950	Streptococcus, group A, causing diseases classd elswhr	ICD-10-CM	Diagnosis
B951	Streptococcus, group B, causing diseases classd elswhr	ICD-10-CM	Diagnosis
B952	Enterococcus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B953	Streptococcus pneumoniae causing diseases classd elswhr	ICD-10-CM	Diagnosis
B954	Oth streptococcus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B955	Unsp streptococcus as the cause of diseases classd elswhr	ICD-10-CM	Sentinel
B9561	Methicillin suscep staph infct causing dis classd elswhr	ICD-10-CM	Diagnosis
B9562	Methicillin resis staph infct causing diseases classd elswhr	ICD-10-CM	Diagnosis
B957	Oth staphylococcus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B958	Unsp staphylococcus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B960	Mycoplasma pneumoniae as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B961	Klebsiella pneumoniae as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9620	Unsp Escherichia coli as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9621	Shiga toxin E coli (STEC) O157 causing dis classd elswhr	ICD-10-CM	Diagnosis
B9622	Oth shiga toxin E coli (STEC) causing diseases classd elswhr	ICD-10-CM	Diagnosis
B9623	Unsp shiga toxin E coli (STEC) causing dis classd elswhr	ICD-10-CM	Diagnosis
B9629	Oth Escherichia coli as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B963	Hemophilus influenzae as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B964	Proteus (mirabilis) (morganii) causing dis classd elswhr	ICD-10-CM	Diagnosis
B965	Pseudomonas (mallei) causing diseases classd elswhr	ICD-10-CM	Diagnosis
B966	Bacteroides fragilis as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B967	Clostridium perfringens causing diseases classd elswhr	ICD-10-CM	Diagnosis
B9681	Helicobacter pylori as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9682	Vibrio vulnificus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9689	Oth bacterial agents as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
B970	Adenovirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9710	Unsp enterovirus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9711	Coxsackievirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9712	Echovirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9719	Oth enterovirus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9721	SARS-associated coronavirus causing diseases classd elswhr	ICD-10-CM	Diagnosis
B9729	Oth coronavirus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9730	Unsp retrovirus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9731	Lentivirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9732	Oncovirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9733	HTLV-I as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9734	HTLV-II as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9735	HIV 2 as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9739	Oth retrovirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B974	Respiratory syncytial virus causing diseases classd elswhr	ICD-10-CM	Diagnosis
B975	Reovirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B976	Parvovirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B977	Papillomavirus as the cause of diseases classified elsewhere	ICD-10-CM	Diagnosis
B9781	Human metapneumovirus as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B9789	Oth viral agents as the cause of diseases classd elswhr	ICD-10-CM	Diagnosis
B998	Other infectious disease	ICD-10-CM	Diagnosis
B999	Unspecified infectious disease	ICD-10-CM	Diagnosis
D733	Abscess of spleen	ICD-10-CM	Diagnosis
G00	Bacterial meningitis, not elsewhere classified	ICD-10-CM	Diagnosis
G000	Hemophilus meningitis	ICD-10-CM	Diagnosis
G001	Pneumococcal meningitis	ICD-10-CM	Diagnosis
G002	Streptococcal meningitis	ICD-10-CM	Diagnosis
G003	Staphylococcal meningitis	ICD-10-CM	Diagnosis
G008	Other bacterial meningitis	ICD-10-CM	Diagnosis
G009	Bacterial meningitis, unspecified	ICD-10-CM	Diagnosis
G01	Meningitis in bacterial diseases classified elsewhere	ICD-10-CM	Diagnosis
G02	Meningitis in oth infec/parastc diseases classd elswhr	ICD-10-CM	Diagnosis
G038	Meningitis due to other specified causes	ICD-10-CM	Diagnosis
G039	Meningitis, unspecified	ICD-10-CM	Diagnosis
H00031	Abscess of right upper eyelid	ICD-10-CM	Diagnosis
H00032	Abscess of right lower eyelid	ICD-10-CM	Diagnosis
H00033	Abscess of eyelid right eye, unspecified eyelid	ICD-10-CM	Diagnosis
H00034	Abscess of left upper eyelid	ICD-10-CM	Diagnosis
H00035	Abscess of left lower eyelid	ICD-10-CM	Diagnosis
H00036	Abscess of eyelid left eye, unspecified eyelid	ICD-10-CM	Diagnosis
H00039	Abscess of eyelid unspecified eye, unspecified eyelid	ICD-10-CM	Diagnosis
H05011	Cellulitis of right orbit	ICD-10-CM	Diagnosis
H05012	Cellulitis of left orbit	ICD-10-CM	Diagnosis
H05013	Cellulitis of bilateral orbits	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
H05019	Cellulitis of unspecified orbit	ICD-10-CM	Diagnosis
H0502	Osteomyelitis of orbit	ICD-10-CM	Diagnosis
H05021	Osteomyelitis of right orbit	ICD-10-CM	Diagnosis
H05022	Osteomyelitis of left orbit	ICD-10-CM	Diagnosis
H05023	Osteomyelitis of bilateral orbits	ICD-10-CM	Diagnosis
H05029	Osteomyelitis of unspecified orbit	ICD-10-CM	Diagnosis
H6000	Abscess of external ear, unspecified ear	ICD-10-CM	Diagnosis
H6001	Abscess of right external ear	ICD-10-CM	Diagnosis
H6002	Abscess of left external ear	ICD-10-CM	Diagnosis
H6003	Abscess of external ear, bilateral	ICD-10-CM	Diagnosis
H6010	Cellulitis of external ear, unspecified ear	ICD-10-CM	Diagnosis
H6011	Cellulitis of right external ear	ICD-10-CM	Diagnosis
H6012	Cellulitis of left external ear	ICD-10-CM	Diagnosis
H6013	Cellulitis of external ear, bilateral	ICD-10-CM	Diagnosis
I330	Acute and subacute infective endocarditis	ICD-10-CM	Diagnosis
I70261	Athscl native arteries of extremities w gangrene, right leg	ICD-10-CM	Diagnosis
I70262	Athscl native arteries of extremities w gangrene, left leg	ICD-10-CM	Diagnosis
I70263	Athscl native arteries of extrm w gangrene, bilateral legs	ICD-10-CM	Diagnosis
I70268	Athscl native arteries of extrm w gangrene, oth extremity	ICD-10-CM	Diagnosis
I70269	Athscl native arteries of extrm w gangrene, unsp extremity	ICD-10-CM	Diagnosis
I7301	Raynaud's syndrome with gangrene	ICD-10-CM	Diagnosis
I76	Septic arterial embolism	ICD-10-CM	Diagnosis
I96	Gangrene, not elsewhere classified	ICD-10-CM	Diagnosis
J00	Acute nasopharyngitis [common cold]	ICD-10-CM	Diagnosis
J0100	Acute maxillary sinusitis, unspecified	ICD-10-CM	Siagnosis
J0101	Acute recurrent maxillary sinusitis	ICD-10-CM	Diagnosis
J0110	Acute frontal sinusitis, unspecified	ICD-10-CM	Diagnosis
J0111	Acute recurrent frontal sinusitis	ICD-10-CM	Diagnosis
J0120	Acute ethmoidal sinusitis, unspecified	ICD-10-CM	Diagnosis
J0121	Acute recurrent ethmoidal sinusitis	ICD-10-CM	Diagnosis
J0130	Acute sphenoidal sinusitis, unspecified	ICD-10-CM	Diagnosis
J0131	Acute recurrent sphenoidal sinusitis	ICD-10-CM	Diagnosis
J0140	Acute pansinusitis, unspecified	ICD-10-CM	Diagnosis
J0141	Acute recurrent pansinusitis	ICD-10-CM	Diagnosis
J0180	Other acute sinusitis	ICD-10-CM	Diagnosis
J0181	Other acute recurrent sinusitis	ICD-10-CM	Diagnosis
J0190	Acute sinusitis, unspecified	ICD-10-CM	Diagnosis
J0191	Acute recurrent sinusitis, unspecified	ICD-10-CM	Diagnosis
J020	Streptococcal pharyngitis	ICD-10-CM	Diagnosis
J028	Acute pharyngitis due to other specified organisms	ICD-10-CM	Diagnosis
J029	Acute pharyngitis, unspecified	ICD-10-CM	Diagnosis
J0300	Acute streptococcal tonsillitis, unspecified	ICD-10-CM	Diagnosis
J0301	Acute recurrent streptococcal tonsillitis	ICD-10-CM	Diagnosis
J0380	Acute tonsillitis due to other specified organisms	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
J0381	Acute recurrent tonsillitis due to other specified organisms	ICD-10-CM	Diagnosis
J0390	Acute tonsillitis, unspecified	ICD-10-CM	Diagnosis
J0391	Acute recurrent tonsillitis, unspecified	ICD-10-CM	Diagnosis
J040	Acute laryngitis	ICD-10-CM	Diagnosis
J0410	Acute tracheitis without obstruction	ICD-10-CM	Diagnosis
J0411	Acute tracheitis with obstruction	ICD-10-CM	Diagnosis
J042	Acute laryngotracheitis	ICD-10-CM	Diagnosis
J0430	Supraglottitis, unspecified, without obstruction	ICD-10-CM	Diagnosis
J0431	Supraglottitis, unspecified, with obstruction	ICD-10-CM	Diagnosis
J050	Acute obstructive laryngitis [croup]	ICD-10-CM	Diagnosis
J0510	Acute epiglottitis without obstruction	ICD-10-CM	Diagnosis
J0511	Acute epiglottitis with obstruction	ICD-10-CM	Diagnosis
J060	Acute laryngopharyngitis	ICD-10-CM	Diagnosis
J069	Acute upper respiratory infection, unspecified	ICD-10-CM	Diagnosis
J09X1	Influenza due to ident novel influenza A virus w pneumonia	ICD-10-CM	Diagnosis
J09X2	Flu due to ident novel influenza A virus w oth resp manifest	ICD-10-CM	Diagnosis
J09X3	Influenza due to ident novel influenza A virus w GI manifest	ICD-10-CM	Diagnosis
J09X9	Flu due to ident novel influenza A virus w oth manifest	ICD-10-CM	Diagnosis
J1000	Flu due to oth ident flu virus w unsp type of pneumonia	ICD-10-CM	Diagnosis
J1001	Flu due to oth ident flu virus w same oth ident flu virus pn	ICD-10-CM	Diagnosis
J1008	Influenza due to oth ident influenza virus w oth pneumonia	ICD-10-CM	Diagnosis
J101	Flu due to oth ident influenza virus w oth resp manifest	ICD-10-CM	Diagnosis
J102	Influenza due to oth ident influenza virus w GI manifest	ICD-10-CM	Diagnosis
J1081	Influenza due to oth ident influenza virus w encephalopathy	ICD-10-CM	Diagnosis
J1082	Influenza due to oth ident influenza virus w myocarditis	ICD-10-CM	Diagnosis
J1083	Influenza due to oth ident influenza virus w otitis media	ICD-10-CM	Diagnosis
J1089	Influenza due to oth ident influenza virus w oth manifest	ICD-10-CM	Diagnosis
J1100	Flu due to unidentified flu virus w unsp type of pneumonia	ICD-10-CM	Diagnosis
J1108	Flu due to unidentified flu virus w specified pneumonia	ICD-10-CM	Diagnosis
J111	Flu due to unidentified influenza virus w oth resp manifest	ICD-10-CM	Diagnosis
J112	Influenza due to unidentified influenza virus w GI manifest	ICD-10-CM	Diagnosis
J1181	Flu due to unidentified influenza virus w encephalopathy	ICD-10-CM	Diagnosis
J1182	Influenza due to unidentified influenza virus w myocarditis	ICD-10-CM	Diagnosis
J1183	Influenza due to unidentified influenza virus w otitis media	ICD-10-CM	Diagnosis
J1189	Influenza due to unidentified influenza virus w oth manifest	ICD-10-CM	Diagnosis
J12	Viral pneumonia	ICD-10-CM	Diagnosis
J120	Adenoviral pneumonia	ICD-10-CM	Diagnosis
J121	Respiratory syncytial virus pneumonia	ICD-10-CM	Diagnosis
J122	Parainfluenza virus pneumonia	ICD-10-CM	Diagnosis
J123	Human metapneumovirus pneumonia	ICD-10-CM	Diagnosis
J128	Other viral pneumonia	ICD-10-CM	Diagnosis
J1281	Pneumonia due to SARS-associated coronavirus	ICD-10-CM	Diagnosis
J1289	Other viral pneumonia	ICD-10-CM	Diagnosis
J129	Viral pneumonia, unspecified	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
J13	Pneumonia due to streptococcus pneumoniae	ICD-10-CM	Diagnosis
J14	Pneumonia due to Hemophilus influenzae	ICD-10-CM	Diagnosis
J15	Bacterial pneumonia, not elsewhere classified	ICD-10-CM	Diagnosis
J150	Pneumonia due to Klebsiella pneumoniae	ICD-10-CM	Diagnosis
J151	Pneumonia due to Pseudomonas	ICD-10-CM	Diagnosis
J152	Pneumonia due to staphylococcus	ICD-10-CM	Diagnosis
J1520	Pneumonia due to staphylococcus, unspecified	ICD-10-CM	Diagnosis
J1521	Pneumonia due to staphylococcus aureus	ICD-10-CM	Diagnosis
J15211	Pneumonia due to Methicillin susceptible Staphylococcus aureus	ICD-10-CM	Diagnosis
J15212	Pneumonia due to Methicillin resistant Staphylococcus aureus	ICD-10-CM	Diagnosis
J1529	Pneumonia due to other staphylococcus	ICD-10-CM	Diagnosis
J153	Pneumonia due to streptococcus, group B	ICD-10-CM	Diagnosis
J154	Pneumonia due to other streptococci	ICD-10-CM	Diagnosis
J155	Pneumonia due to Escherichia coli	ICD-10-CM	Diagnosis
J156	Pneumonia due to other aerobic Gram-negative bacteria	ICD-10-CM	Diagnosis
J157	Pneumonia due to Mycoplasma pneumoniae	ICD-10-CM	Diagnosis
J158	Pneumonia due to other specified bacteria	ICD-10-CM	Diagnosis
J159	Unspecified bacterial pneumonia	ICD-10-CM	Diagnosis
J16	Pneumonia due to other infectious organisms, not elsewhere classified	ICD-10-CM	Diagnosis
J160	Chlamydial pneumonia	ICD-10-CM	Diagnosis
J168	Pneumonia due to other specified infectious organisms	ICD-10-CM	Diagnosis
J17	Pneumonia in diseases classified elsewhere	ICD-10-CM	Diagnosis
J18	Pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J180	Bronchopneumonia, unspecified organism	ICD-10-CM	Diagnosis
J181	Lobar pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J182	Hypostatic pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J188	Other pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J189	Pneumonia, unspecified organism	ICD-10-CM	Diagnosis
J200	Acute bronchitis due to Mycoplasma pneumoniae	ICD-10-CM	Diagnosis
J201	Acute bronchitis due to Hemophilus influenzae	ICD-10-CM	Diagnosis
J202	Acute bronchitis due to streptococcus	ICD-10-CM	Diagnosis
J203	Acute bronchitis due to coxsackievirus	ICD-10-CM	Diagnosis
J204	Acute bronchitis due to parainfluenza virus	ICD-10-CM	Diagnosis
J205	Acute bronchitis due to respiratory syncytial virus	ICD-10-CM	Diagnosis
J206	Acute bronchitis due to rhinovirus	ICD-10-CM	Diagnosis
J207	Acute bronchitis due to echovirus	ICD-10-CM	Diagnosis
J208	Acute bronchitis due to other specified organisms	ICD-10-CM	Diagnosis
J209	Acute bronchitis, unspecified	ICD-10-CM	Diagnosis
J210	Acute bronchiolitis due to respiratory syncytial virus	ICD-10-CM	Diagnosis
J211	Acute bronchiolitis due to human metapneumovirus	ICD-10-CM	Diagnosis
J218	Acute bronchiolitis due to other specified organisms	ICD-10-CM	Diagnosis
J219	Acute bronchiolitis, unspecified	ICD-10-CM	Diagnosis
J22	Unspecified acute lower respiratory infection	ICD-10-CM	Diagnosis
J300	Vasomotor rhinitis	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
J301	Allergic rhinitis due to pollen	ICD-10-CM	Diagnosis
J302	Other seasonal allergic rhinitis	ICD-10-CM	Diagnosis
J305	Allergic rhinitis due to food	ICD-10-CM	Diagnosis
J3081	Allergic rhinitis due to animal (cat) (dog) hair and dander	ICD-10-CM	Diagnosis
J3089	Other allergic rhinitis	ICD-10-CM	Diagnosis
J309	Allergic rhinitis, unspecified	ICD-10-CM	Diagnosis
J310	Chronic rhinitis	ICD-10-CM	Diagnosis
J311	Chronic nasopharyngitis	ICD-10-CM	Diagnosis
J312	Chronic pharyngitis	ICD-10-CM	Diagnosis
J320	Chronic maxillary sinusitis	ICD-10-CM	Diagnosis
J321	Chronic frontal sinusitis	ICD-10-CM	Diagnosis
J322	Chronic ethmoidal sinusitis	ICD-10-CM	Diagnosis
J323	Chronic sphenoidal sinusitis	ICD-10-CM	Diagnosis
J324	Chronic pansinusitis	ICD-10-CM	Diagnosis
J328	Other chronic sinusitis	ICD-10-CM	Diagnosis
J329	Chronic sinusitis, unspecified	ICD-10-CM	Diagnosis
J330	Polyp of nasal cavity	ICD-10-CM	Diagnosis
J331	Polypoid sinus degeneration	ICD-10-CM	Diagnosis
J338	Other polyp of sinus	ICD-10-CM	Diagnosis
J339	Nasal polyp, unspecified	ICD-10-CM	Diagnosis
J340	Abscess, furuncle and carbuncle of nose	ICD-10-CM	Diagnosis
J341	Cyst and mucocele of nose and nasal sinus	ICD-10-CM	Diagnosis
J342	Deviated nasal septum	ICD-10-CM	Diagnosis
J343	Hypertrophy of nasal turbinates	ICD-10-CM	Diagnosis
J3481	Nasal mucositis (ulcerative)	ICD-10-CM	Siagnosis
J3489	Other specified disorders of nose and nasal sinuses	ICD-10-CM	Diagnosis
J349	Unspecified disorder of nose and nasal sinuses	ICD-10-CM	Diagnosis
J3501	Chronic tonsillitis	ICD-10-CM	Diagnosis
J3502	Chronic adenoiditis	ICD-10-CM	Diagnosis
J3503	Chronic tonsillitis and adenoiditis	ICD-10-CM	Diagnosis
J351	Hypertrophy of tonsils	ICD-10-CM	Diagnosis
J352	Hypertrophy of adenoids	ICD-10-CM	Diagnosis
J353	Hypertrophy of tonsils with hypertrophy of adenoids	ICD-10-CM	Diagnosis
J358	Other chronic diseases of tonsils and adenoids	ICD-10-CM	Diagnosis
J359	Chronic disease of tonsils and adenoids, unspecified	ICD-10-CM	Diagnosis
J36	Peritonsillar abscess	ICD-10-CM	Diagnosis
J370	Chronic laryngitis	ICD-10-CM	Diagnosis
J371	Chronic laryngotracheitis	ICD-10-CM	Diagnosis
J3800	Paralysis of vocal cords and larynx, unspecified	ICD-10-CM	Diagnosis
J3801	Paralysis of vocal cords and larynx, unilateral	ICD-10-CM	Diagnosis
J3802	Paralysis of vocal cords and larynx, bilateral	ICD-10-CM	Diagnosis
J381	Polyp of vocal cord and larynx	ICD-10-CM	Diagnosis
J382	Nodules of vocal cords	ICD-10-CM	Diagnosis
J383	Other diseases of vocal cords	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
J384	Edema of larynx	ICD-10-CM	Diagnosis
J385	Laryngeal spasm	ICD-10-CM	Diagnosis
J386	Stenosis of larynx	ICD-10-CM	Diagnosis
J387	Other diseases of larynx	ICD-10-CM	Diagnosis
J390	Retropharyngeal and parapharyngeal abscess	ICD-10-CM	Diagnosis
J391	Other abscess of pharynx	ICD-10-CM	Diagnosis
J392	Other diseases of pharynx	ICD-10-CM	Diagnosis
J393	Upper respiratory tract hypersensitivity reaction, site unsp	ICD-10-CM	Diagnosis
J398	Other specified diseases of upper respiratory tract	ICD-10-CM	Diagnosis
J399	Disease of upper respiratory tract, unspecified	ICD-10-CM	Diagnosis
J40	Bronchitis, not specified as acute or chronic	ICD-10-CM	Diagnosis
J410	Simple chronic bronchitis	ICD-10-CM	Diagnosis
J411	Mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J418	Mixed simple and mucopurulent chronic bronchitis	ICD-10-CM	Diagnosis
J42	Unspecified chronic bronchitis	ICD-10-CM	Diagnosis
J430	Unilateral pulmonary emphysema [MacLeod's syndrome]	ICD-10-CM	Diagnosis
J431	Panlobular emphysema	ICD-10-CM	Diagnosis
J432	Centrilobular emphysema	ICD-10-CM	Diagnosis
J438	Other emphysema	ICD-10-CM	Diagnosis
J439	Emphysema, unspecified	ICD-10-CM	Diagnosis
J440	Chronic obstructive pulmon disease w acute lower resp infct	ICD-10-CM	Diagnosis
J441	Chronic obstructive pulmonary disease w (acute) exacerbation	ICD-10-CM	Diagnosis
J449	Chronic obstructive pulmonary disease, unspecified	ICD-10-CM	Diagnosis
J4520	Mild intermittent asthma, uncomplicated	ICD-10-CM	Diagnosis
J4521	Mild intermittent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J4522	Mild intermittent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J4530	Mild persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J4531	Mild persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J4532	Mild persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J4540	Moderate persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J4541	Moderate persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J4542	Moderate persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J4550	Severe persistent asthma, uncomplicated	ICD-10-CM	Diagnosis
J4551	Severe persistent asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J4552	Severe persistent asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45901	Unspecified asthma with (acute) exacerbation	ICD-10-CM	Diagnosis
J45902	Unspecified asthma with status asthmaticus	ICD-10-CM	Diagnosis
J45909	Unspecified asthma, uncomplicated	ICD-10-CM	Diagnosis
J45990	Exercise induced bronchospasm	ICD-10-CM	Diagnosis
J45991	Cough variant asthma	ICD-10-CM	Diagnosis
J45998	Other asthma	ICD-10-CM	Diagnosis
J470	Bronchiectasis with acute lower respiratory infection	ICD-10-CM	Diagnosis
J471	Bronchiectasis with (acute) exacerbation	ICD-10-CM	Diagnosis
J479	Bronchiectasis, uncomplicated	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
J850	Gangrene and necrosis of lung	ICD-10-CM	Diagnosis
J851	Abscess of lung with pneumonia	ICD-10-CM	Diagnosis
K122	Cellulitis and abscess of mouth	ICD-10-CM	Diagnosis
K352	Acute appendicitis with generalized peritonitis	ICD-10-CM	Diagnosis
K353	Acute appendicitis with localized peritonitis	ICD-10-CM	Diagnosis
K3580	Unspecified acute appendicitis	ICD-10-CM	Diagnosis
K3589	Other acute appendicitis	ICD-10-CM	Diagnosis
K36	Other appendicitis	ICD-10-CM	Diagnosis
K37	Unspecified appendicitis	ICD-10-CM	Diagnosis
K389	Disease of appendix, unspecified	ICD-10-CM	Diagnosis
K5530	Necrotizing enterocolitis, unspecified	ICD-10-CM	Diagnosis
K5531	Stage 1 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K5532	Stage 2 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K5533	Stage 3 necrotizing enterocolitis	ICD-10-CM	Diagnosis
K5700	Diverticulitis of small intestine with perforation and abscess without	ICD-10-CM	Diagnosis
K5701	Diverticulitis of small intestine with perforation and abscess with	ICD-10-CM	Diagnosis
K5712	Diverticulitis of small intestine without perforation or abscess without	ICD-10-CM	Diagnosis
K5713	Diverticulitis of small intestine without perforation or abscess with	ICD-10-CM	Diagnosis
K5720	Diverticulitis of large intestine with perforation and abscess without	ICD-10-CM	Diagnosis
K5721	Diverticulitis of large intestine with perforation and abscess with	ICD-10-CM	Diagnosis
K5732	Diverticulitis of large intestine without perforation or abscess without	ICD-10-CM	Diagnosis
K5733	Diverticulitis of large intestine without perforation or abscess with	ICD-10-CM	Diagnosis
K5740	Diverticulitis of both small and large intestine with perforation and	ICD-10-CM	Diagnosis
K5741	Diverticulitis of both small and large intestine with perforation and	ICD-10-CM	Diagnosis
K5752	Diverticulitis of both small and large intestine without perforation or	ICD-10-CM	Diagnosis
K5753	Diverticulitis of both small and large intestine without perforation or	ICD-10-CM	Diagnosis
K5780	Diverticulitis of intestine, part unspecified, with perforation and abscess	ICD-10-CM	Diagnosis
K5781	Diverticulitis of intestine, part unspecified, with perforation and abscess	ICD-10-CM	Diagnosis
K5792	Diverticulitis of intestine, part unspecified, without perforation or	ICD-10-CM	Diagnosis
K5793	Diverticulitis of intestine, part unspecified, without perforation or	ICD-10-CM	Diagnosis
K61	Abscess of anal and rectal regions	ICD-10-CM	Diagnosis
K610	Anal abscess	ICD-10-CM	Diagnosis
K611	Rectal abscess	ICD-10-CM	Diagnosis
K612	Anorectal abscess	ICD-10-CM	Diagnosis
K613	Ischiorectal abscess	ICD-10-CM	Diagnosis
K614	Intrasphincteric abscess	ICD-10-CM	Diagnosis
K630	Abscess of intestine	ICD-10-CM	Diagnosis
K650	Generalized (acute) peritonitis	ICD-10-CM	Diagnosis
K651	Peritoneal abscess	ICD-10-CM	Diagnosis
K652	Spontaneous bacterial peritonitis	ICD-10-CM	Diagnosis
K653	Choleperitonitis	ICD-10-CM	Diagnosis
K658	Other peritonitis	ICD-10-CM	Diagnosis
K659	Peritonitis, unspecified	ICD-10-CM	Diagnosis
K6819	Other retroperitoneal abscess	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
K750	Abscess of liver	ICD-10-CM	Diagnosis
K810	Acute cholecystitis	ICD-10-CM	Diagnosis
K811	Chronic cholecystitis	ICD-10-CM	Diagnosis
K812	Acute cholecystitis with chronic cholecystitis	ICD-10-CM	Diagnosis
K819	Cholecystitis, unspecified	ICD-10-CM	Diagnosis
K850	Idiopathic acute pancreatitis	ICD-10-CM	Diagnosis
K8500	Idiopathic acute pancreatitis without necrosis or infection	ICD-10-CM	Diagnosis
K8501	Idiopathic acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8502	Idiopathic acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K851	Biliary acute pancreatitis	ICD-10-CM	Diagnosis
K8510	Biliary acute pancreatitis without necrosis or infection	ICD-10-CM	Diagnosis
K8511	Biliary acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8512	Biliary acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K852	Alcohol induced acute pancreatitis	ICD-10-CM	Diagnosis
K8520	Alcohol induced acute pancreatitis without necrosis or infct	ICD-10-CM	Diagnosis
K8521	Alcohol induced acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8522	Alcohol induced acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K853	Drug induced acute pancreatitis	ICD-10-CM	Diagnosis
K8530	Drug induced acute pancreatitis without necrosis or infct	ICD-10-CM	Diagnosis
K8531	Drug induced acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8532	Drug induced acute pancreatitis with infected necrosis	ICD-10-CM	Diagnosis
K858	Other acute pancreatitis	ICD-10-CM	Diagnosis
K8580	Other acute pancreatitis without necrosis or infection	ICD-10-CM	Diagnosis
K8581	Other acute pancreatitis with uninfected necrosis	ICD-10-CM	Diagnosis
K8582	Other acute pancreatitis with infected necrosis	ICD-10-CM	Seagnosis
K859	Acute pancreatitis, unspecified	ICD-10-CM	Diagnosis
K8590	Acute pancreatitis without necrosis or infection, unsp	ICD-10-CM	Diagnosis
K8591	Acute pancreatitis with uninfected necrosis, unspecified	ICD-10-CM	Diagnosis
K8592	Acute pancreatitis with infected necrosis, unspecified	ICD-10-CM	Diagnosis
K860	Alcohol-induced chronic pancreatitis	ICD-10-CM	Diagnosis
K861	Other chronic pancreatitis	ICD-10-CM	Diagnosis
L00	Staphylococcal scalded skin syndrome	ICD-10-CM	Diagnosis
L0100	Impetigo, unspecified	ICD-10-CM	Diagnosis
L0101	Non-bullous impetigo	ICD-10-CM	Diagnosis
L0102	Bockhart's impetigo	ICD-10-CM	Diagnosis
L0103	Bullous impetigo	ICD-10-CM	Diagnosis
L0109	Other impetigo	ICD-10-CM	Diagnosis
L011	Impetiginization of other dermatoses	ICD-10-CM	Diagnosis
L0201	Cutaneous abscess of face	ICD-10-CM	Diagnosis
L0202	Furuncle of face	ICD-10-CM	Diagnosis
L0203	Carbuncle of face	ICD-10-CM	Diagnosis
L0211	Cutaneous abscess of neck	ICD-10-CM	Diagnosis
L0212	Furuncle of neck	ICD-10-CM	Diagnosis
L0213	Carbuncle of neck	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
L02211	Cutaneous abscess of abdominal wall	ICD-10-CM	Diagnosis
L02212	Cutaneous abscess of back [any part, except buttock]	ICD-10-CM	Diagnosis
L02213	Cutaneous abscess of chest wall	ICD-10-CM	Diagnosis
L02214	Cutaneous abscess of groin	ICD-10-CM	Diagnosis
L02215	Cutaneous abscess of perineum	ICD-10-CM	Diagnosis
L02216	Cutaneous abscess of umbilicus	ICD-10-CM	Diagnosis
L02219	Cutaneous abscess of trunk, unspecified	ICD-10-CM	Diagnosis
L02221	Furuncle of abdominal wall	ICD-10-CM	Diagnosis
L02222	Furuncle of back [any part, except buttock]	ICD-10-CM	Diagnosis
L02223	Furuncle of chest wall	ICD-10-CM	Diagnosis
L02224	Furuncle of groin	ICD-10-CM	Diagnosis
L02225	Furuncle of perineum	ICD-10-CM	Diagnosis
L02226	Furuncle of umbilicus	ICD-10-CM	Diagnosis
L02229	Furuncle of trunk, unspecified	ICD-10-CM	Diagnosis
L02231	Carbuncle of abdominal wall	ICD-10-CM	Diagnosis
L02232	Carbuncle of back [any part, except buttock]	ICD-10-CM	Diagnosis
L02233	Carbuncle of chest wall	ICD-10-CM	Diagnosis
L02234	Carbuncle of groin	ICD-10-CM	Diagnosis
L02235	Carbuncle of perineum	ICD-10-CM	Diagnosis
L02236	Carbuncle of umbilicus	ICD-10-CM	Diagnosis
L02239	Carbuncle of trunk, unspecified	ICD-10-CM	Diagnosis
L0231	Cutaneous abscess of buttock	ICD-10-CM	Diagnosis
L0232	Furuncle of buttock	ICD-10-CM	Diagnosis
L0233	Carbuncle of buttock	ICD-10-CM	Diagnosis
L02411	Cutaneous abscess of right axilla	ICD-10-CM	Diagnosis
L02412	Cutaneous abscess of left axilla	ICD-10-CM	Diagnosis
L02413	Cutaneous abscess of right upper limb	ICD-10-CM	Diagnosis
L02414	Cutaneous abscess of left upper limb	ICD-10-CM	Diagnosis
L02415	Cutaneous abscess of right lower limb	ICD-10-CM	Diagnosis
L02416	Cutaneous abscess of left lower limb	ICD-10-CM	Diagnosis
L02419	Cutaneous abscess of limb, unspecified	ICD-10-CM	Diagnosis
L02421	Furuncle of right axilla	ICD-10-CM	Diagnosis
L02422	Furuncle of left axilla	ICD-10-CM	Diagnosis
L02423	Furuncle of right upper limb	ICD-10-CM	Diagnosis
L02424	Furuncle of left upper limb	ICD-10-CM	Diagnosis
L02425	Furuncle of right lower limb	ICD-10-CM	Diagnosis
L02426	Furuncle of left lower limb	ICD-10-CM	Diagnosis
L02429	Furuncle of limb, unspecified	ICD-10-CM	Diagnosis
L02431	Carbuncle of right axilla	ICD-10-CM	Diagnosis
L02432	Carbuncle of left axilla	ICD-10-CM	Diagnosis
L02433	Carbuncle of right upper limb	ICD-10-CM	Diagnosis
L02434	Carbuncle of left upper limb	ICD-10-CM	Diagnosis
L02435	Carbuncle of right lower limb	ICD-10-CM	Diagnosis
L02436	Carbuncle of left lower limb	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
L02439	Carbuncle of limb, unspecified	ICD-10-CM	Diagnosis
L02511	Cutaneous abscess of right hand	ICD-10-CM	Diagnosis
L02512	Cutaneous abscess of left hand	ICD-10-CM	Diagnosis
L02519	Cutaneous abscess of unspecified hand	ICD-10-CM	Diagnosis
L02521	Furuncle right hand	ICD-10-CM	Diagnosis
L02522	Furuncle left hand	ICD-10-CM	Diagnosis
L02529	Furuncle unspecified hand	ICD-10-CM	Diagnosis
L02531	Carbuncle of right hand	ICD-10-CM	Diagnosis
L02532	Carbuncle of left hand	ICD-10-CM	Diagnosis
L02539	Carbuncle of unspecified hand	ICD-10-CM	Diagnosis
L02611	Cutaneous abscess of right foot	ICD-10-CM	Diagnosis
L02612	Cutaneous abscess of left foot	ICD-10-CM	Diagnosis
L02619	Cutaneous abscess of unspecified foot	ICD-10-CM	Diagnosis
L02621	Furuncle of right foot	ICD-10-CM	Diagnosis
L02622	Furuncle of left foot	ICD-10-CM	Diagnosis
L02629	Furuncle of unspecified foot	ICD-10-CM	Diagnosis
L02631	Carbuncle of right foot	ICD-10-CM	Diagnosis
L02632	Carbuncle of left foot	ICD-10-CM	Diagnosis
L02639	Carbuncle of unspecified foot	ICD-10-CM	Diagnosis
L02811	Cutaneous abscess of head [any part, except face]	ICD-10-CM	Diagnosis
L02818	Cutaneous abscess of other sites	ICD-10-CM	Diagnosis
L02821	Furuncle of head [any part, except face]	ICD-10-CM	Diagnosis
L02828	Furuncle of other sites	ICD-10-CM	Diagnosis
L02831	Carbuncle of head [any part, except face]	ICD-10-CM	Diagnosis
L02838	Carbuncle of other sites	ICD-10-CM	Siagnosis
L0291	Cutaneous abscess, unspecified	ICD-10-CM	Diagnosis
L0292	Furuncle, unspecified	ICD-10-CM	Diagnosis
L0293	Carbuncle, unspecified	ICD-10-CM	Diagnosis
L03	Cellulitis and acute lymphangitis	ICD-10-CM	Diagnosis
L030	Cellulitis and acute lymphangitis of finger and toe	ICD-10-CM	Diagnosis
L0301	Cellulitis of finger	ICD-10-CM	Diagnosis
L03011	Cellulitis of right finger	ICD-10-CM	Diagnosis
L03012	Cellulitis of left finger	ICD-10-CM	Diagnosis
L03019	Cellulitis of unspecified finger	ICD-10-CM	Diagnosis
L03021	Acute lymphangitis of right finger	ICD-10-CM	Diagnosis
L03022	Acute lymphangitis of left finger	ICD-10-CM	Diagnosis
L03029	Acute lymphangitis of unspecified finger	ICD-10-CM	Diagnosis
L0303	Cellulitis of toe	ICD-10-CM	Diagnosis
L03031	Cellulitis of right toe	ICD-10-CM	Diagnosis
L03032	Cellulitis of left toe	ICD-10-CM	Diagnosis
L03039	Cellulitis of unspecified toe	ICD-10-CM	Diagnosis
L03041	Acute lymphangitis of right toe	ICD-10-CM	Diagnosis
L03042	Acute lymphangitis of left toe	ICD-10-CM	Diagnosis
L03049	Acute lymphangitis of unspecified toe	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
L031	Cellulitis and acute lymphangitis of other parts of limb	ICD-10-CM	Diagnosis
L0311	Cellulitis of other parts of limb	ICD-10-CM	Diagnosis
L03111	Cellulitis of right axilla	ICD-10-CM	Diagnosis
L03112	Cellulitis of left axilla	ICD-10-CM	Diagnosis
L03113	Cellulitis of right upper limb	ICD-10-CM	Diagnosis
L03114	Cellulitis of left upper limb	ICD-10-CM	Diagnosis
L03115	Cellulitis of right lower limb	ICD-10-CM	Diagnosis
L03116	Cellulitis of left lower limb	ICD-10-CM	Diagnosis
L03119	Cellulitis of unspecified part of limb	ICD-10-CM	Diagnosis
L03121	Acute lymphangitis of right axilla	ICD-10-CM	Diagnosis
L03122	Acute lymphangitis of left axilla	ICD-10-CM	Diagnosis
L03123	Acute lymphangitis of right upper limb	ICD-10-CM	Diagnosis
L03124	Acute lymphangitis of left upper limb	ICD-10-CM	Diagnosis
L03125	Acute lymphangitis of right lower limb	ICD-10-CM	Diagnosis
L03126	Acute lymphangitis of left lower limb	ICD-10-CM	Diagnosis
L03129	Acute lymphangitis of unspecified part of limb	ICD-10-CM	Diagnosis
L032	Cellulitis and acute lymphangitis of face and neck	ICD-10-CM	Diagnosis
L0321	Cellulitis and acute lymphangitis of face	ICD-10-CM	Diagnosis
L03211	Cellulitis of face	ICD-10-CM	Diagnosis
L03212	Acute lymphangitis of face	ICD-10-CM	Diagnosis
L03213	Periorbital cellulitis	ICD-10-CM	Diagnosis
L0322	Cellulitis and acute lymphangitis of neck	ICD-10-CM	Diagnosis
L03221	Cellulitis of neck	ICD-10-CM	Diagnosis
L03222	Acute lymphangitis of neck	ICD-10-CM	Diagnosis
L033	Cellulitis and acute lymphangitis of trunk	ICD-10-CM	Siagnosis
L0331	Cellulitis of trunk	ICD-10-CM	Diagnosis
L03311	Cellulitis of abdominal wall	ICD-10-CM	Diagnosis
L03312	Cellulitis of back [any part except buttock]	ICD-10-CM	Diagnosis
L03313	Cellulitis of chest wall	ICD-10-CM	Diagnosis
L03314	Cellulitis of groin	ICD-10-CM	Diagnosis
L03315	Cellulitis of perineum	ICD-10-CM	Diagnosis
L03316	Cellulitis of umbilicus	ICD-10-CM	Diagnosis
L03317	Cellulitis of buttock	ICD-10-CM	Diagnosis
L03319	Cellulitis of trunk, unspecified	ICD-10-CM	Diagnosis
L03321	Acute lymphangitis of abdominal wall	ICD-10-CM	Diagnosis
L03322	Acute lymphangitis of back [any part except buttock]	ICD-10-CM	Diagnosis
L03323	Acute lymphangitis of chest wall	ICD-10-CM	Diagnosis
L03324	Acute lymphangitis of groin	ICD-10-CM	Diagnosis
L03325	Acute lymphangitis of perineum	ICD-10-CM	Diagnosis
L03326	Acute lymphangitis of umbilicus	ICD-10-CM	Diagnosis
L03327	Acute lymphangitis of buttock	ICD-10-CM	Diagnosis
L03329	Acute lymphangitis of trunk, unspecified	ICD-10-CM	Diagnosis
L038	Cellulitis and acute lymphangitis of other sites	ICD-10-CM	Diagnosis
L0381	Cellulitis of other sites	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
L03811	Cellulitis of head [any part, except face]	ICD-10-CM	Diagnosis
L03818	Cellulitis of other sites	ICD-10-CM	Diagnosis
L03891	Acute lymphangitis of head [any part, except face]	ICD-10-CM	Diagnosis
L03898	Acute lymphangitis of other sites	ICD-10-CM	Diagnosis
L039	Cellulitis and acute lymphangitis, unspecified	ICD-10-CM	Diagnosis
L0390	Cellulitis, unspecified	ICD-10-CM	Diagnosis
L0391	Acute lymphangitis, unspecified	ICD-10-CM	Diagnosis
L040	Acute lymphadenitis of face, head and neck	ICD-10-CM	Diagnosis
L041	Acute lymphadenitis of trunk	ICD-10-CM	Diagnosis
L042	Acute lymphadenitis of upper limb	ICD-10-CM	Diagnosis
L043	Acute lymphadenitis of lower limb	ICD-10-CM	Diagnosis
L048	Acute lymphadenitis of other sites	ICD-10-CM	Diagnosis
L049	Acute lymphadenitis, unspecified	ICD-10-CM	Diagnosis
L0501	Pilonidal cyst with abscess	ICD-10-CM	Diagnosis
L0502	Pilonidal sinus with abscess	ICD-10-CM	Diagnosis
L0591	Pilonidal cyst without abscess	ICD-10-CM	Diagnosis
L0592	Pilonidal sinus without abscess	ICD-10-CM	Diagnosis
L080	Pyoderma	ICD-10-CM	Diagnosis
L081	Erythrasma	ICD-10-CM	Diagnosis
L088	Other specified local infections of the skin and subcutaneous tissue	ICD-10-CM	Diagnosis
L0881	Pyoderma vegetans	ICD-10-CM	Diagnosis
L0882	Omphalitis not of newborn	ICD-10-CM	Diagnosis
L0889	Other specified local infections of the skin and subcutaneous tissue	ICD-10-CM	Diagnosis
L089	Local infection of the skin and subcutaneous tissue, unspecified	ICD-10-CM	Diagnosis
M0000	Staphylococcal arthritis, unspecified joint	ICD-10-CM	Diagnosis
M00011	Staphylococcal arthritis, right shoulder	ICD-10-CM	Diagnosis
M00012	Staphylococcal arthritis, left shoulder	ICD-10-CM	Diagnosis
M00019	Staphylococcal arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M00021	Staphylococcal arthritis, right elbow	ICD-10-CM	Diagnosis
M00022	Staphylococcal arthritis, left elbow	ICD-10-CM	Diagnosis
M00029	Staphylococcal arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M00031	Staphylococcal arthritis, right wrist	ICD-10-CM	Diagnosis
M00032	Staphylococcal arthritis, left wrist	ICD-10-CM	Diagnosis
M00039	Staphylococcal arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M00041	Staphylococcal arthritis, right hand	ICD-10-CM	Diagnosis
M00042	Staphylococcal arthritis, left hand	ICD-10-CM	Diagnosis
M00049	Staphylococcal arthritis, unspecified hand	ICD-10-CM	Diagnosis
M00051	Staphylococcal arthritis, right hip	ICD-10-CM	Diagnosis
M00052	Staphylococcal arthritis, left hip	ICD-10-CM	Diagnosis
M00059	Staphylococcal arthritis, unspecified hip	ICD-10-CM	Diagnosis
M00061	Staphylococcal arthritis, right knee	ICD-10-CM	Diagnosis
M00062	Staphylococcal arthritis, left knee	ICD-10-CM	Diagnosis
M00069	Staphylococcal arthritis, unspecified knee	ICD-10-CM	Diagnosis
M00071	Staphylococcal arthritis, right ankle and foot	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M00072	Staphylococcal arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M00079	Staphylococcal arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0008	Staphylococcal arthritis, vertebrae	ICD-10-CM	Diagnosis
M0009	Staphylococcal polyarthritis	ICD-10-CM	Diagnosis
M0010	Pneumococcal arthritis, unspecified joint	ICD-10-CM	Diagnosis
M00111	Pneumococcal arthritis, right shoulder	ICD-10-CM	Diagnosis
M00112	Pneumococcal arthritis, left shoulder	ICD-10-CM	Diagnosis
M00119	Pneumococcal arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M00121	Pneumococcal arthritis, right elbow	ICD-10-CM	Diagnosis
M00122	Pneumococcal arthritis, left elbow	ICD-10-CM	Diagnosis
M00129	Pneumococcal arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M00131	Pneumococcal arthritis, right wrist	ICD-10-CM	Diagnosis
M00132	Pneumococcal arthritis, left wrist	ICD-10-CM	Diagnosis
M00139	Pneumococcal arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M00141	Pneumococcal arthritis, right hand	ICD-10-CM	Diagnosis
M00142	Pneumococcal arthritis, left hand	ICD-10-CM	Diagnosis
M00149	Pneumococcal arthritis, unspecified hand	ICD-10-CM	Diagnosis
M00151	Pneumococcal arthritis, right hip	ICD-10-CM	Diagnosis
M00152	Pneumococcal arthritis, left hip	ICD-10-CM	Diagnosis
M00159	Pneumococcal arthritis, unspecified hip	ICD-10-CM	Diagnosis
M00161	Pneumococcal arthritis, right knee	ICD-10-CM	Diagnosis
M00162	Pneumococcal arthritis, left knee	ICD-10-CM	Diagnosis
M00169	Pneumococcal arthritis, unspecified knee	ICD-10-CM	Diagnosis
M00171	Pneumococcal arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M00172	Pneumococcal arthritis, left ankle and foot	ICD-10-CM	Sdiagnosis
M00179	Pneumococcal arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0018	Pneumococcal arthritis, vertebrae	ICD-10-CM	Diagnosis
M0019	Pneumococcal polyarthritis	ICD-10-CM	Diagnosis
M0020	Other streptococcal arthritis, unspecified joint	ICD-10-CM	Diagnosis
M00211	Other streptococcal arthritis, right shoulder	ICD-10-CM	Diagnosis
M00212	Other streptococcal arthritis, left shoulder	ICD-10-CM	Diagnosis
M00219	Other streptococcal arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M00221	Other streptococcal arthritis, right elbow	ICD-10-CM	Diagnosis
M00222	Other streptococcal arthritis, left elbow	ICD-10-CM	Diagnosis
M00229	Other streptococcal arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M00231	Other streptococcal arthritis, right wrist	ICD-10-CM	Diagnosis
M00232	Other streptococcal arthritis, left wrist	ICD-10-CM	Diagnosis
M00239	Other streptococcal arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M00241	Other streptococcal arthritis, right hand	ICD-10-CM	Diagnosis
M00242	Other streptococcal arthritis, left hand	ICD-10-CM	Diagnosis
M00249	Other streptococcal arthritis, unspecified hand	ICD-10-CM	Diagnosis
M00251	Other streptococcal arthritis, right hip	ICD-10-CM	Diagnosis
M00252	Other streptococcal arthritis, left hip	ICD-10-CM	Diagnosis
M00259	Other streptococcal arthritis, unspecified hip	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M00261	Other streptococcal arthritis, right knee	ICD-10-CM	Diagnosis
M00262	Other streptococcal arthritis, left knee	ICD-10-CM	Diagnosis
M00269	Other streptococcal arthritis, unspecified knee	ICD-10-CM	Diagnosis
M00271	Other streptococcal arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M00272	Other streptococcal arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M00279	Other streptococcal arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0028	Other streptococcal arthritis, vertebrae	ICD-10-CM	Diagnosis
M0029	Other streptococcal polyarthritis	ICD-10-CM	Diagnosis
M041	Periodic fever syndromes	ICD-10-CM	Diagnosis
M4620	Osteomyelitis of vertebra, site unspecified	ICD-10-CM	Diagnosis
M4621	Osteomyelitis of vertebra, occipito-atlanto-axial region	ICD-10-CM	Diagnosis
M4622	Osteomyelitis of vertebra, cervical region	ICD-10-CM	Diagnosis
M4623	Osteomyelitis of vertebra, cervicothoracic region	ICD-10-CM	Diagnosis
M4624	Osteomyelitis of vertebra, thoracic region	ICD-10-CM	Diagnosis
M4625	Osteomyelitis of vertebra, thoracolumbar region	ICD-10-CM	Diagnosis
M4626	Osteomyelitis of vertebra, lumbar region	ICD-10-CM	Diagnosis
M4627	Osteomyelitis of vertebra, lumbosacral region	ICD-10-CM	Diagnosis
M4628	Osteomyelitis of vertebra, sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
M600	Infective myositis	ICD-10-CM	Diagnosis
M6000	Infective myositis, unspecified site	ICD-10-CM	Diagnosis
M60000	Infective myositis, unspecified right arm	ICD-10-CM	Diagnosis
M60001	Infective myositis, unspecified left arm	ICD-10-CM	Diagnosis
M60002	Infective myositis, unspecified arm	ICD-10-CM	Diagnosis
M60003	Infective myositis, unspecified right leg	ICD-10-CM	Diagnosis
M60004	Infective myositis, unspecified left leg	ICD-10-CM	Siagnosis
M60005	Infective myositis, unspecified leg	ICD-10-CM	Diagnosis
M60009	Infective myositis, unspecified site	ICD-10-CM	Diagnosis
M6001	Infective myositis, shoulder	ICD-10-CM	Diagnosis
M60011	Infective myositis, right shoulder	ICD-10-CM	Diagnosis
M60012	Infective myositis, left shoulder	ICD-10-CM	Diagnosis
M60019	Infective myositis, unspecified shoulder	ICD-10-CM	Diagnosis
M6002	Infective myositis, upper arm	ICD-10-CM	Diagnosis
M60021	Infective myositis, right upper arm	ICD-10-CM	Diagnosis
M60022	Infective myositis, left upper arm	ICD-10-CM	Diagnosis
M60029	Infective myositis, unspecified upper arm	ICD-10-CM	Diagnosis
M6003	Infective myositis, forearm	ICD-10-CM	Diagnosis
M60031	Infective myositis, right forearm	ICD-10-CM	Diagnosis
M60032	Infective myositis, left forearm	ICD-10-CM	Diagnosis
M60039	Infective myositis, unspecified forearm	ICD-10-CM	Diagnosis
M6004	Infective myositis, hand and fingers	ICD-10-CM	Diagnosis
M60041	Infective myositis, right hand	ICD-10-CM	Diagnosis
M60042	Infective myositis, left hand	ICD-10-CM	Diagnosis
M60043	Infective myositis, unspecified hand	ICD-10-CM	Diagnosis
M60044	Infective myositis, right finger(s)	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
M60045	Infective myositis, left finger(s)	ICD-10-CM	Diagnosis
M60046	Infective myositis, unspecified finger(s)	ICD-10-CM	Diagnosis
M6005	Infective myositis, thigh	ICD-10-CM	Diagnosis
M60051	Infective myositis, right thigh	ICD-10-CM	Diagnosis
M60052	Infective myositis, left thigh	ICD-10-CM	Diagnosis
M60059	Infective myositis, unspecified thigh	ICD-10-CM	Diagnosis
M6006	Infective myositis, lower leg	ICD-10-CM	Diagnosis
M60061	Infective myositis, right lower leg	ICD-10-CM	Diagnosis
M60062	Infective myositis, left lower leg	ICD-10-CM	Diagnosis
M60069	Infective myositis, unspecified lower leg	ICD-10-CM	Diagnosis
M6007	Infective myositis, ankle, foot and toes	ICD-10-CM	Diagnosis
M60070	Infective myositis, right ankle	ICD-10-CM	Diagnosis
M60071	Infective myositis, left ankle	ICD-10-CM	Diagnosis
M60072	Infective myositis, unspecified ankle	ICD-10-CM	Diagnosis
M60073	Infective myositis, right foot	ICD-10-CM	Diagnosis
M60074	Infective myositis, left foot	ICD-10-CM	Diagnosis
M60075	Infective myositis, unspecified foot	ICD-10-CM	Diagnosis
M60076	Infective myositis, right toe(s)	ICD-10-CM	Diagnosis
M60077	Infective myositis, left toe(s)	ICD-10-CM	Diagnosis
M60078	Infective myositis, unspecified toe(s)	ICD-10-CM	Diagnosis
M6008	Infective myositis, other site	ICD-10-CM	Diagnosis
M6009	Infective myositis, multiple sites	ICD-10-CM	Diagnosis
M726	Necrotizing fasciitis	ICD-10-CM	Diagnosis
M8600	Acute hematogenous osteomyelitis, unspecified site	ICD-10-CM	Diagnosis
M86011	Acute hematogenous osteomyelitis, right shoulder	ICD-10-CM	Sdiagnosis
M86012	Acute hematogenous osteomyelitis, left shoulder	ICD-10-CM	Diagnosis
M86019	Acute hematogenous osteomyelitis, unspecified shoulder	ICD-10-CM	Diagnosis
M86021	Acute hematogenous osteomyelitis, right humerus	ICD-10-CM	Diagnosis
M86022	Acute hematogenous osteomyelitis, left humerus	ICD-10-CM	Diagnosis
M86029	Acute hematogenous osteomyelitis, unspecified humerus	ICD-10-CM	Diagnosis
M86031	Acute hematogenous osteomyelitis, right radius and ulna	ICD-10-CM	Diagnosis
M86032	Acute hematogenous osteomyelitis, left radius and ulna	ICD-10-CM	Diagnosis
M86039	Acute hematogenous osteomyelitis, unsp radius and ulna	ICD-10-CM	Diagnosis
M86041	Acute hematogenous osteomyelitis, right hand	ICD-10-CM	Diagnosis
M86042	Acute hematogenous osteomyelitis, left hand	ICD-10-CM	Diagnosis
M86049	Acute hematogenous osteomyelitis, unspecified hand	ICD-10-CM	Diagnosis
M86051	Acute hematogenous osteomyelitis, right femur	ICD-10-CM	Diagnosis
M86052	Acute hematogenous osteomyelitis, left femur	ICD-10-CM	Diagnosis
M86059	Acute hematogenous osteomyelitis, unspecified femur	ICD-10-CM	Diagnosis
M86061	Acute hematogenous osteomyelitis, right tibia and fibula	ICD-10-CM	Diagnosis
M86062	Acute hematogenous osteomyelitis, left tibia and fibula	ICD-10-CM	Diagnosis
M86069	Acute hematogenous osteomyelitis, unsp tibia and fibula	ICD-10-CM	Diagnosis
M86071	Acute hematogenous osteomyelitis, right ankle and foot	ICD-10-CM	Diagnosis
M86072	Acute hematogenous osteomyelitis, left ankle and foot	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M86079	Acute hematogenous osteomyelitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M8608	Acute hematogenous osteomyelitis, other sites	ICD-10-CM	Diagnosis
M8609	Acute hematogenous osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M861	Other acute osteomyelitis	ICD-10-CM	Diagnosis
M8610	Other acute osteomyelitis, unspecified site	ICD-10-CM	Diagnosis
M8611	Other acute osteomyelitis, shoulder	ICD-10-CM	Diagnosis
M86111	Other acute osteomyelitis, right shoulder	ICD-10-CM	Diagnosis
M86112	Other acute osteomyelitis, left shoulder	ICD-10-CM	Diagnosis
M86119	Other acute osteomyelitis, unspecified shoulder	ICD-10-CM	Diagnosis
M8612	Other acute osteomyelitis, humerus	ICD-10-CM	Diagnosis
M86121	Other acute osteomyelitis, right humerus	ICD-10-CM	Diagnosis
M86122	Other acute osteomyelitis, left humerus	ICD-10-CM	Diagnosis
M86129	Other acute osteomyelitis, unspecified humerus	ICD-10-CM	Diagnosis
M8613	Other acute osteomyelitis, radius and ulna	ICD-10-CM	Diagnosis
M86131	Other acute osteomyelitis, right radius and ulna	ICD-10-CM	Diagnosis
M86132	Other acute osteomyelitis, left radius and ulna	ICD-10-CM	Diagnosis
M86139	Other acute osteomyelitis, unspecified radius and ulna	ICD-10-CM	Diagnosis
M8614	Other acute osteomyelitis, hand	ICD-10-CM	Diagnosis
M86141	Other acute osteomyelitis, right hand	ICD-10-CM	Diagnosis
M86142	Other acute osteomyelitis, left hand	ICD-10-CM	Diagnosis
M86149	Other acute osteomyelitis, unspecified hand	ICD-10-CM	Diagnosis
M8615	Other acute osteomyelitis, femur	ICD-10-CM	Diagnosis
M86151	Other acute osteomyelitis, right femur	ICD-10-CM	Diagnosis
M86152	Other acute osteomyelitis, left femur	ICD-10-CM	Diagnosis
M86159	Other acute osteomyelitis, unspecified femur	ICD-10-CM	Seagnosis
M8616	Other acute osteomyelitis, tibia and fibula	ICD-10-CM	Diagnosis
M86161	Other acute osteomyelitis, right tibia and fibula	ICD-10-CM	Diagnosis
M86162	Other acute osteomyelitis, left tibia and fibula	ICD-10-CM	Diagnosis
M86169	Other acute osteomyelitis, unspecified tibia and fibula	ICD-10-CM	Diagnosis
M8617	Other acute osteomyelitis, ankle and foot	ICD-10-CM	Diagnosis
M86171	Other acute osteomyelitis, right ankle and foot	ICD-10-CM	Diagnosis
M86172	Other acute osteomyelitis, left ankle and foot	ICD-10-CM	Diagnosis
M86179	Other acute osteomyelitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M8618	Other acute osteomyelitis, other site	ICD-10-CM	Diagnosis
M8619	Other acute osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M8620	Subacute osteomyelitis, unspecified site	ICD-10-CM	Diagnosis
M86211	Subacute osteomyelitis, right shoulder	ICD-10-CM	Diagnosis
M86212	Subacute osteomyelitis, left shoulder	ICD-10-CM	Diagnosis
M86219	Subacute osteomyelitis, unspecified shoulder	ICD-10-CM	Diagnosis
M86221	Subacute osteomyelitis, right humerus	ICD-10-CM	Diagnosis
M86222	Subacute osteomyelitis, left humerus	ICD-10-CM	Diagnosis
M86229	Subacute osteomyelitis, unspecified humerus	ICD-10-CM	Diagnosis
M86231	Subacute osteomyelitis, right radius and ulna	ICD-10-CM	Diagnosis
M86232	Subacute osteomyelitis, left radius and ulna	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M86239	Subacute osteomyelitis, unspecified radius and ulna	ICD-10-CM	Diagnosis
M86241	Subacute osteomyelitis, right hand	ICD-10-CM	Diagnosis
M86242	Subacute osteomyelitis, left hand	ICD-10-CM	Diagnosis
M86249	Subacute osteomyelitis, unspecified hand	ICD-10-CM	Diagnosis
M86251	Subacute osteomyelitis, right femur	ICD-10-CM	Diagnosis
M86252	Subacute osteomyelitis, left femur	ICD-10-CM	Diagnosis
M86259	Subacute osteomyelitis, unspecified femur	ICD-10-CM	Diagnosis
M86261	Subacute osteomyelitis, right tibia and fibula	ICD-10-CM	Diagnosis
M86262	Subacute osteomyelitis, left tibia and fibula	ICD-10-CM	Diagnosis
M86269	Subacute osteomyelitis, unspecified tibia and fibula	ICD-10-CM	Diagnosis
M86271	Subacute osteomyelitis, right ankle and foot	ICD-10-CM	Diagnosis
M86272	Subacute osteomyelitis, left ankle and foot	ICD-10-CM	Diagnosis
M86279	Subacute osteomyelitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M8628	Subacute osteomyelitis, other site	ICD-10-CM	Diagnosis
M8629	Subacute osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M868X0	Other osteomyelitis, multiple sites	ICD-10-CM	Diagnosis
M868X1	Other osteomyelitis, shoulder	ICD-10-CM	Diagnosis
M868X2	Other osteomyelitis, upper arm	ICD-10-CM	Diagnosis
M868X3	Other osteomyelitis, forearm	ICD-10-CM	Diagnosis
M868X4	Other osteomyelitis, hand	ICD-10-CM	Diagnosis
M868X5	Other osteomyelitis, thigh	ICD-10-CM	Diagnosis
M868X6	Other osteomyelitis, lower leg	ICD-10-CM	Diagnosis
M868X7	Other osteomyelitis, ankle and foot	ICD-10-CM	Diagnosis
M868X8	Other osteomyelitis, other site	ICD-10-CM	Diagnosis
M868X9	Other osteomyelitis, unspecified sites	ICD-10-CM	Sentinel
M869	Osteomyelitis, unspecified	ICD-10-CM	Diagnosis
N10	Acute pyelonephritis	ICD-10-CM	Diagnosis
N16	Renal tubulo-interstitial disorders in diseases classified elsewhere	ICD-10-CM	Diagnosis
N340	Urethral abscess	ICD-10-CM	Diagnosis
N390	Urinary tract infection, site not specified	ICD-10-CM	Diagnosis
N4821	Abscess of corpus cavernosum and penis	ICD-10-CM	Diagnosis
N4822	Cellulitis of corpus cavernosum and penis	ICD-10-CM	Diagnosis
N610	Mastitis without abscess	ICD-10-CM	Diagnosis
N611	Abscess of the breast and nipple	ICD-10-CM	Diagnosis
N730	Acute parametritis and pelvic cellulitis	ICD-10-CM	Diagnosis
N732	Unspecified parametritis and pelvic cellulitis	ICD-10-CM	Diagnosis
P350	Congenital rubella syndrome	ICD-10-CM	Diagnosis
P351	Congenital cytomegalovirus infection	ICD-10-CM	Diagnosis
P352	Congenital herpesviral [herpes simplex] infection	ICD-10-CM	Diagnosis
P353	Congenital viral hepatitis	ICD-10-CM	Diagnosis
P358	Other congenital viral diseases	ICD-10-CM	Diagnosis
P359	Congenital viral disease, unspecified	ICD-10-CM	Diagnosis
P360	Sepsis of newborn due to streptococcus, group B	ICD-10-CM	Diagnosis
P3610	Sepsis of newborn due to unspecified streptococci	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
P3619	Sepsis of newborn due to other streptococci	ICD-10-CM	Diagnosis
P362	Sepsis of newborn due to Staphylococcus aureus	ICD-10-CM	Diagnosis
P3630	Sepsis of newborn due to unspecified staphylococci	ICD-10-CM	Diagnosis
P3639	Sepsis of newborn due to other staphylococci	ICD-10-CM	Diagnosis
P364	Sepsis of newborn due to Escherichia coli	ICD-10-CM	Diagnosis
P365	Sepsis of newborn due to anaerobes	ICD-10-CM	Diagnosis
P368	Other bacterial sepsis of newborn	ICD-10-CM	Diagnosis
P369	Bacterial sepsis of newborn, unspecified	ICD-10-CM	Diagnosis
P370	Congenital tuberculosis	ICD-10-CM	Diagnosis
P371	Congenital toxoplasmosis	ICD-10-CM	Diagnosis
P372	Neonatal (disseminated) listeriosis	ICD-10-CM	Diagnosis
P373	Congenital falciparum malaria	ICD-10-CM	Diagnosis
P374	Other congenital malaria	ICD-10-CM	Diagnosis
P375	Neonatal candidiasis	ICD-10-CM	Diagnosis
P378	Other specified congenital infectious and parasitic diseases	ICD-10-CM	Diagnosis
P379	Congenital infectious or parasitic disease, unspecified	ICD-10-CM	Diagnosis
P381	Omphalitis with mild hemorrhage	ICD-10-CM	Diagnosis
P389	Omphalitis without hemorrhage	ICD-10-CM	Diagnosis
P390	Neonatal infective mastitis	ICD-10-CM	Diagnosis
P391	Neonatal conjunctivitis and dacryocystitis	ICD-10-CM	Diagnosis
P392	Intra-amniotic infection affecting newborn, NEC	ICD-10-CM	Diagnosis
P393	Neonatal urinary tract infection	ICD-10-CM	Diagnosis
P394	Neonatal skin infection	ICD-10-CM	Diagnosis
P398	Other specified infections specific to the perinatal period	ICD-10-CM	Diagnosis
P399	Infection specific to the perinatal period, unspecified	ICD-10-CM	Diagnosis
R502	Drug induced fever	ICD-10-CM	Diagnosis
R5081	Fever presenting with conditions classified elsewhere	ICD-10-CM	Diagnosis
R509	Fever, unspecified	ICD-10-CM	Diagnosis
R6520	Severe sepsis without septic shock	ICD-10-CM	Diagnosis
R6521	Severe sepsis with septic shock	ICD-10-CM	Diagnosis
R7881	Bacteremia	ICD-10-CM	Diagnosis
Antimicrobial Use			
94642	Aerosol inhalation of pentamidine for pneumocystis carinii pneumonia treatment or prophylaxis	CPT-4	Procedure
99563	Home administration of aerosolized pentamidine, per visit	CPT-4	Procedure
4041F	Documentation of order for cefazolin OR cefuroxime for antimicrobial prophylaxis (PERI 2)	CPT-4 Category II	Procedure
4047F	Documentation of order for prophylactic parenteral antibiotics to be given within 1 hour (if fluoroquinolone or vancomycin, 2 hours) prior to surgical incision (or start of procedure when no incision is required) (PERI 2)	CPT-4 Category II	Procedure
4048F	Documentation that administration of prophylactic parenteral antibiotic was initiated within 1 hour (if fluoroquinolone or vancomycin, 2 hours) prior to surgical incision (or start of procedure when no incision is required) as ordered (PERI 2)	CPT-4 Category II	Procedure

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
4153F	Combination peginterferon and ribavirin therapy prescribed (HEP-C)	CPT-4 Category II	Procedure
C1024	Quinopristin/dalfopristin, 10ml, synercid iv	HCPCS	Procedure
C9001	Linezolid injection, per 200mg	HCPCS	Procedure
C9019	Injection, caspofungin acetate, 5 mg	HCPCS	Procedure
C9116	Injection, ertapenem sodium, per 1 gram vial	HCPCS	Procedure
C9124	Injection, daptomycin, per 1 mg	HCPCS	Procedure
C9227	Injection, micafungin sodium, per 1 mg	HCPCS	Procedure
C9228	Injection, tigecycline, per 1 mg	HCPCS	Procedure
C9241	Injection, doripenem, 10 mg	HCPCS	Procedure
C9258	Injection, telavancin, 10 mg	HCPCS	Procedure
C9282	Injection, ceftaroline fosamil, 10 mg	HCPCS	Procedure
C9412	Ganciclovir, 4.5 mg, long-acting implant, brand name	HCPCS	Procedure
C9443	Injection, dalbavancin, 10 mg	HCPCS	Procedure
C9446	Injection, tedizolid phosphate, 1 mg	HCPCS	Procedure
C9451	Injection, peramivir, 1 mg	HCPCS	Procedure
C9452	Injection, ceftolozane 50 mg and tazobactam 25 mg	HCPCS	Procedure
C9456	Injection, isavuconazonium sulfate, 1 mg	HCPCS	Procedure
G8152	Patient documented to have received antibiotic prophylaxis one hour prior to incision time (2 hours for vancomycin)	HCPCS	Procedure
G8191	Clinician documented to have given order for prophylactic antibiotic to be given within one hour (if vancomycin, two hours) prior to surgical incision (or start of procedure when no incision is required)	HCPCS	Procedure
G8192	Clinician documented to have given the prophylactic antibiotic within one hour (if vancomycin, two hours) prior to the surgical incision (or start of procedure when no incision is required)	HCPCS	Procedure
G8195	Clinician documented to have given the prophylactic antibiotic within one hour (if vancomycin, two hours) prior to the surgical incision (or start of procedure when no incision is required)	HCPCS	Procedure
G8197	Patient documented to have order for prophylactic antibiotic to be given within one hour (if vancomycin, two hours) prior to surgical incision (or start of procedure when no incision is required)	HCPCS	Procedure
G8198	Patient documented to have order for cefazolin or cefuroxime for antimicrobial prophylaxis	HCPCS	Procedure
G8199	Clinician documented to have given cefazolin or cefuroxime for antimicrobial prophylaxis	HCPCS	Procedure
G8503	Documentation that prophylactic antibiotic was given within one hour (if fluoroquinolone or vancomycin, two hours) prior to surgical incision (or start of procedure when no incision is required)	HCPCS	Procedure
G8504	Documentation of order for prophylactic antibiotics to be given within one hour (if fluoroquinolone or vancomycin, two hours) prior to surgical incision (or start of procedure when no incision is required)	HCPCS	Procedure
G8527	Documentation of order for cefazolin or cefuroxime for antimicrobial prophylaxis	HCPCS	Procedure

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Code	Description	Code Type	Code Category
G8629	Documentation of order for prophylactic parenteral antibiotic to be given within one hour (if fluoroquinolone or vancomycin, 2 hours) prior to surgical incision (or start of procedure when no incision is required)	HCPCS	Procedure
G8630	Documentation that administration of prophylactic parenteral antibiotics was initiated within one hour (if fluoroquinolone or vancomycin, 2 hours) prior to surgical incision (or start of procedure when no incision is required), as ordered	HCPCS	Procedure
G9018	Zanamivir, inhalation powder, administered through inhaler, per 10 mg (for use in a Medicare-approved demonstration project)	HCPCS	Procedure
G9019	Oseltamivir phosphate, oral, per 75 mg (for use in a Medicare-approved demonstration project)	HCPCS	Procedure
G9020	Rimantadine HCl, oral, per 100 mg (for use in a Medicare-approved demonstration project)	HCPCS	Procedure
G9034	Zanamivir, inhalation powder, administered through inhaler, brand, per 10 mg (for use in a Medicare-approved demonstration project)	HCPCS	Procedure
G9035	Oseltamivir phosphate, oral, brand, per 75 mg (for use in a Medicare-approved demonstration project)	HCPCS	Procedure
G9036	Rimantadine HCl, oral, brand, per 100 mg (for use in a Medicare-approved demonstration project)	HCPCS	Procedure
G9315	Documentation amoxicillin, with or without clavulanate, prescribed as a first line antibiotic at the time of diagnosis	HCPCS	Procedure
J0120	Injection, tetracycline, up to 250 mg	HCPCS	Procedure
J0133	Injection, acyclovir, 5 mg	HCPCS	Procedure
J0200	Injection, alatrofloxacin mesylate, 100 mg	HCPCS	Procedure
J0278	Injection, amikacin sulfate, 100 mg	HCPCS	Procedure
J0285	Injection, amphotericin B, 50 mg	HCPCS	Procedure
J0286	Injection, amphotericin b, any lipid formulation, 50 mg	HCPCS	Procedure
J0287	Injection, amphotericin B lipid complex, 10 mg	HCPCS	Procedure
J0288	Injection, amphotericin B cholesteryl sulfate complex, 10 mg	HCPCS	Procedure
J0289	Injection, amphotericin B liposome, 10 mg	HCPCS	Procedure
J0290	Injection, ampicillin sodium, 500 mg	HCPCS	Procedure
J0295	Injection, ampicillin sodium/sulbactam sodium, per 1.5 g	HCPCS	Procedure
J0348	Injection, anidulafungin, 1 mg	HCPCS	Procedure
J0390	Injection, chloroquine HCl, up to 250 mg	HCPCS	Procedure
J0456	Injection, azithromycin, 500 mg	HCPCS	Procedure
J0530	Injection, penicillin G benzathine and penicillin G procaine, up to 600,000 units	HCPCS	Procedure
J0540	Injection, penicillin G benzathine and penicillin G procaine, up to 1,200,000 units	HCPCS	Procedure
J0550	Injection, penicillin G benzathine and penicillin G procaine, up to 2,400,000 units	HCPCS	Procedure
J0558	Injection, penicillin G benzathine and penicillin G procaine, 100,000 units	HCPCS	Procedure
J0559	Injection, penicillin G benzathine and penicillin G procaine, 2500 units	HCPCS	Procedure

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Code	Description	Code Type	Code Category
J0560	Injection, penicillin G benzathine, up to 600,000 units	HCPCS	Procedure
J0561	Injection, penicillin G benzathine, 100,000 units	HCPCS	Procedure
J0580	Injection, penicillin G benzathine, up to 2,400,000 units	HCPCS	Procedure
J0637	Injection, caspofungin acetate, 5 mg	HCPCS	Procedure
J0690	Injection, cefazolin sodium, 500 mg	HCPCS	Procedure
J0692	Injection, cefepime HCl, 500 mg	HCPCS	Procedure
J0694	Injection, cefoxitin sodium, 1 g	HCPCS	Procedure
J0695	Injection, ceftolozane 50 mg and tazobactam 25 mg	HCPCS	Procedure
J0696	Injection, ceftriaxone sodium, per 250 mg	HCPCS	Procedure
J0697	Injection, sterile cefuroxime sodium, per 750 mg	HCPCS	Procedure
J0698	Injection, cefotaxime sodium, per g	HCPCS	Procedure
J0712	Injection, ceftaroline fosamil, 10 mg	HCPCS	Procedure
J0713	Injection, ceftazidime, per 500 mg	HCPCS	Procedure
J0714	Injection, ceftazidime and avibactam, 0.5 g/0.125 g	HCPCS	Procedure
J0720	Injection, chloramphenicol sodium succinate, up to 1 g	HCPCS	Procedure
J0743	Injection, cilastatin sodium; imipenem, per 250 mg	HCPCS	Procedure
J0744	Injection, ciprofloxacin for intravenous infusion, 200 mg	HCPCS	Procedure
J0875	Injection, dalbavancin, 5 mg	HCPCS	Procedure
J0878	Injection, daptomycin, 1 mg	HCPCS	Procedure
J1267	Injection, doripenem, 10 mg	HCPCS	Procedure
J1335	Injection, ertapenem sodium, 500 mg	HCPCS	Procedure
J1362	Injection, erythromycin gluceptate, per 250 mg	HCPCS	Procedure
J1364	Injection, erythromycin lactobionate, per 500 mg	HCPCS	Procedure
J1450	Injection, fluconazole, 200 mg	HCPCS	Procedure
J1455	Injection, foscarnet sodium, per 1,000 mg	HCPCS	Procedure
J1570	Injection, ganciclovir sodium, 500 mg	HCPCS	Procedure
J1580	Injection, garamycin, gentamicin, up to 80 mg	HCPCS	Procedure
J1833	Injection, isavuconazonium, 1 mg	HCPCS	Procedure
J1835	Injection, itraconazole, 50 mg	HCPCS	Procedure
J2020	Injection, linezolid, 200 mg	HCPCS	Procedure
J2185	Injection, meropenem, 100 mg	HCPCS	Procedure
J2248	Injection, micafungin sodium, 1 mg	HCPCS	Procedure
J2265	Injection, minocycline HCl, 1 mg	HCPCS	Procedure
J2280	Injection, moxifloxacin, 100 mg	HCPCS	Procedure
J2460	Injection, oxytetracycline HCl, up to 50 mg	HCPCS	Procedure
J2510	Injection, penicillin G procaine, aqueous, up to 600,000 units	HCPCS	Procedure
J2540	Injection, penicillin G potassium, up to 600,000 units	HCPCS	Procedure
J2543	Injection, piperacillin sodium/tazobactam sodium, 1 g/0.125 g (1.125 g)	HCPCS	Procedure
J2545	Pentamidine isethionate, inhalation solution, FDA-approved final product, noncompounded, administered through DME, unit dose form, per 300 mg	HCPCS	Procedure
J2547	Injection, peramivir, 1 mg	HCPCS	Procedure
J2700	Injection, oxacillin sodium, up to 250 mg	HCPCS	Procedure
J2770	Injection, quinupristin/dalfopristin, 500 mg (150/350)	HCPCS	Procedure
J3000	Injection, streptomycin, up to 1 g	HCPCS	Procedure
J3090	Injection, tedizolid phosphate, 1 mg	HCPCS	Procedure
J3095	Injection, telavancin, 10 mg	HCPCS	Procedure

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Code	Description	Code Type	Code Category
J3243	Injection, tigecycline, 1 mg	HCPCS	Procedure
J3260	Injection, tobramycin sulfate, up to 80 mg	HCPCS	Procedure
J3370	Injection, vancomycin HCl, 500 mg	HCPCS	Procedure
J3465	Injection, voriconazole, 10 mg	HCPCS	Procedure
J7310	Ganciclovir, 4.5 mg, long-acting implant	HCPCS	Procedure
J7676	Pentamidine isethionate, inhalation solution, compounded product, administered through DME, unit dose form, per 300 mg	HCPCS	Procedure
J7682	Tobramycin, inhalation solution, FDA-approved final product, noncompounded, unit dose form, administered through DME, per 300 mg	HCPCS	Procedure
J7685	Tobramycin, inhalation solution, compounded product, administered through DME, unit dose form, per 300 mg	HCPCS	Procedure
K0453	INJ AMPHOTERICIN B 50 MG	HCPCS	Procedure
Q0144	Azithromycin dihydrate, oral, capsules/powder, 1 g	HCPCS	Procedure
Q4075	Injection, acyclovir, 5 mg	HCPCS	Procedure
S0016	Injection, amikacin sulfate, 500 mg	HCPCS	Procedure
S0024	Injection, ciprofloxacin, 200 mg	HCPCS	Procedure
S0029	Injection, fluconazole, 400 mg	HCPCS	Procedure
S0030	Injection, metronidazole, 500 mg	HCPCS	Procedure
S0032	Injection, nafcillin sodium, 2 g	HCPCS	Procedure
S0034	Injection, ofloxacin, 400 mg	HCPCS	Procedure
S0039	Injection, sulfamethoxazole and trimethoprim, 10 ml	HCPCS	Procedure
S0040	Injection, ticarcillin disodium and clavulanate potassium, 3.1 g	HCPCS	Procedure
S0071	Injection, acyclovir sodium, 50 mg	HCPCS	Procedure
S0072	Injection, amikacin sulfate, 100 mg	HCPCS	Procedure
S0073	Injection, aztreonam, 500 mg	HCPCS	Procedure
S0077	Injection, clindamycin phosphate, 300 mg	HCPCS	Procedure
S0080	Injection, pentamidine isethionate, 300 mg	HCPCS	Procedure
S0081	Injection, piperacillin sodium, 500 mg	HCPCS	Procedure
S0096	Injection, itraconazole, 200 mg	HCPCS	Procedure
S0143	Aztreonam, inhalation solution administered through DME, concentrated form, per g	HCPCS	Procedure

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Code	Description	Code Type	Code Category
	Inflammatory Bowel Disease		
5550	Regional enteritis of small intestine	ICD-09-CM	Diagnosis
5551	Regional enteritis of large intestine	ICD-09-CM	Diagnosis
5552	Regional enteritis of small intestine with large intestine	ICD-09-CM	Diagnosis
5559	Regional enteritis of unspecified site	ICD-09-CM	Diagnosis
K5000	Crohn's disease of small intestine without complications	ICD-10-CM	Diagnosis
K50011	Crohn's disease of small intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50012	Crohn's disease of small intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50013	Crohn's disease of small intestine with fistula	ICD-10-CM	Diagnosis
K50014	Crohn's disease of small intestine with abscess	ICD-10-CM	Diagnosis
K50018	Crohn's disease of small intestine with other complication	ICD-10-CM	Diagnosis
K50019	Crohn's disease of small intestine with unspecified complications	ICD-10-CM	Diagnosis
K5010	Crohn's disease of large intestine without complications	ICD-10-CM	Diagnosis
K50111	Crohn's disease of large intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50112	Crohn's disease of large intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50113	Crohn's disease of large intestine with fistula	ICD-10-CM	Diagnosis
K50114	Crohn's disease of large intestine with abscess	ICD-10-CM	Diagnosis
K50118	Crohn's disease of large intestine with other complication	ICD-10-CM	Diagnosis
K50119	Crohn's disease of large intestine with unspecified complications	ICD-10-CM	Diagnosis
K5080	Crohn's disease of both small and large intestine without complications	ICD-10-CM	Diagnosis
K50811	Crohn's disease of both small and large intestine with rectal bleeding	ICD-10-CM	Diagnosis
K50812	Crohn's disease of both small and large intestine with intestinal obstruction	ICD-10-CM	Diagnosis
K50813	Crohn's disease of both small and large intestine with fistula	ICD-10-CM	Diagnosis
K50814	Crohn's disease of both small and large intestine with abscess	ICD-10-CM	Diagnosis
K50818	Crohn's disease of both small and large intestine with other complication	ICD-10-CM	Diagnosis
K50819	Crohn's disease of both small and large intestine with unspecified complications	ICD-10-CM	Diagnosis
K5090	Crohn's disease, unspecified, without complications	ICD-10-CM	Diagnosis
K50911	Crohn's disease, unspecified, with rectal bleeding	ICD-10-CM	Diagnosis
K50912	Crohn's disease, unspecified, with intestinal obstruction	ICD-10-CM	Diagnosis
K50913	Crohn's disease, unspecified, with fistula	ICD-10-CM	Diagnosis
K50914	Crohn's disease, unspecified, with abscess	ICD-10-CM	Diagnosis
K50918	Crohn's disease, unspecified, with other complication	ICD-10-CM	Diagnosis
K50919	Crohn's disease, unspecified, with unspecified complications	ICD-10-CM	Diagnosis
5560	Ulcerative (chronic) enterocolitis	ICD-09-CM	Diagnosis
5561	Ulcerative (chronic) ileocolitis	ICD-09-CM	Diagnosis
5562	Ulcerative (chronic) proctitis	ICD-09-CM	Diagnosis
5563	Ulcerative (chronic) proctosigmoiditis	ICD-09-CM	Diagnosis
5564	Pseudopolyposis of colon	ICD-09-CM	Diagnosis
5565	Left-sided ulcerative (chronic) colitis	ICD-09-CM	Diagnosis
5566	Universal ulcerative (chronic) colitis	ICD-09-CM	Diagnosis
5568	Other ulcerative colitis	ICD-09-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
5569	Ulcerative colitis, unspecified	ICD-09-CM	Diagnosis
K5100	Ulcerative (chronic) pancolitis without complications	ICD-10-CM	Diagnosis
K51011	Ulcerative (chronic) pancolitis with rectal bleeding	ICD-10-CM	Diagnosis
K51012	Ulcerative (chronic) pancolitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51013	Ulcerative (chronic) pancolitis with fistula	ICD-10-CM	Diagnosis
K51014	Ulcerative (chronic) pancolitis with abscess	ICD-10-CM	Diagnosis
K51018	Ulcerative (chronic) pancolitis with other complication	ICD-10-CM	Diagnosis
K51019	Ulcerative (chronic) pancolitis with unspecified complications	ICD-10-CM	Diagnosis
K5120	Ulcerative (chronic) proctitis without complications	ICD-10-CM	Diagnosis
K51211	Ulcerative (chronic) proctitis with rectal bleeding	ICD-10-CM	Diagnosis
K51212	Ulcerative (chronic) proctitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51213	Ulcerative (chronic) proctitis with fistula	ICD-10-CM	Diagnosis
K51214	Ulcerative (chronic) proctitis with abscess	ICD-10-CM	Diagnosis
K51218	Ulcerative (chronic) proctitis with other complication	ICD-10-CM	Diagnosis
K51219	Ulcerative (chronic) proctitis with unspecified complications	ICD-10-CM	Diagnosis
K5130	Ulcerative (chronic) rectosigmoiditis without complications	ICD-10-CM	Diagnosis
K51311	Ulcerative (chronic) rectosigmoiditis with rectal bleeding	ICD-10-CM	Diagnosis
K51312	Ulcerative (chronic) rectosigmoiditis with intestinal obstruction	ICD-10-CM	Diagnosis
K51313	Ulcerative (chronic) rectosigmoiditis with fistula	ICD-10-CM	Diagnosis
K51314	Ulcerative (chronic) rectosigmoiditis with abscess	ICD-10-CM	Diagnosis
K51318	Ulcerative (chronic) rectosigmoiditis with other complication	ICD-10-CM	Diagnosis
K51319	Ulcerative (chronic) rectosigmoiditis with unspecified complications	ICD-10-CM	Diagnosis
K5140	Inflammatory polyps of colon without complications	ICD-10-CM	Diagnosis
K51411	Inflammatory polyps of colon with rectal bleeding	ICD-10-CM	Diagnosis
K51412	Inflammatory polyps of colon with intestinal obstruction	ICD-10-CM	Diagnosis
K51413	Inflammatory polyps of colon with fistula	ICD-10-CM	Diagnosis
K51414	Inflammatory polyps of colon with abscess	ICD-10-CM	Diagnosis
K51418	Inflammatory polyps of colon with other complication	ICD-10-CM	Diagnosis
K51419	Inflammatory polyps of colon with unspecified complications	ICD-10-CM	Diagnosis
K5150	Left sided colitis without complications	ICD-10-CM	Diagnosis
K51511	Left sided colitis with rectal bleeding	ICD-10-CM	Diagnosis
K51512	Left sided colitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51513	Left sided colitis with fistula	ICD-10-CM	Diagnosis
K51514	Left sided colitis with abscess	ICD-10-CM	Diagnosis
K51518	Left sided colitis with other complication	ICD-10-CM	Diagnosis
K51519	Left sided colitis with unspecified complications	ICD-10-CM	Diagnosis
K5180	Other ulcerative colitis without complications	ICD-10-CM	Diagnosis
K51811	Other ulcerative colitis with rectal bleeding	ICD-10-CM	Diagnosis
K51812	Other ulcerative colitis with intestinal obstruction	ICD-10-CM	Diagnosis
K51813	Other ulcerative colitis with fistula	ICD-10-CM	Diagnosis
K51814	Other ulcerative colitis with abscess	ICD-10-CM	Diagnosis
K51818	Other ulcerative colitis with other complication	ICD-10-CM	Diagnosis
K51819	Other ulcerative colitis with unspecified complications	ICD-10-CM	Diagnosis
K5190	Ulcerative colitis, unspecified, without complications	ICD-10-CM	Diagnosis
K51911	Ulcerative colitis, unspecified with rectal bleeding	ICD-10-CM	Diagnosis
K51912	Ulcerative colitis, unspecified with intestinal obstruction	ICD-10-CM	Diagnosis
K51913	Ulcerative colitis, unspecified with fistula	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
K51914	Ulcerative colitis, unspecified with abscess	ICD-10-CM	Diagnosis
K51918	Ulcerative colitis, unspecified with other complication	ICD-10-CM	Diagnosis
K51919	Ulcerative colitis, unspecified with unspecified complications	ICD-10-CM	Diagnosis
K5931	Toxic megacolon	ICD-10-CM	Diagnosis
Psoriasis			
6960	Psoriatic arthropathy	ICD-09-CM	Diagnosis
L4050	Arthropathic psoriasis, unspecified	ICD-10-CM	Diagnosis
L4051	Distal interphalangeal psoriatic arthropathy	ICD-10-CM	Diagnosis
L4052	Psoriatic arthritis mutilans	ICD-10-CM	Diagnosis
L4054	Psoriatic juvenile arthropathy	ICD-10-CM	Diagnosis
L4059	Other psoriatic arthropathy	ICD-10-CM	Diagnosis
6961	Other psoriasis	ICD-09-CM	Diagnosis
6968	Other psoriasis and similar disorders	ICD-09-CM	Diagnosis
L400	Psoriasis vulgaris	ICD-10-CM	Diagnosis
L401	Generalized pustular psoriasis	ICD-10-CM	Diagnosis
L402	Acrodermatitis continua	ICD-10-CM	Diagnosis
L403	Pustulosis palmaris et plantaris	ICD-10-CM	Diagnosis
L404	Guttate psoriasis	ICD-10-CM	Diagnosis
L4053	Psoriatic spondylitis	ICD-10-CM	Diagnosis
L408	Other psoriasis	ICD-10-CM	Diagnosis
L409	Psoriasis, unspecified	ICD-10-CM	Diagnosis
Rheumatological Condition			
7200	Ankylosing spondylitis	ICD-09-CM	Diagnosis
M081	Juvenile ankylosing spondylitis	ICD-10-CM	Diagnosis
M450	Ankylosing spondylitis of multiple sites in spine	ICD-10-CM	Diagnosis
M451	Ankylosing spondylitis of occipito-atlanto-axial region	ICD-10-CM	Diagnosis
M452	Ankylosing spondylitis of cervical region	ICD-10-CM	Diagnosis
M453	Ankylosing spondylitis of cervicothoracic region	ICD-10-CM	Diagnosis
M454	Ankylosing spondylitis of thoracic region	ICD-10-CM	Diagnosis
M455	Ankylosing spondylitis of thoracolumbar region	ICD-10-CM	Diagnosis
M456	Ankylosing spondylitis lumbar region	ICD-10-CM	Diagnosis
M457	Ankylosing spondylitis of lumbosacral region	ICD-10-CM	Diagnosis
M458	Ankylosing spondylitis sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
M459	Ankylosing spondylitis of unspecified sites in spine	ICD-10-CM	Diagnosis
M48.8X1	Other specified spondylopathies, occipito-atlanto-axial region	ICD-10-CM	Diagnosis
M48.8X2	Other specified spondylopathies, cervical region	ICD-10-CM	Diagnosis
M48.8X3	Other specified spondylopathies, cervicothoracic region	ICD-10-CM	Diagnosis
M48.8X4	Other specified spondylopathies, thoracic region	ICD-10-CM	Diagnosis
M48.8X5	Other specified spondylopathies, thoracolumbar region	ICD-10-CM	Diagnosis
M48.8X6	Other specified spondylopathies, lumbar region	ICD-10-CM	Diagnosis
M48.8X7	Other specified spondylopathies, lumbosacral region	ICD-10-CM	Diagnosis
M48.8X8	Other specified spondylopathies, sacral and sacrococcygeal region	ICD-10-CM	Diagnosis
M48.8X9	Other specified spondylopathies, site unspecified	ICD-10-CM	Diagnosis
75989	Other specified congenital anomalies	ICD-09-CM	Diagnosis
M042	Cryopyrin-associated periodic syndromes	ICD-10-CM	Diagnosis
71430	Polyarticular juvenile rheumatoid arthritis, chronic or unspecified	ICD-09-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
71431	Polyarticular juvenile rheumatoid arthritis, acute	ICD-09-CM	Diagnosis
71432	Pauciarticular juvenile rheumatoid arthritis	ICD-09-CM	Diagnosis
71433	Monoarticular juvenile rheumatoid arthritis	ICD-09-CM	Diagnosis
M0800	Unspecified juvenile rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M08011	Unspecified juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
M08012	Unspecified juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
M08019	Unspecified juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M08021	Unspecified juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
M08022	Unspecified juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
M08029	Unspecified juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M08031	Unspecified juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
M08032	Unspecified juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
M08039	Unspecified juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M08041	Unspecified juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
M08042	Unspecified juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
M08049	Unspecified juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
M08051	Unspecified juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
M08052	Unspecified juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
M08059	Unspecified juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
M08061	Unspecified juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
M08062	Unspecified juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
M08069	Unspecified juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
M08071	Unspecified juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M08072	Unspecified juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M08079	Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0808	Unspecified juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
M0809	Unspecified juvenile rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis
M0820	Juvenile rheumatoid arthritis with systemic onset, unspecified site	ICD-10-CM	Diagnosis
M08211	Juvenile rheumatoid arthritis with systemic onset, right shoulder	ICD-10-CM	Diagnosis
M08212	Juvenile rheumatoid arthritis with systemic onset, left shoulder	ICD-10-CM	Diagnosis
M08219	Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder	ICD-10-CM	Diagnosis
M08221	Juvenile rheumatoid arthritis with systemic onset, right elbow	ICD-10-CM	Diagnosis
M08222	Juvenile rheumatoid arthritis with systemic onset, left elbow	ICD-10-CM	Diagnosis
M08229	Juvenile rheumatoid arthritis with systemic onset, unspecified elbow	ICD-10-CM	Diagnosis
M08231	Juvenile rheumatoid arthritis with systemic onset, right wrist	ICD-10-CM	Diagnosis
M08232	Juvenile rheumatoid arthritis with systemic onset, left wrist	ICD-10-CM	Diagnosis
M08239	Juvenile rheumatoid arthritis with systemic onset, unspecified wrist	ICD-10-CM	Diagnosis
M08241	Juvenile rheumatoid arthritis with systemic onset, right hand	ICD-10-CM	Diagnosis
M08242	Juvenile rheumatoid arthritis with systemic onset, left hand	ICD-10-CM	Diagnosis
M08249	Juvenile rheumatoid arthritis with systemic onset, unspecified hand	ICD-10-CM	Diagnosis
M08251	Juvenile rheumatoid arthritis with systemic onset, right hip	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M08252	Juvenile rheumatoid arthritis with systemic onset, left hip	ICD-10-CM	Diagnosis
M08259	Juvenile rheumatoid arthritis with systemic onset, unspecified hip	ICD-10-CM	Diagnosis
M08261	Juvenile rheumatoid arthritis with systemic onset, right knee	ICD-10-CM	Diagnosis
M08262	Juvenile rheumatoid arthritis with systemic onset, left knee	ICD-10-CM	Diagnosis
M08269	Juvenile rheumatoid arthritis with systemic onset, unspecified knee	ICD-10-CM	Diagnosis
M08271	Juvenile rheumatoid arthritis with systemic onset, right ankle and foot	ICD-10-CM	Diagnosis
M08272	Juvenile rheumatoid arthritis with systemic onset, left ankle and foot	ICD-10-CM	Diagnosis
M08279	Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0828	Juvenile rheumatoid arthritis with systemic onset, vertebrae	ICD-10-CM	Diagnosis
M0829	Juvenile rheumatoid arthritis with systemic onset, multiple sites	ICD-10-CM	Diagnosis
M083	Juvenile rheumatoid polyarthritis (seronegative)	ICD-10-CM	Diagnosis
M0840	Pauciarticular juvenile rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
M08411	Pauciarticular juvenile rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
M08412	Pauciarticular juvenile rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
M08419	Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M08421	Pauciarticular juvenile rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
M08422	Pauciarticular juvenile rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
M08429	Pauciarticular juvenile rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M08431	Pauciarticular juvenile rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
M08432	Pauciarticular juvenile rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
M08439	Pauciarticular juvenile rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M08441	Pauciarticular juvenile rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
M08442	Pauciarticular juvenile rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
M08449	Pauciarticular juvenile rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
M08451	Pauciarticular juvenile rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
M08452	Pauciarticular juvenile rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
M08459	Pauciarticular juvenile rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
M08461	Pauciarticular juvenile rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
M08462	Pauciarticular juvenile rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
M08469	Pauciarticular juvenile rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
M08471	Pauciarticular juvenile rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M08472	Pauciarticular juvenile rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M08479	Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0848	Pauciarticular juvenile rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
M0880	Other juvenile arthritis, unspecified site	ICD-10-CM	Diagnosis
M08811	Other juvenile arthritis, right shoulder	ICD-10-CM	Diagnosis
M08812	Other juvenile arthritis, left shoulder	ICD-10-CM	Diagnosis
M08819	Other juvenile arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M08821	Other juvenile arthritis, right elbow	ICD-10-CM	Diagnosis
M08822	Other juvenile arthritis, left elbow	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M08829	Other juvenile arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M08831	Other juvenile arthritis, right wrist	ICD-10-CM	Diagnosis
M08832	Other juvenile arthritis, left wrist	ICD-10-CM	Diagnosis
M08839	Other juvenile arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M08841	Other juvenile arthritis, right hand	ICD-10-CM	Diagnosis
M08842	Other juvenile arthritis, left hand	ICD-10-CM	Diagnosis
M08849	Other juvenile arthritis, unspecified hand	ICD-10-CM	Diagnosis
M08851	Other juvenile arthritis, right hip	ICD-10-CM	Diagnosis
M08852	Other juvenile arthritis, left hip	ICD-10-CM	Diagnosis
M08859	Other juvenile arthritis, unspecified hip	ICD-10-CM	Diagnosis
M08861	Other juvenile arthritis, right knee	ICD-10-CM	Diagnosis
M08862	Other juvenile arthritis, left knee	ICD-10-CM	Diagnosis
M08869	Other juvenile arthritis, unspecified knee	ICD-10-CM	Diagnosis
M08871	Other juvenile arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M08872	Other juvenile arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M08879	Other juvenile arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0888	Other juvenile arthritis, vertebrae	ICD-10-CM	Diagnosis
M0889	Other juvenile arthritis, multiple sites	ICD-10-CM	Diagnosis
M0890	Juvenile arthritis, unspecified, unspecified site	ICD-10-CM	Diagnosis
M08911	Juvenile arthritis, unspecified, right shoulder	ICD-10-CM	Diagnosis
M08912	Juvenile arthritis, unspecified, left shoulder	ICD-10-CM	Diagnosis
M08919	Juvenile arthritis, unspecified, unspecified shoulder	ICD-10-CM	Diagnosis
M08921	Juvenile arthritis, unspecified, right elbow	ICD-10-CM	Diagnosis
M08922	Juvenile arthritis, unspecified, left elbow	ICD-10-CM	Diagnosis
M08929	Juvenile arthritis, unspecified, unspecified elbow	ICD-10-CM	Diagnosis
M08931	Juvenile arthritis, unspecified, right wrist	ICD-10-CM	Diagnosis
M08932	Juvenile arthritis, unspecified, left wrist	ICD-10-CM	Diagnosis
M08939	Juvenile arthritis, unspecified, unspecified wrist	ICD-10-CM	Diagnosis
M08941	Juvenile arthritis, unspecified, right hand	ICD-10-CM	Diagnosis
M08942	Juvenile arthritis, unspecified, left hand	ICD-10-CM	Diagnosis
M08949	Juvenile arthritis, unspecified, unspecified hand	ICD-10-CM	Diagnosis
M08951	Juvenile arthritis, unspecified, right hip	ICD-10-CM	Diagnosis
M08952	Juvenile arthritis, unspecified, left hip	ICD-10-CM	Diagnosis
M08959	Juvenile arthritis, unspecified, unspecified hip	ICD-10-CM	Diagnosis
M08961	Juvenile arthritis, unspecified, right knee	ICD-10-CM	Diagnosis
M08962	Juvenile arthritis, unspecified, left knee	ICD-10-CM	Diagnosis
M08969	Juvenile arthritis, unspecified, unspecified knee	ICD-10-CM	Diagnosis
M08971	Juvenile arthritis, unspecified, right ankle and foot	ICD-10-CM	Diagnosis
M08972	Juvenile arthritis, unspecified, left ankle and foot	ICD-10-CM	Diagnosis
M08979	Juvenile arthritis, unspecified, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0898	Juvenile arthritis, unspecified, vertebrae	ICD-10-CM	Diagnosis
M0899	Juvenile arthritis, unspecified, multiple sites	ICD-10-CM	Diagnosis
7140	Rheumatoid arthritis	ICD-09-CM	Diagnosis
7141	Felty's syndrome	ICD-09-CM	Diagnosis
7142	Other rheumatoid arthritis with visceral or systemic involvement	ICD-09-CM	Diagnosis
7144	Chronic postrheumatic arthropathy	ICD-09-CM	Diagnosis
M0500	Felty's syndrome, unspecified site	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M05011	Felty's syndrome, right shoulder	ICD-10-CM	Diagnosis
M05012	Felty's syndrome, left shoulder	ICD-10-CM	Diagnosis
M05019	Felty's syndrome, unspecified shoulder	ICD-10-CM	Diagnosis
M05021	Felty's syndrome, right elbow	ICD-10-CM	Diagnosis
M05022	Felty's syndrome, left elbow	ICD-10-CM	Diagnosis
M05029	Felty's syndrome, unspecified elbow	ICD-10-CM	Diagnosis
M05031	Felty's syndrome, right wrist	ICD-10-CM	Diagnosis
M05032	Felty's syndrome, left wrist	ICD-10-CM	Diagnosis
M05039	Felty's syndrome, unspecified wrist	ICD-10-CM	Diagnosis
M05041	Felty's syndrome, right hand	ICD-10-CM	Diagnosis
M05042	Felty's syndrome, left hand	ICD-10-CM	Diagnosis
M05049	Felty's syndrome, unspecified hand	ICD-10-CM	Diagnosis
M05051	Felty's syndrome, right hip	ICD-10-CM	Diagnosis
M05052	Felty's syndrome, left hip	ICD-10-CM	Diagnosis
M05059	Felty's syndrome, unspecified hip	ICD-10-CM	Diagnosis
M05061	Felty's syndrome, right knee	ICD-10-CM	Diagnosis
M05062	Felty's syndrome, left knee	ICD-10-CM	Diagnosis
M05069	Felty's syndrome, unspecified knee	ICD-10-CM	Diagnosis
M05071	Felty's syndrome, right ankle and foot	ICD-10-CM	Diagnosis
M05072	Felty's syndrome, left ankle and foot	ICD-10-CM	Diagnosis
M05079	Felty's syndrome, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0509	Felty's syndrome, multiple sites	ICD-10-CM	Diagnosis
M0510	Rheumatoid lung disease with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05111	Rheumatoid lung disease with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05112	Rheumatoid lung disease with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05119	Rheumatoid lung disease with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05121	Rheumatoid lung disease with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05122	Rheumatoid lung disease with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05129	Rheumatoid lung disease with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05131	Rheumatoid lung disease with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
M05132	Rheumatoid lung disease with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05139	Rheumatoid lung disease with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05141	Rheumatoid lung disease with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05142	Rheumatoid lung disease with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05149	Rheumatoid lung disease with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05151	Rheumatoid lung disease with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05152	Rheumatoid lung disease with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M05159	Rheumatoid lung disease with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05161	Rheumatoid lung disease with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05162	Rheumatoid lung disease with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05169	Rheumatoid lung disease with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05171	Rheumatoid lung disease with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05172	Rheumatoid lung disease with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05179	Rheumatoid lung disease with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M0519	Rheumatoid lung disease with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M0520	Rheumatoid vasculitis with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05211	Rheumatoid vasculitis with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05212	Rheumatoid vasculitis with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05219	Rheumatoid vasculitis with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05221	Rheumatoid vasculitis with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05222	Rheumatoid vasculitis with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05229	Rheumatoid vasculitis with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05231	Rheumatoid vasculitis with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
M05232	Rheumatoid vasculitis with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05239	Rheumatoid vasculitis with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05241	Rheumatoid vasculitis with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05242	Rheumatoid vasculitis with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05249	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05251	Rheumatoid vasculitis with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05252	Rheumatoid vasculitis with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05259	Rheumatoid vasculitis with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05261	Rheumatoid vasculitis with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05262	Rheumatoid vasculitis with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05269	Rheumatoid vasculitis with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05271	Rheumatoid vasculitis with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05272	Rheumatoid vasculitis with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05279	Rheumatoid vasculitis with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M0529	Rheumatoid vasculitis with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M0530	Rheumatoid heart disease with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05311	Rheumatoid heart disease with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05312	Rheumatoid heart disease with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05319	Rheumatoid heart disease with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05321	Rheumatoid heart disease with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05322	Rheumatoid heart disease with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05329	Rheumatoid heart disease with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05331	Rheumatoid heart disease with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
M05332	Rheumatoid heart disease with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05339	Rheumatoid heart disease with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05341	Rheumatoid heart disease with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05342	Rheumatoid heart disease with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05349	Rheumatoid heart disease with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05351	Rheumatoid heart disease with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05352	Rheumatoid heart disease with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05359	Rheumatoid heart disease with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05361	Rheumatoid heart disease with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05362	Rheumatoid heart disease with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05369	Rheumatoid heart disease with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05371	Rheumatoid heart disease with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05372	Rheumatoid heart disease with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05379	Rheumatoid heart disease with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M0539	Rheumatoid heart disease with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M0540	Rheumatoid myopathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05411	Rheumatoid myopathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M05412	Rheumatoid myopathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05419	Rheumatoid myopathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05421	Rheumatoid myopathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05422	Rheumatoid myopathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05429	Rheumatoid myopathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05431	Rheumatoid myopathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis
M05432	Rheumatoid myopathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05439	Rheumatoid myopathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05441	Rheumatoid myopathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05442	Rheumatoid myopathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05449	Rheumatoid myopathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05451	Rheumatoid myopathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05452	Rheumatoid myopathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05459	Rheumatoid myopathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05461	Rheumatoid myopathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05462	Rheumatoid myopathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05469	Rheumatoid myopathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05471	Rheumatoid myopathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05472	Rheumatoid myopathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05479	Rheumatoid myopathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M0549	Rheumatoid myopathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M0550	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified site	ICD-10-CM	Diagnosis
M05511	Rheumatoid polyneuropathy with rheumatoid arthritis of right shoulder	ICD-10-CM	Diagnosis
M05512	Rheumatoid polyneuropathy with rheumatoid arthritis of left shoulder	ICD-10-CM	Diagnosis
M05519	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified shoulder	ICD-10-CM	Diagnosis
M05521	Rheumatoid polyneuropathy with rheumatoid arthritis of right elbow	ICD-10-CM	Diagnosis
M05522	Rheumatoid polyneuropathy with rheumatoid arthritis of left elbow	ICD-10-CM	Diagnosis
M05529	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified elbow	ICD-10-CM	Diagnosis
M05531	Rheumatoid polyneuropathy with rheumatoid arthritis of right wrist	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M05532	Rheumatoid polyneuropathy with rheumatoid arthritis of left wrist	ICD-10-CM	Diagnosis
M05539	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified wrist	ICD-10-CM	Diagnosis
M05541	Rheumatoid polyneuropathy with rheumatoid arthritis of right hand	ICD-10-CM	Diagnosis
M05542	Rheumatoid polyneuropathy with rheumatoid arthritis of left hand	ICD-10-CM	Diagnosis
M05549	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hand	ICD-10-CM	Diagnosis
M05551	Rheumatoid polyneuropathy with rheumatoid arthritis of right hip	ICD-10-CM	Diagnosis
M05552	Rheumatoid polyneuropathy with rheumatoid arthritis of left hip	ICD-10-CM	Diagnosis
M05559	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified hip	ICD-10-CM	Diagnosis
M05561	Rheumatoid polyneuropathy with rheumatoid arthritis of right knee	ICD-10-CM	Diagnosis
M05562	Rheumatoid polyneuropathy with rheumatoid arthritis of left knee	ICD-10-CM	Diagnosis
M05569	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified knee	ICD-10-CM	Diagnosis
M05571	Rheumatoid polyneuropathy with rheumatoid arthritis of right ankle and foot	ICD-10-CM	Diagnosis
M05572	Rheumatoid polyneuropathy with rheumatoid arthritis of left ankle and foot	ICD-10-CM	Diagnosis
M05579	Rheumatoid polyneuropathy with rheumatoid arthritis of unspecified ankle and foot	ICD-10-CM	Diagnosis
M0559	Rheumatoid polyneuropathy with rheumatoid arthritis of multiple sites	ICD-10-CM	Diagnosis
M0560	Rheumatoid arthritis of unspecified site with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05611	Rheumatoid arthritis of right shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05612	Rheumatoid arthritis of left shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05619	Rheumatoid arthritis of unspecified shoulder with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05621	Rheumatoid arthritis of right elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05622	Rheumatoid arthritis of left elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05629	Rheumatoid arthritis of unspecified elbow with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05631	Rheumatoid arthritis of right wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05632	Rheumatoid arthritis of left wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis

Code	Description	Code Type	Code Category
M05639	Rheumatoid arthritis of unspecified wrist with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05641	Rheumatoid arthritis of right hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05642	Rheumatoid arthritis of left hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05649	Rheumatoid arthritis of unspecified hand with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05651	Rheumatoid arthritis of right hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05652	Rheumatoid arthritis of left hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05659	Rheumatoid arthritis of unspecified hip with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05661	Rheumatoid arthritis of right knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05662	Rheumatoid arthritis of left knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05669	Rheumatoid arthritis of unspecified knee with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05671	Rheumatoid arthritis of right ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05672	Rheumatoid arthritis of left ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
M05679	Rheumatoid arthritis of unspecified ankle and foot with involvement of other organs and systems	ICD-10-CM	Diagnosis
M0569	Rheumatoid arthritis of multiple sites with involvement of other organs and systems	ICD-10-CM	Diagnosis
M0570	Rheumatoid arthritis with rheumatoid factor of unspecified site without organ or systems involvement	ICD-10-CM	Diagnosis
M05711	Rheumatoid arthritis with rheumatoid factor of right shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
M05712	Rheumatoid arthritis with rheumatoid factor of left shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
M05719	Rheumatoid arthritis with rheumatoid factor of unspecified shoulder without organ or systems involvement	ICD-10-CM	Diagnosis
M05721	Rheumatoid arthritis with rheumatoid factor of right elbow without organ or systems involvement	ICD-10-CM	Diagnosis
M05722	Rheumatoid arthritis with rheumatoid factor of left elbow without organ or systems involvement	ICD-10-CM	Diagnosis
M05729	Rheumatoid arthritis with rheumatoid factor of unspecified elbow without organ or systems involvement	ICD-10-CM	Diagnosis
M05731	Rheumatoid arthritis with rheumatoid factor of right wrist without organ or systems involvement	ICD-10-CM	Diagnosis
M05732	Rheumatoid arthritis with rheumatoid factor of left wrist without organ or systems involvement	ICD-10-CM	Diagnosis
M05739	Rheumatoid arthritis with rheumatoid factor of unspecified wrist without organ or systems involvement	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M05741	Rheumatoid arthritis with rheumatoid factor of right hand without organ or systems involvement	ICD-10-CM	Diagnosis
M05742	Rheumatoid arthritis with rheumatoid factor of left hand without organ or systems involvement	ICD-10-CM	Diagnosis
M05749	Rheumatoid arthritis with rheumatoid factor of unspecified hand without organ or systems involvement	ICD-10-CM	Diagnosis
M05751	Rheumatoid arthritis with rheumatoid factor of right hip without organ or systems involvement	ICD-10-CM	Diagnosis
M05752	Rheumatoid arthritis with rheumatoid factor of left hip without organ or systems involvement	ICD-10-CM	Diagnosis
M05759	Rheumatoid arthritis with rheumatoid factor of unspecified hip without organ or systems involvement	ICD-10-CM	Diagnosis
M05761	Rheumatoid arthritis with rheumatoid factor of right knee without organ or systems involvement	ICD-10-CM	Diagnosis
M05762	Rheumatoid arthritis with rheumatoid factor of left knee without organ or systems involvement	ICD-10-CM	Diagnosis
M05769	Rheumatoid arthritis with rheumatoid factor of unspecified knee without organ or systems involvement	ICD-10-CM	Diagnosis
M05771	Rheumatoid arthritis with rheumatoid factor of right ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
M05772	Rheumatoid arthritis with rheumatoid factor of left ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
M05779	Rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot without organ or systems involvement	ICD-10-CM	Diagnosis
M0579	Rheumatoid arthritis with rheumatoid factor of multiple sites without organ or systems involvement	ICD-10-CM	Diagnosis
M0580	Other rheumatoid arthritis with rheumatoid factor of unspecified site	ICD-10-CM	Diagnosis
M05811	Other rheumatoid arthritis with rheumatoid factor of right shoulder	ICD-10-CM	Diagnosis
M05812	Other rheumatoid arthritis with rheumatoid factor of left shoulder	ICD-10-CM	Diagnosis
M05819	Other rheumatoid arthritis with rheumatoid factor of unspecified shoulder	ICD-10-CM	Diagnosis
M05821	Other rheumatoid arthritis with rheumatoid factor of right elbow	ICD-10-CM	Diagnosis
M05822	Other rheumatoid arthritis with rheumatoid factor of left elbow	ICD-10-CM	Diagnosis
M05829	Other rheumatoid arthritis with rheumatoid factor of unspecified elbow	ICD-10-CM	Diagnosis
M05831	Other rheumatoid arthritis with rheumatoid factor of right wrist	ICD-10-CM	Diagnosis
M05832	Other rheumatoid arthritis with rheumatoid factor of left wrist	ICD-10-CM	Diagnosis
M05839	Other rheumatoid arthritis with rheumatoid factor of unspecified wrist	ICD-10-CM	Diagnosis
M05841	Other rheumatoid arthritis with rheumatoid factor of right hand	ICD-10-CM	Diagnosis
M05842	Other rheumatoid arthritis with rheumatoid factor of left hand	ICD-10-CM	Diagnosis
M05849	Other rheumatoid arthritis with rheumatoid factor of unspecified hand	ICD-10-CM	Diagnosis
M05851	Other rheumatoid arthritis with rheumatoid factor of right hip	ICD-10-CM	Diagnosis

Appendix C. List of International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-09-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), Current Procedural Terminology, Fourth Edition (CPT-4), and CPT-4 Category II Diagnosis and Procedure Codes Used to Define Inclusion Criteria in this Request

Code	Description	Code Type	Code Category
M05852	Other rheumatoid arthritis with rheumatoid factor of left hip	ICD-10-CM	Diagnosis
M05859	Other rheumatoid arthritis with rheumatoid factor of unspecified hip	ICD-10-CM	Diagnosis
M05861	Other rheumatoid arthritis with rheumatoid factor of right knee	ICD-10-CM	Diagnosis
M05862	Other rheumatoid arthritis with rheumatoid factor of left knee	ICD-10-CM	Diagnosis
M05869	Other rheumatoid arthritis with rheumatoid factor of unspecified knee	ICD-10-CM	Diagnosis
M05871	Other rheumatoid arthritis with rheumatoid factor of right ankle and foot	ICD-10-CM	Diagnosis
M05872	Other rheumatoid arthritis with rheumatoid factor of left ankle and foot	ICD-10-CM	Diagnosis
M05879	Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot	ICD-10-CM	Diagnosis
M0589	Other rheumatoid arthritis with rheumatoid factor of multiple sites	ICD-10-CM	Diagnosis
M059	Rheumatoid arthritis with rheumatoid factor, unspecified	ICD-10-CM	Diagnosis
M0600	Rheumatoid arthritis without rheumatoid factor, unspecified site	ICD-10-CM	Diagnosis
M06011	Rheumatoid arthritis without rheumatoid factor, right shoulder	ICD-10-CM	Diagnosis
M06012	Rheumatoid arthritis without rheumatoid factor, left shoulder	ICD-10-CM	Diagnosis
M06019	Rheumatoid arthritis without rheumatoid factor, unspecified shoulder	ICD-10-CM	Diagnosis
M06021	Rheumatoid arthritis without rheumatoid factor, right elbow	ICD-10-CM	Diagnosis
M06022	Rheumatoid arthritis without rheumatoid factor, left elbow	ICD-10-CM	Diagnosis
M06029	Rheumatoid arthritis without rheumatoid factor, unspecified elbow	ICD-10-CM	Diagnosis
M06031	Rheumatoid arthritis without rheumatoid factor, right wrist	ICD-10-CM	Diagnosis
M06032	Rheumatoid arthritis without rheumatoid factor, left wrist	ICD-10-CM	Diagnosis
M06039	Rheumatoid arthritis without rheumatoid factor, unspecified wrist	ICD-10-CM	Diagnosis
M06041	Rheumatoid arthritis without rheumatoid factor, right hand	ICD-10-CM	Diagnosis
M06042	Rheumatoid arthritis without rheumatoid factor, left hand	ICD-10-CM	Diagnosis
M06049	Rheumatoid arthritis without rheumatoid factor, unspecified hand	ICD-10-CM	Diagnosis
M06051	Rheumatoid arthritis without rheumatoid factor, right hip	ICD-10-CM	Diagnosis
M06052	Rheumatoid arthritis without rheumatoid factor, left hip	ICD-10-CM	Diagnosis
M06059	Rheumatoid arthritis without rheumatoid factor, unspecified hip	ICD-10-CM	Diagnosis
M06061	Rheumatoid arthritis without rheumatoid factor, right knee	ICD-10-CM	Diagnosis
M06062	Rheumatoid arthritis without rheumatoid factor, left knee	ICD-10-CM	Diagnosis
M06069	Rheumatoid arthritis without rheumatoid factor, unspecified knee	ICD-10-CM	Diagnosis
M06071	Rheumatoid arthritis without rheumatoid factor, right ankle and foot	ICD-10-CM	Diagnosis
M06072	Rheumatoid arthritis without rheumatoid factor, left ankle and foot	ICD-10-CM	Diagnosis
M06079	Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M0608	Rheumatoid arthritis without rheumatoid factor, vertebrae	ICD-10-CM	Diagnosis
M0609	Rheumatoid arthritis without rheumatoid factor, multiple sites	ICD-10-CM	Diagnosis
M061	Adult-onset Still's disease	ICD-10-CM	Diagnosis
M0620	Rheumatoid bursitis, unspecified site	ICD-10-CM	Diagnosis
M06211	Rheumatoid bursitis, right shoulder	ICD-10-CM	Diagnosis
M06212	Rheumatoid bursitis, left shoulder	ICD-10-CM	Diagnosis
M06219	Rheumatoid bursitis, unspecified shoulder	ICD-10-CM	Diagnosis
M06221	Rheumatoid bursitis, right elbow	ICD-10-CM	Diagnosis
M06222	Rheumatoid bursitis, left elbow	ICD-10-CM	Diagnosis
M06229	Rheumatoid bursitis, unspecified elbow	ICD-10-CM	Diagnosis
M06231	Rheumatoid bursitis, right wrist	ICD-10-CM	Diagnosis
M06232	Rheumatoid bursitis, left wrist	ICD-10-CM	Diagnosis
M06239	Rheumatoid bursitis, unspecified wrist	ICD-10-CM	Diagnosis
M06241	Rheumatoid bursitis, right hand	ICD-10-CM	Diagnosis
M06242	Rheumatoid bursitis, left hand	ICD-10-CM	Diagnosis
M06249	Rheumatoid bursitis, unspecified hand	ICD-10-CM	Diagnosis
M06251	Rheumatoid bursitis, right hip	ICD-10-CM	Diagnosis
M06252	Rheumatoid bursitis, left hip	ICD-10-CM	Diagnosis
M06259	Rheumatoid bursitis, unspecified hip	ICD-10-CM	Diagnosis
M06261	Rheumatoid bursitis, right knee	ICD-10-CM	Diagnosis
M06262	Rheumatoid bursitis, left knee	ICD-10-CM	Diagnosis
M06269	Rheumatoid bursitis, unspecified knee	ICD-10-CM	Diagnosis
M06271	Rheumatoid bursitis, right ankle and foot	ICD-10-CM	Diagnosis
M06272	Rheumatoid bursitis, left ankle and foot	ICD-10-CM	Diagnosis
M06279	Rheumatoid bursitis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0628	Rheumatoid bursitis, vertebrae	ICD-10-CM	Diagnosis
M0629	Rheumatoid bursitis, multiple sites	ICD-10-CM	Diagnosis
M0630	Rheumatoid nodule, unspecified site	ICD-10-CM	Diagnosis
M06311	Rheumatoid nodule, right shoulder	ICD-10-CM	Diagnosis
M06312	Rheumatoid nodule, left shoulder	ICD-10-CM	Diagnosis
M06319	Rheumatoid nodule, unspecified shoulder	ICD-10-CM	Diagnosis
M06321	Rheumatoid nodule, right elbow	ICD-10-CM	Diagnosis
M06322	Rheumatoid nodule, left elbow	ICD-10-CM	Diagnosis
M06329	Rheumatoid nodule, unspecified elbow	ICD-10-CM	Diagnosis
M06331	Rheumatoid nodule, right wrist	ICD-10-CM	Diagnosis
M06332	Rheumatoid nodule, left wrist	ICD-10-CM	Diagnosis
M06339	Rheumatoid nodule, unspecified wrist	ICD-10-CM	Diagnosis
M06341	Rheumatoid nodule, right hand	ICD-10-CM	Diagnosis
M06342	Rheumatoid nodule, left hand	ICD-10-CM	Diagnosis
M06349	Rheumatoid nodule, unspecified hand	ICD-10-CM	Diagnosis
M06351	Rheumatoid nodule, right hip	ICD-10-CM	Diagnosis
M06352	Rheumatoid nodule, left hip	ICD-10-CM	Diagnosis
M06359	Rheumatoid nodule, unspecified hip	ICD-10-CM	Diagnosis
M06361	Rheumatoid nodule, right knee	ICD-10-CM	Diagnosis
M06362	Rheumatoid nodule, left knee	ICD-10-CM	Diagnosis
M06369	Rheumatoid nodule, unspecified knee	ICD-10-CM	Diagnosis
M06371	Rheumatoid nodule, right ankle and foot	ICD-10-CM	Diagnosis
M06372	Rheumatoid nodule, left ankle and foot	ICD-10-CM	Diagnosis

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Code	Description	Code Type	Code Category
M06379	Rheumatoid nodule, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0638	Rheumatoid nodule, vertebrae	ICD-10-CM	Diagnosis
M0639	Rheumatoid nodule, multiple sites	ICD-10-CM	Diagnosis
M0680	Other specified rheumatoid arthritis, unspecified site	ICD-10-CM	Diagnosis
M06811	Other specified rheumatoid arthritis, right shoulder	ICD-10-CM	Diagnosis
M06812	Other specified rheumatoid arthritis, left shoulder	ICD-10-CM	Diagnosis
M06819	Other specified rheumatoid arthritis, unspecified shoulder	ICD-10-CM	Diagnosis
M06821	Other specified rheumatoid arthritis, right elbow	ICD-10-CM	Diagnosis
M06822	Other specified rheumatoid arthritis, left elbow	ICD-10-CM	Diagnosis
M06829	Other specified rheumatoid arthritis, unspecified elbow	ICD-10-CM	Diagnosis
M06831	Other specified rheumatoid arthritis, right wrist	ICD-10-CM	Diagnosis
M06832	Other specified rheumatoid arthritis, left wrist	ICD-10-CM	Diagnosis
M06839	Other specified rheumatoid arthritis, unspecified wrist	ICD-10-CM	Diagnosis
M06841	Other specified rheumatoid arthritis, right hand	ICD-10-CM	Diagnosis
M06842	Other specified rheumatoid arthritis, left hand	ICD-10-CM	Diagnosis
M06849	Other specified rheumatoid arthritis, unspecified hand	ICD-10-CM	Diagnosis
M06851	Other specified rheumatoid arthritis, right hip	ICD-10-CM	Diagnosis
M06852	Other specified rheumatoid arthritis, left hip	ICD-10-CM	Diagnosis
M06859	Other specified rheumatoid arthritis, unspecified hip	ICD-10-CM	Diagnosis
M06861	Other specified rheumatoid arthritis, right knee	ICD-10-CM	Diagnosis
M06862	Other specified rheumatoid arthritis, left knee	ICD-10-CM	Diagnosis
M06869	Other specified rheumatoid arthritis, unspecified knee	ICD-10-CM	Diagnosis
M06871	Other specified rheumatoid arthritis, right ankle and foot	ICD-10-CM	Diagnosis
M06872	Other specified rheumatoid arthritis, left ankle and foot	ICD-10-CM	Diagnosis
M06879	Other specified rheumatoid arthritis, unspecified ankle and foot	ICD-10-CM	Diagnosis
M0688	Other specified rheumatoid arthritis, vertebrae	ICD-10-CM	Diagnosis
M0689	Other specified rheumatoid arthritis, multiple sites	ICD-10-CM	Diagnosis
M069	Rheumatoid arthritis, unspecified	ICD-10-CM	Diagnosis
7100	Systemic lupus erythematosus	ICD-09-CM	Diagnosis
M320	Drug-induced systemic lupus erythematosus	ICD-10-CM	Diagnosis
M3210	Systemic lupus erythematosus, organ or system involvement unspecified	ICD-10-CM	Diagnosis
M3211	Endocarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M3212	Pericarditis in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M3213	Lung involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M3214	Glomerular disease in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M3215	Tubulo-interstitial nephropathy in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M3219	Other organ or system involvement in systemic lupus erythematosus	ICD-10-CM	Diagnosis
M328	Other forms of systemic lupus erythematosus	ICD-10-CM	Diagnosis
M329	Systemic lupus erythematosus, unspecified	ICD-10-CM	Diagnosis
Treatment for Inflammatory Bowel Disease, Psoriasis, or a Rheumatological Condition			
C9230	Injection, abatacept, per 10 mg	HCPCS	Procedure
J0129	Injection, abatacept, 10 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when drug is self-administered)	HCPCS	Procedure
J0135	Injection, adalimumab, 20 mg	HCPCS	Procedure

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Code	Description	Code Type	Code Category
J0490	Injection, belimumab, 10 mg	HCPCS	Procedure
Q2044	Injection, belimumab, 10 mg	HCPCS	Procedure
J0638	Injection, canakinumab, 1 mg	HCPCS	Procedure
C9249	Injection, certolizumab pegol, 1 mg	HCPCS	Procedure
J0717	Injection, certolizumab pegol, 1 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when drug is self administered)	HCPCS	Procedure
J0718	Injection, certolizumab pegol, 1 mg	HCPCS	Procedure
J1438	Injection, etanercept, 25 mg (code may be used for Medicare when drug administered under the direct supervision of a physician, not for use when drug is self-administered)	HCPCS	Procedure
J1602	Injection, golimumab, 1 mg, for intravenous use	HCPCS	Procedure
C9028	Injection, inotuzumab ozogamicin, 0.1 mg	HCPCS	Procedure
C9029	Injection, guselkumab, 1 mg	HCPCS	Procedure
J1745	Injection, infliximab, excludes biosimilar, 10 mg	HCPCS	Procedure
Q5102	Injection, infliximab, biosimilar, 10 mg	HCPCS	Procedure
C9126	Injection natalizumab per 5 mg	HCPCS	Procedure
J2323	Injection, natalizumab, 1 mg	HCPCS	Procedure
Q4079	Injection, natalizumab, 1 mg	HCPCS	Procedure
J2793	Injection, rilonacept, 1 mg	HCPCS	Procedure
J9310	Injection, rituximab, 100 mg	HCPCS	Procedure
C9264	Injection, tocilizumab, 1 mg	HCPCS	Procedure
J3262	Injection, tocilizumab, 1 mg	HCPCS	Procedure
C9261	Injection, ustekinumab, 1 mg	HCPCS	Procedure
C9487	Ustekinumab, for intravenous injection, 1 mg	HCPCS	Procedure
J3357	Ustekinumab, for subcutaneous injection, 1 mg	HCPCS	Procedure
J3358	Ustekinumab, for intravenous injection, 1 mg	HCPCS	Procedure
Q9989	Ustekinumab, for intravenous injection, 1 mg	HCPCS	Procedure
C9026	Injection, vedolizumab, 1 mg	HCPCS	Procedure
J3380	Injection, vedolizumab, 1 mg	HCPCS	Procedure

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Antimicrobial Use	
Acyclovir	Zovirax
Acyclovir	Acyclovir
Acyclovir	Sitavig
Acyclovir sodium	Acyclovir Sodium
Acyclovir sodium/dextrose 5 % in water	Acyclovir Sod In Dextrose 5 %
Albendazole	Albenza
Amikacin sulfate	Amikacin
Aminosalicylic acid	Paser
Amoxicillin	Amoxicillin
Amoxicillin	Moxatag
Amoxicillin/potassium clavulanate	Amoxicillin-Pot Clavulanate
Amoxicillin/potassium clavulanate	Augmentin
Amoxicillin/potassium clavulanate	Augmentin ES-600
Amoxicillin/potassium clavulanate	Augmentin XR
Amphotericin b	Amphotericin B
Amphotericin b lipid complex	Abelcet
Amphotericin b liposome	Ambisome
Ampicillin sodium	Ampicillin Sodium
Ampicillin sodium/sulbactam sodium	Ampicillin-Sulbactam
Ampicillin sodium/sulbactam sodium	Unasyn
Ampicillin trihydrate	Ampicillin
Anidulafungin	Eraxis(Water Diluent)
Artemether/lumefantrine	Coartem
Atovaquone	Mepron
Atovaquone	Atovaquone
Atovaquone/proguanil HCl	Malarone
Atovaquone/proguanil HCl	Atovaquone-Proguanil
Atovaquone/proguanil HCl	Malarone Pediatric
Azithromycin	Zithromax TRI-PAK
Azithromycin	Azithromycin
Azithromycin	Zithromax
Azithromycin	Zithromax Z-Pak
Azithromycin	Zmax
Aztreonam	Azactam
Aztreonam	Aztreonam
Aztreonam/dextrose-water	Azactam In Dextrose (Iso-Osm)
Bacitracin	Bacitracin
Bacitracin	Baciim
Bedaquiline fumarate	Sirturo
Benznidazole	Benznidazole
Capreomycin sulfate	Capastat
Caspofungin acetate	Cancidas
Caspofungin acetate	Caspofungin
Cefaclor	Cefaclor
Cefadroxil	Cefadroxil
Cefazolin sodium	Cefazolin
Cefazolin sodium in 0.9 % sodium chloride	Cefazolin In 0.9% Sod Chloride
Cefazolin sodium/dextrose 5 % in water	Cefazolin In Dextrose 5 %
Cefazolin sodium/dextrose, iso-osmotic	Cefazolin In Dextrose (Iso-Os)
Cefazolin sodium/water for injection,sterile	Cefazolin In Sterile Water

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Cefdinir	Cefdinir
Cefditoren pivoxil	Cefditoren Pivoxil
Cefditoren pivoxil	Spectracef
Cefepime HCl	Cefepime
Cefepime HCl	Maxipime
Cefepime HCl in dextrose 5 % in water	Cefepime In Dextrose 5 %
Cefepime HCl in iso-osmotic dextrose	Cefepime In Dextrose,Iso-Osm
Cefixime	Suprax
Cefixime	Cefixime
Cefotaxime sodium	Cefotaxime
Cefotaxime sodium	Claforan
Cefotaxime sodium/dextrose, iso-osmotic	Claforan In Dextrose(Iso-Osm)
Cefotetan disodium	Cefotan
Cefotetan disodium	Cefotetan
Cefotetan disodium in iso-osmotic dextrose	Cefotetan In Dextrose, Iso-Osm
Cefoxitin sodium	Cefoxitin
Cefoxitin sodium/dextrose, iso-osmotic	Cefoxitin In Dextrose, Iso-Osm
Cefpodoxime proxetil	Cefpodoxime
Cefprozil	Cefprozil
Ceftaroline fosamil acetate	Teflaro
Ceftazidime	Ceftazidime
Ceftazidime	Tazicef
Ceftazidime	Fortaz
Ceftazidime in dextrose 5% and water	Ceftazidime In D5W
Ceftazidime sodium in iso-osmotic dextrose	Fortaz In Dextrose 5 %
Ceftazidime/avibactam sodium	Avycaz
Ceftibuten	Cedax
Ceftibuten	Ceftibuten
Ceftolozane sulfate/tazobactam sodium	Zerbaxa
Ceftriaxone sodium	Ceftriaxone
Ceftriaxone sodium in iso-osmotic dextrose	Ceftriaxone In Dextrose,Iso-Os
Cefuroxime axetil	Cefuroxime Axetil
Cefuroxime axetil	Ceftin
Cefuroxime sodium	Zinacef
Cefuroxime sodium	Cefuroxime Sodium
Cefuroxime sodium/water for injection,sterile	Zinacef In Sterile Water
Cephalexin	Cephalexin
Cephalexin	Keflex
Cephalexin	Daxbia
Chloramphenicol sod succinate	Chloramphenicol Sod Succinate
Chloroquine phosphate	Chloroquine Phosphate
Ciprofloxacin	Ciprofloxacin
Ciprofloxacin	Cipro
Ciprofloxacin HCl	Ciprofloxacin HCl
Ciprofloxacin HCl	Cipro
Ciprofloxacin lactate	Ciprofloxacin Lactate
Ciprofloxacin lactate/dextrose 5 % in water	Ciprofloxacin In 5 % Dextrose
Ciprofloxacin lactate/dextrose 5 % in water	Cipro In D5W
Clarithromycin	Clarithromycin
Clarithromycin	Biaxin
Clindamycin HCl	Clindamycin HCl

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Clindamycin HCl	Cleocin HCl
Clindamycin palmitate HCl	Cleocin Pediatric
Clindamycin palmitate HCl	Clindamycin Palmitate HCl
Clindamycin palmitate HCl	Clindamycin Pediatric
Clindamycin phosphate	Clindamycin Phosphate
Clindamycin phosphate	Cleocin
Clindamycin phosphate	Clin Single Use
Clindamycin phosphate in 0.9 % sodium chloride	Clindamycin In 0.9 % Sod Chlor
Clindamycin phosphate/dextrose 5 % in water	Clindamycin In 5 % Dextrose
Clindamycin phosphate/dextrose 5 % in water	Cleocin In 5 % Dextrose
Colistin (as colistimethate sodium)	Colistin (Colistimethate Na)
Colistin (as colistimethate sodium)	Coly-Mycin M Parenteral
Cycloserine	Cycloserine
Dalbavancin HCl	Dalvance
Dapsone	Dapsone
Daptomycin	Daptomycin
Daptomycin	Cubicin RF
Daptomycin	Cubicin
Delafloxacin meglumine	Baxdela
Demeclocycline HCl	Demeclocycline
Dicloxacillin sodium	Dicloxacillin
Doripenem	Doripenem
Doripenem	Doribax
Doxycycline calcium	Vibramycin
Doxycycline hyclate	Doxycycline Hyclate
Doxycycline hyclate	Morgidox
Doxycycline hyclate	Doxy-100
Doxycycline hyclate	Doryx
Doxycycline hyclate	Vibramycin
Doxycycline hyclate	Doryx MPC
Doxycycline hyclate	Acticlate
Doxycycline hyclate	Targadox
Doxycycline hyclate/skin cleanser combination no.19	Morgidox 2x100
Doxycycline hyclate/skin cleanser combination no.19	Morgidox 1x 50
Doxycycline hyclate/skin cleanser combination no.19	Morgidox 1x100
Doxycycline monohydrate	Doxycycline Monohydrate
Doxycycline monohydrate	Monodox
Doxycycline monohydrate	Mondoxyne NL
Doxycycline monohydrate	Vibramycin
Doxycycline monohydrate	Oracea
Doxycycline monohydrate	Avidoxy
Doxycycline monohydrate	Okebo
Doxycycline monohydrate	Adoxa
Doxycycline monohydrate/benzoyl peroxide	Benzodox 60
Doxycycline monohydrate/benzoyl peroxide	Benoxyldoxy 60
Doxycycline monohydrate/benzoyl peroxide	Benoxyldoxy 30
Doxycycline monohydrate/benzoyl peroxide	Benzodox 30
Doxycycline monohydrate/salicylic acid/octinoxate/zinc oxide	Avidoxy DK
Ertapenem sodium	Invanz
Erythromycin base	Ery-Tab
Erythromycin base	Erythromycin

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Erythromycin base	Pce
Erythromycin ethylsuccinate	Erythromycin Ethylsuccinate
Erythromycin ethylsuccinate	E.E.S. Granules
Erythromycin ethylsuccinate	E.E.S. 400
Erythromycin ethylsuccinate	Eryped 200
Erythromycin ethylsuccinate	Eryped 400
Erythromycin lactobionate	Erythrocin
Erythromycin stearate	Erythromycin Stearate
Erythromycin stearate	Erythrocin (As Stearate)
Ethambutol HCl	Ethambutol
Ethambutol HCl	Myambutol
Ethionamide	Trecator
Famciclovir	Famciclovir
Famciclovir	Famvir
Fidaxomicin	Dificid
Fluconazole	Fluconazole
Fluconazole	Diflucan
Fluconazole in dextrose, iso-osmotic	Fluconazole In Dextrose(Iso-O)
Fluconazole in sodium chloride, iso-osmotic	Fluconazole In Nacl (Iso-Osm)
Flucytosine	Flucytosine
Flucytosine	Ancobon
Foscarnet sodium	Foscavir
Foscarnet sodium	Foscarnet
Ganciclovir	Ganciclovir
Ganciclovir sodium	Ganciclovir Sodium
Ganciclovir sodium	Cytovene
Gemifloxacin mesylate	Factive
Gentamicin sulfate	Gentamicin
Gentamicin sulfate in sodium chloride, iso-osmotic	Gentamicin In Nacl (Iso-Osm)
Gentamicin sulfate/pf	Gentamicin Sulfate (PF)
Gentamicin sulfate/pf	Gentamicin Sulfate (Ped) (PF)
Gentamicin sulfate/sodium citrate	Gentamicin-Sodium Citrate
Griseofulvin ultramicrosize	Gris-PEG (Ultramicrosize)
Griseofulvin ultramicrosize	Griseofulvin Ultramicrosize
Griseofulvin, microsize	Griseofulvin Microsize
Griseofulvin, microsize	Grifulvin V
Imipenem/cilastatin sodium	Primaxin IV
Imipenem/cilastatin sodium	Imipenem-Cilastatin
Isavuconazonium sulfate	Cresemba
Isoniazid	Isoniazid
Itraconazole	Sporanox
Itraconazole	Itraconazole
Itraconazole	Onmel
Itraconazole	Sporanox Pulsepak
Ivermectin	Ivermectin
Ivermectin	Stromectol
Ketoconazole	Ketoconazole
Letermovir	Prevymis
Levofloxacin	Levofloxacin
Levofloxacin	Levaquin
Levofloxacin/dextrose 5 % in water	Levofloxacin In D5W

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Levofloxacin/dextrose 5 % in water	Levaquin In 5 % Dextrose
Lincomycin HCl	Lincomycin
Lincomycin HCl	Lincocin
Linezolid	Linezolid
Linezolid	Zyvox
Linezolid in 0.9 % sodium chloride	Linezolid-0.9% Sodium Chloride
Mebendazole	Emverm
Mefloquine HCl	Mefloquine
Meropenem	Meropenem
Meropenem	Merrem
Meropenem in 0.9 % sodium chloride	Meropenem-0.9% Sodium Chloride
Meropenem/vaborbactam	Vabomere
Metronidazole	Metronidazole
Metronidazole	Flagyl
Metronidazole in sodium chloride	Metronidazole In Nacl (Iso-Os)
Metronidazole in sodium chloride	Metro I.V.
Micafungin sodium	Mycamine
Miltefosine	Impavido
Minocycline HCl	Minocycline

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Minocycline HCl	Solodyn
Minocycline HCl	Minocin
Minocycline HCl	Coremino
Minocycline HCl	Ximino
Moxifloxacin HCl	Moxifloxacin
Moxifloxacin HCl	Avelox
Moxifloxacin HCl	Avelox Abc Pack
Moxifloxacin HCl in sodium acetate and sulfate, water, iso-osm	Moxifloxacin-Sod.Ace,Sul-Water
Moxifloxacin HCl/sodium chloride, iso-osmotic	Moxifloxacin In Nacl (Iso-Osm)
Moxifloxacin HCl/sodium chloride, iso-osmotic	Avelox In Nacl (Iso-Osmotic)
Nafcillin in dextrose, iso-osmotic	Nafcillin In Dextrose Iso-Osm
Nafcillin sodium	Nafcillin
Neomycin sulfate	Neomycin
Nitazoxanide	Alinia
Nystatin	Nystatin
Ofloxacin	Ofloxacin
Oritavancin diphosphate	Orbactiv
Oseltamivir phosphate	Oseltamivir
Oseltamivir phosphate	Tamiflu
Oxacillin sodium	Oxacillin
Oxacillin sodium in iso-osmotic dextrose	Oxacillin In Dextrose(Iso-Osm)
Paromomycin sulfate	Paromomycin
Penicillin g benzathine	Bicillin L-A
Penicillin g benzathine/penicillin g procaine	Bicillin C-R
Penicillin g potassium	Pfizerpen-G
Penicillin g potassium	Penicillin G Potassium
Penicillin g potassium/dextrose-water	Penicillin G Pot In Dextrose
Penicillin g procaine	Penicillin G Procaine
Penicillin g sodium	Penicillin G Sodium
Penicillin v potassium	Penicillin V Potassium
Pentamidine isethionate	Pentam
Pentamidine isethionate	Nebupent
Peramivir/pf	Rapivab
Piperacillin and tazobactam in dextrose, iso-osmotic	Zosyn In Dextrose (Iso-Osm)
Piperacillin sodium/tazobactam sodium	Piperacillin-Tazobactam
Piperacillin sodium/tazobactam sodium	Zosyn
Polymyxin b sulfate	Polymyxin B Sulfate
Posaconazole	Noxafil
Praziquantel	Biltricide
Primaquine phosphate	Primaquine
Pyrantel pamoate	Pin-X
Pyrantel pamoate	Reese's Pinworm Medicine
Pyrazinamide	Pyrazinamide
Pyrimethamine	Daraprim

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Quinupristin/dalfopristin	Synercid
Ribavirin	Ribavirin
Ribavirin	Virazole
Rifabutin	Rifabutin
Rifabutin	Mycobutin
Rifampin	Rifampin
Rifampin	Rifadin
Rifampin/isoniazid	Rifamate
Rifampin/isoniazid/pyrazinamide	Rifater
Rifapentine	Priftin
Rifaximin	Xifaxan
Rimantadine HCl	Flumadine
Rimantadine HCl	Rimantadine
Secnidazole	Solosec
Streptomycin sulfate	Streptomycin
Sulfadiazine	Sulfadiazine
Sulfamethoxazole/trimethoprim	Sulfamethoxazole-Trimethoprim
Sulfamethoxazole/trimethoprim	Bactrim DS
Sulfamethoxazole/trimethoprim	Bactrim
Sulfamethoxazole/trimethoprim	Sulfatrim
Tedizolid phosphate	Sivextro
Telavancin HCl	Vibativ
Telithromycin	Ketek
Terbinafine HCl	Terbinafine HCl
Terbinafine HCl	Lamisil
Tetracycline HCl	Tetracycline
Ticarcillin disodium/potassium clavulanate	Ticarcillin-K Clavulanat (bulk)
Tigecycline	Tygacil
Tigecycline	Tigecycline
Tinidazole	Tindamax
Tinidazole	Tinidazole
Tobramycin sulfate	Tobramycin Sulfate
Tobramycin sulfate/sodium chloride	Tobramycin In 0.9 % Nacl
Trimethoprim	Trimethoprim
Trimethoprim	Primsol
Trimethoprim	Trimpex
Valacyclovir HCl	Valacyclovir
Valacyclovir HCl	Valtrex
Valganciclovir HCl	Valganciclovir
Valganciclovir HCl	Valcyte
Vancomycin HCl	Vancomycin
Vancomycin HCl	Vancocin
Vancomycin in 0.9 % sodium chloride	Vancomycin In 0.9 % Sodium Chl
Vancomycin in 5 % dextrose in water	Vancomycin In Dextrose 5 %
Voriconazole	Voriconazole
Voriconazole	Vfend IV
Voriconazole	Vfend

Treatment for Inflammatory Bowel Disease, Psoriasis, or a Rheumatological Condition	
Abatacept	Orencia
Abatacept	Orencia Clickject
Abatacept/maltose	Orencia (With Maltose)

Appendix D. Generic and Brand Names of Medical Products Used to Define Inclusion Criteria in this Request

Generic Name	Brand Name
Adalimumab	Humira
Adalimumab	Humira Pediatric Crohn's Start
Adalimumab	Humira Pen
Adalimumab	Humira Pen Crohn's-Uc-Hs Start
Adalimumab	Humira Pen Psoriasis-Uveitis
Anakinra	Kineret
Belimumab	Benlysta
Brodalumab	Siliq
Canakinumab/pf	Ilaris (PF)
Certolizumab pegol	Cimzia Powder For Reconst
Certolizumab pegol	Cimzia
Certolizumab pegol	Cimzia Starter Kit
Etanercept	Enbrel
Etanercept	Enbrel Mini
Etanercept	Enbrel Sureclick
Golimumab	Simponi
Golimumab	Simponi ARIA
Guselkumab	Tremfya
Infliximab	Remicade
Infliximab-abda	Renflexis
Infliximab-dyyb	Inflectra
Ixekizumab	Taltz Autoinjector
Ixekizumab	Taltz Autoinjector (3 Pack)
Ixekizumab	Taltz Autoinjector (2 Pack)
Ixekizumab	Taltz Syringe
Ixekizumab	Taltz Syringe (3 Pack)
Ixekizumab	Taltz Syringe (2 Pack)
Natalizumab	Tysabri
Rilonacept	Arcalyst
Rituximab	Rituxan
Rituximab/hyaluronidase, human recombinant	Rituxan Hycela
Sarilumab	Kevzara
Secukinumab	Cosentyx Pen (2 Pens)
Secukinumab	Cosentyx Pen
Secukinumab	Cosentyx
Secukinumab	Cosentyx (2 Syringes)
Tocilizumab	Actemra
Ustekinumab	Stelara
Vedolizumab	Entyvio

Appendix E. Specifications Defining Parameters Used in this Request

This request used the Cohort Identification and Descriptive Analysis (CIDA) module, version 7.3.2, to developed and validate an ICD-10-based diagnostic coding algorithm to identify seven serious infections (acute meningitis, acute osteomyelitis, bacteremia, pneumonia, pyelonephritis, serious gastrointestinal infection, skin/soft tissue infection) among immunocompromised health plan members within the Sentinel Distributed Database (SDD).

Query Period: July 1, 2016 - August 31, 2018
Enrollment Requirement: 365 days
Enrollment Gap: 45 days
Coverage Requirement: Medical and Drug
Age Stratifications: 0-19, 20-44, 45-64, 65+ Years
Results Stratified by: Age, sex, year
Chart Availability: Required
Envelope Macro: Turned off; not reclassifying same-day inpatient and outpatient encounters to inpatient
Data Partners: 12 Data Partners

		Event				Inclusion/Exclusion Criteria			
Scenario	Exposure	Group Name	Care Setting	Washout (days)	Cohort Definition	Type	Event	Care Setting	Look Period
1	Acute meningitis	Meningitis	Inpatient (IP)	0	01 (cohort re-entry not allowed)	Inclusion	Serious/non-serious infection	Emergency Department (ED), outpatient (ambulatory visit (AV), other ambulatory visit (OA))	(-7, 0)
							OR		
							Antimicrobial use	AV, OA	
							AND		
						Inclusion	Inflammatory bowel disease (IBD), psoriasis, or a rheumatological condition	Any	(-365, 0)
							AND		
						Inclusion	Treatment for IBD, psoriasis, or a rheumatological condition	AV, OA	(-90, 0)
2	Acute osteomyelitis	Osteomyelitis	IP	0	01 (cohort re-entry not allowed)	Inclusion	Serious/non-serious infection	ED, AV, OA	(-7, 0)
							OR		
							Antimicrobial use	AV, OA	
							AND		
						Inclusion	IBD, psoriasis, or a rheumatological condition	Any	(-365, 0)
							AND		
						Inclusion	Treatment for IBD, psoriasis, or a rheumatological condition	AV, OA	(-90, 0)

Appendix E. Specifications Defining Parameters Used in this Request

		Event					Inclusion/Exclusion Criteria		
Scenario	Exposure	Group Name	Care Setting	Washout (days)	Cohort Definition	Type	Event	Care Setting	Look Period
3	Bacteremia	Bacteremia	IP	0	01 (cohort re-entry not allowed)	Inclusion	Serious/non-serious infection OR Antimicrobial use	ED, AV, OA / AV, OA	(-7, 0)
							AND		
						Inclusion	IBD, psoriasis, or a rheumatological condition	Any	(-365, 0)
							AND		
						Inclusion	Treatment for IBD, psoriasis, or a rheumatological condition	AV, OA	(-90, 0)
4	Pneumonia	Pneumonia	IP	0	01 (cohort re-entry not allowed)	Inclusion	Serious/non-serious infection OR Antimicrobial use	ED, AV, OA / AV, OA	(-7, 0)
							AND		
						Inclusion	IBD, psoriasis, or a rheumatological condition	Any	(-365, 0)
							AND		
						Inclusion	Treatment for IBD, psoriasis, or a rheumatological condition	AV, OA	(-90, 0)
5	Pyelonephritis	Pyelonephritis	IP	0	01 (cohort re-entry not allowed)	Inclusion	Serious/non-serious infection OR Antimicrobial use	ED, AV, OA / AV, OA	(-7, 0)
							AND		
						Inclusion	IBD, psoriasis, or a rheumatological condition	Any	(-365, 0)
							AND		
						Inclusion	Treatment for IBD, psoriasis, or a rheumatological condition	AV, OA	(-90, 0)
6	Serious Gastrointestinal (GI) infection	GI	IP	0	01 (cohort re-entry not allowed)	Inclusion	Serious/non-serious infection OR Antimicrobial use	ED, AV, OA / AV, OA	(-7, 0)
							AND		
						Inclusion	IBD, psoriasis, or a rheumatological condition	Any	(-365, 0)
							AND		
						Inclusion	Treatment for IBD, psoriasis, or a rheumatological condition	AV, OA	(-90, 0)

Event					Inclusion/Exclusion Criteria			
Scenario	Exposure	Group Name	Care Setting	Washout (days)	Cohort Definition	Type	Event	Care Setting	Look Period
7	Skin/soft tissue infection	Tissue	IP	0	01 (cohort re-entry not allowed)	Inclusion	Serious/non-serious infection OR Antimicrobial use	ED, AV, OA AV, OA	(-7, 0)
							AND		
						Inclusion	IBD, psoriasis, or a rheumatological condition	Any	(-365, 0)
							AND		
						Inclusion	Treatment for IBD, psoriasis, or a rheumatological condition	AV, OA	(-90, 0)

International Classification of Diseases, Ninth Revision, Clinical Modification (ICD-9-CM), International Classification of Diseases, Tenth Revision, Clinical Modification (ICD-10-CM), Healthcare Common Procedure Coding System (HCPCS), and Current Procedural Terminology, Fourth Edition (CPT-4) codes are provided by Optum360.

NDC codes are checked against First Data Bank's "National Drug Data File (NDDF®) Plus."