Public Query Report


Rationale for Network Query of PCORnet Data Resources:
This network query of PCORnet data resources was requested by the Patient-Centered Outcomes Research Institute® (PCORI®) in collaboration with the PCORnet Network Partners. Network queries are developed, distributed, and processed through the PCORnet® Front Door, which is the point of contact and manages all data network requests.

This query of PCORnet data resources was motivated by the national shift in care delivery and coverage of telehealth during the COVID-19 pandemic. Unprecedented telehealth utilization resulted due to efforts to support continuity of care delivery during the pandemic. The extent to which the PCORnet® infrastructure could be used to characterize patient utilization of telehealth services was of primary interest, with the goal of characterizing the capacity of the network to support investigator-initiated patient-centered comparative effectiveness research (CER) on telehealth. In addition, the query will inform the potential development of future, targeted investments in research focused on telehealth.

Background on PCORnet®:
PCORnet is a large, distributed “network of networks” (Figure 1) funded by PCORI to improve the nation’s capacity to efficiently conduct definitive health research, particularly patient-centered comparative clinical effectiveness research (CER).

At the time the query was conducted, 63 data contributing partners across eight Clinical Research Networks (CRNs) were participating in PCORnet. In addition to these partners, PCORnet also comprises patient partners and a Coordinating Center. Collectively, CRN data-contributing partners consist of more than thirteen thousand clinical sites across the U.S., including large academic health systems, hospitals, federally qualified health centers, and community clinics. A heatmap reflecting the geographic distribution of sites and more than 30 million patient encounters, is available on PCORnet.org.

1 A data contributing partner may include multiple clinics, hospitals, health networks, and other care settings.
2 PCORnet CRNs recently added sixteen (16) new sites to the network. These sites are not included in the analysis.
A unique feature of PCORnet is that all data contributing partners store a version of their clinical data in the same standardized data model, the PCORnet® Common Data Model (CDM). In this distributed network, data holders (e.g., health systems, clinics) maintain physical control, use, and manage the transfer of their data to the CRNs, the Coordinating Center for PCORnet and data requestors.

**Query Description:**
This query of PCORnet data resources describes the patients who utilized telehealth services that are served by PCORnet partner sites. The query does not include descriptives of the magnitude of telehealth utilization or the telehealth modalities used. The query also included a comparison to the patient population with ambulatory encounters. The query results will inform how PCORnet can be used for patient-centered CER studies and trials related to telehealth and opportunities to enhance PCORnet data resources for research on telehealth. In addition, the query aims to demonstrate the utility of PCORnet to:

- Describe coding of telehealth visits in the EHR
- Identify general trends in telehealth utilization, and potential disparities in its delivery before and during the COVID-19 pandemic.
- Illustrate the extent to which utilization of telehealth to manage one or more chronic conditions in underserved populations,
- Identify populations in PCORnet that may offer opportunities to conduct patient-centered CER on telehealth.
Query Methodology, Criteria and Engagement:
This query of PCORnet data resources describes the characteristics of patients with telehealth encounters at a partner site participating in PCORnet during a 3-year period beginning prior to the onset of the COVID-19 pandemic (January 1, 2019, to September 30, 2022). The query examined the demographic characteristics of the population utilizing telehealth services during the query period, including the presence of chronic conditions and the characteristics of the telehealth visit and characterized patient Socioeconomic Status (SES) through the Area Deprivation Index (ADI) by 5-digit zip code.

The Coordinating Center for PCORnet programmed and distributed this descriptive query to 60 of the 63 data contributing partners, as three were claims partners not typically included in PCORnet feasibility queries.

As with all PCORI topics, the development process includes a review of the relevant literature and engagement with stakeholders such as subject matter experts and patient partners. Additionally, to demonstrate reuse of network resources, the Coordinating Center used previously established code sets for International Classification of Diseases (ICD-10) and Current Procedural Terminology (CPT) codes for conditions and procedures included in this query.3 Patient and clinician stakeholders reviewed the query results and public query report prior to public dissemination.

Patient encounters were included in this query if they met the following criteria:

- An encounter at a partner site in the period between January 1, 2019, and September 30, 2022, to capture time horizon of the COVID-19 pandemic; and
- A record for any diagnosis or procedure in the telehealth care setting from January 1, 2019, to September 30, 2022; or
- A minimum of one encounter and a record for any diagnosis or procedure in the ambulatory care setting from January 1, 2019, to September 30, 2022.

Age was calculated at the time of the most recent health care encounter and included three categories: 0-17, 18-64, 65+ years. Chronic conditions and comorbidities were included if they were recorded within 3 years prior to the telehealth encounter. The Combined Comorbidity Score was included to characterize the overall burden of chronic diseases and conditions for patients receiving telehealth services.4 The Coordinating Center and partner sites conducted geographic assessment to characterize state of address and SES through the ADI by zip code.

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Results:
Forty-nine data contributing partners (82%) participating in PCORnet contributed data to the query request on patients with a recorded diagnosis or procedure in a telehealth care setting. For the aggregated baseline characteristics of monthly visits and geographic characterization of SES, all 49 partners were able to run the query, but only 31 (63%) partners returned results that included monthly counts of people with telehealth encounters due to potential missingness of those data in the local PCORnet CDM. Results for SES and monthly/annual visits are presented for only these 31 partner sites.

Table 1 provides details of the demographic characteristics of the patients receiving telehealth services from January 1, 2019, through September 30, 2022. Over 9 million unique patients received telehealth services during the 3-year query period, compared to over 40 million patients with ambulatory encounters. Results demonstrate that over 3 million patients (36%) had at least one telehealth visit over the first three quarters of 2022.

Patients receiving telehealth services most frequently had diagnoses of hypertension (29%), hyperlipidemia (27%), depression (17%) and arthritis (17%). Nearly 60% of patients with telehealth encounters had one or more of the specified chronic conditions. The mean Combined Comorbidity score for patients receiving telehealth services was 1.2 (standard deviation +/- 2.2). For the over 40 million patients with ambulatory visits during the 3-year query period, the mean Combined Comorbidity score was 0.7 (standard deviation +/- 1.8). For the Combined Comorbidity score, the higher the score, the higher overall burden of chronic disease patients may have.

Table 2 describes the visits by year and month during the query period and is stratified by patients receiving ambulatory and telehealth services. The proportion of all telehealth users who had a telehealth encounter in each month telehealth encounters increased from <1% to 14% after the onset of the COVID-19 pandemic in April 2020, and remained between 5-7% during 2022. A visual of the counts of patients with ambulatory or telehealth encounters by month during the query period (2019-2022) is provided in Figure 2.

Table 2 also includes SES status for patients receiving ambulatory or telehealth services, as defined by zip code and the ADI. Approximately 30% of patients receiving telehealth services were in the lowest level of socioeconomic deprivation, while 16% were in the highest level of deprivation. The results reported in Table 2 are from 31 data contributing partners that includes representation from all 8 CRNs participating in PCORnet.

Limitations:
Data and analyses presented are descriptive and derived from diagnosis codes collected during healthcare encounters in the EHR. Rows and percentages may not round due to missing values and or if counts are less than 10 they are reported as <10 to protect patient privacy and risk of identification from aggregate values as outlined in the Data Privacy Statement for PCORnet®.
No inferential testing was conducted to compare populations or test hypotheses, as these are descriptive data only. Limitations with any EHR data analysis are applicable to this data, such as the possibility for misclassification due to imperfect algorithms and lack of consistent definition of enrollment to define cohorts. Results should be interpreted with these limitations in mind.

To ensure PCORnet data resources are of high quality for research, activities in preparation for research (e.g., network query requests), and to mitigate the limitations above, all PCORnet-accessible data resources undergo rigorous quality curation and screening as part of quarterly coordinated data quality assessment.

**Conclusion:**
This query of PCORnet data resources is the largest known, national-scale descriptive analysis of telehealth utilization using EHR encounter data and may be compared to recent survey-based reports\(^5\). The results presented in this report provide researchers and patient/caregiver partners with information about the capacity of the PCORnet infrastructure to contribute to future patient-centered CER related to telehealth use and outcomes, including as compared to ambulatory care use. Results presented in this Public Query Report are informative to the public in a variety of ways, such as the extent of telehealth use overall, and across chronic health conditions.

**Disclaimer:**
PCORnet\(^5\) is intended to improve the nation’s capacity to efficiently conduct patient-centered health research, particularly CER, by providing a large, highly representative network of health data, research expertise, and patient insights. PCORnet has been developed with funding from the Patient-Centered Outcomes Research Institute\(^\text{®}\) (PCORI\(^\text{®}\)).

Network queries that return only aggregate or limited data sets are covered by the PCORnet\(^\text{®}\) Master Data Sharing Agreement (version 4.0), and site-level blanket Institutional Review Board approvals.

The statements presented in this report do not necessarily represent the views of PCORI or other organizations participating in, collaborating with, or funding PCORnet.

For questions, comments or suggestions related to this PCORnet\(^\text{®}\) Front Door query or other PCORnet queries, please contact the PCORnet\(^\text{®}\) Front Door at [frontdoor@pcornet.org](mailto:frontdoor@pcornet.org).

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### Table 1. Demographic characteristics for patients receiving a telehealth visit at partner sites participating in PCORnet (January 1, 2019, to September 30, 2022).

<table>
<thead>
<tr>
<th></th>
<th>Ambulatory Encounter</th>
<th>Telehealth Encounter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of unique patient records</td>
<td>40,358,394</td>
<td>9,276,939</td>
</tr>
<tr>
<td>Mean Age (SD)</td>
<td>40.7 (±22.7)</td>
<td>43.2 (±21.3)</td>
</tr>
<tr>
<td>Female</td>
<td>56%</td>
<td>59%</td>
</tr>
<tr>
<td>Race</td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>63%</td>
<td>68%</td>
</tr>
<tr>
<td>Black or African American</td>
<td>13%</td>
<td>12%</td>
</tr>
<tr>
<td>American Indian or Alaska Native</td>
<td>&lt;1%</td>
<td>0%</td>
</tr>
<tr>
<td>Asian</td>
<td>3%</td>
<td>3%</td>
</tr>
<tr>
<td>Native Hawaiian or Other Pacific Islander</td>
<td>&lt;1%</td>
<td>0%</td>
</tr>
<tr>
<td>Multiple Races¹</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Other¹</td>
<td>8%</td>
<td>7%</td>
</tr>
<tr>
<td>Missing</td>
<td>12%</td>
<td>10%</td>
</tr>
<tr>
<td>Hispanic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>12%</td>
<td>11%</td>
</tr>
<tr>
<td>Year of most recent healthcare encounter (% contribution to cohort)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>15%</td>
<td>1%</td>
</tr>
<tr>
<td>2020</td>
<td>14%</td>
<td>31%</td>
</tr>
<tr>
<td>2021</td>
<td>23%</td>
<td>33%</td>
</tr>
<tr>
<td>2022</td>
<td>48%</td>
<td>36%</td>
</tr>
<tr>
<td>Chronic Conditions²</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hypertension</td>
<td>21%</td>
<td>29%</td>
</tr>
<tr>
<td>Hyperlipidemia</td>
<td>18%</td>
<td>27%</td>
</tr>
<tr>
<td>Arthritis (Osteoarthritis and Rheumatoid)</td>
<td>11%</td>
<td>17%</td>
</tr>
<tr>
<td>Depression</td>
<td>8%</td>
<td>17%</td>
</tr>
<tr>
<td>Diabetes</td>
<td>9%</td>
<td>13%</td>
</tr>
<tr>
<td>Asthma</td>
<td>6%</td>
<td>10%</td>
</tr>
<tr>
<td>Ischemic Heart Disease</td>
<td>6%</td>
<td>8%</td>
</tr>
<tr>
<td>Chronic Kidney Disease</td>
<td>5%</td>
<td>7%</td>
</tr>
<tr>
<td>Chronic Obstructive Pulmonary Disease</td>
<td>3%</td>
<td>5%</td>
</tr>
<tr>
<td>Heart Failure</td>
<td>3%</td>
<td>5%</td>
</tr>
<tr>
<td>Atrial Fibrillation</td>
<td>3%</td>
<td>4%</td>
</tr>
<tr>
<td>Osteoporosis</td>
<td>2%</td>
<td>4%</td>
</tr>
<tr>
<td>Autism Spectrum Disorders</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Breast Cancer</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Prostate Cancer</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Stroke</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Alzheimer’s Disease and Related Dementia</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Colorectal Cancer</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Hepatitis (Chronic Viral B &amp; C)</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>HIV / AIDS</td>
<td>&lt;1%</td>
<td>1%</td>
</tr>
<tr>
<td>Lung Cancer</td>
<td>&lt;1%</td>
<td>1%</td>
</tr>
<tr>
<td>Schizophrenia and Other Psychotic Disorders</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Number of Chronic Conditions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>None</td>
<td>58%</td>
<td>41%</td>
</tr>
<tr>
<td>1 or more chronic conditions</td>
<td>42%</td>
<td>59%</td>
</tr>
<tr>
<td>Combined Comorbidity Score</td>
<td>0.7 (±1.8)</td>
<td>1.2 (±2.2)</td>
</tr>
</tbody>
</table>

¹For this particular query “Multiple Race” is included in “Other”.

²Patients may have multiple conditions and be represented more than once across conditions; 42% of the ambulatory cohort had 1 or more conditions and 59% of the telehealth cohort had one or more chronic conditions.
### Table 2. Descriptive statistics of socioeconomic status and count of patient encounters by year and month.¹

<table>
<thead>
<tr>
<th>Area Deprivation Index (ADI)² at recent encounter</th>
<th>Ambulatory Encounter</th>
<th>Telehealth Encounter</th>
</tr>
</thead>
<tbody>
<tr>
<td>SES Q1</td>
<td>29%</td>
<td>32%</td>
</tr>
<tr>
<td>SES Q2</td>
<td>16%</td>
<td>16%</td>
</tr>
<tr>
<td>SES Q3</td>
<td>16%</td>
<td>16%</td>
</tr>
<tr>
<td>SES Q4</td>
<td>17%</td>
<td>16%</td>
</tr>
<tr>
<td>Missing</td>
<td>23%</td>
<td>20%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total % of unique patients with telehealth encounter over the full year</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
</tr>
<tr>
<td>2021</td>
</tr>
<tr>
<td>2020</td>
</tr>
<tr>
<td>2019</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total % of unique patients with telehealth encounter each month</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
</tr>
<tr>
<td>January</td>
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<tr>
<td>February</td>
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<tr>
<td>November</td>
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<tr>
<td>December</td>
</tr>
</tbody>
</table>

¹All 49 data contributing partners were able to run the query to answer these questions, but only 31 (63%) partners returned results that included the monthly counts of people with telehealth encounters, so results for SES as monthly/annual visits are presented for only these 31 partner sites.

²Area Deprivation Index (ADI): Patient 5-Digit Zip Codes are mapped to socioeconomic status by normalized Area Deprivation Index (ADI) value (0-100). Lower values are associated with lower deprivation and higher values are associated with higher deprivation. A ranking of 1 indicates the lowest level of “disadvantage” within the nation and an ADI with a ranking of 100 indicates the highest level of “disadvantage”. In this table, values are grouped into quartiles using the count of zip codes. Quartile 1 (SES Q1) represents the lowest range of ADI values and Quartile 4 (SES Q4) represents the highest range of ADI values (Q1=0-38, Q2=39-43, Q3=44-49, and Q4=50-100). For additional information regarding the ADI index, see the Neighborhood Atlas here: [https://www.neighborhoodatlas.medicine.wisc.edu/](https://www.neighborhoodatlas.medicine.wisc.edu/). Note that the Area Deprivation Index (ADI) is designed for validity at the 9-digit zip or census block group level rather than the 5-digit zip level.
Figure 2. Counts of Patients with Ambulatory or Telehealth Encounters by Month (2019-2022).
# APPENDIX A.

*Characterizing Telehealth Visits Across Clinical Research Networks Participating in PCORnet®, The National Patient-Centered Clinical Research Network*

Code sets for chronic conditions included in the telehealth query

<table>
<thead>
<tr>
<th>ICD-10 Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diabetes</strong></td>
<td></td>
</tr>
<tr>
<td>E08.*</td>
<td>Diabetes mellitus items</td>
</tr>
<tr>
<td>E09.*</td>
<td>Drug or chemical induced diabetes mellitus items</td>
</tr>
<tr>
<td>E10.*</td>
<td>Type 1 diabetes mellitus items</td>
</tr>
<tr>
<td>E11.*</td>
<td>Type 2 diabetes mellitus items</td>
</tr>
<tr>
<td>E13.*</td>
<td>Other specified diabetes mellitus items</td>
</tr>
</tbody>
</table>

| **Hyperlipidemia** | |
| E78.00          | Pure hypercholesterolemia, unspecified |
| E78.01          | Familial hypercholesterolemia |
| E78.1           | Pure hypergyceridemia |
| E78.2           | Mixed hyperlipidemia |
| E78.3           | Hyperchylomicronemia |
| E78.41          | Elevated Lipoprotein(a) |
| E78.49          | Other hyperlipidemia |
| E78.5           | Hyperlipidemia, unspecified |

<p>| <strong>Hypertension</strong> | |
| I10              | Essential (primary) hypertension |
| I11.0            | Hypertensive heart disease with heart failure |
| I11.9            | Hypertensive heart disease without heart failure |
| I12.0            | Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease |
| I12.9            | Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease |
| I13.0            | Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease |
| I13.10           | Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease |</p>
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>I13.11</td>
<td>Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease</td>
</tr>
<tr>
<td>I13.2</td>
<td>Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease</td>
</tr>
<tr>
<td>I15.0</td>
<td>Renovascular hypertension</td>
</tr>
<tr>
<td>I15.1</td>
<td>Hypertension secondary to other renal disorders</td>
</tr>
<tr>
<td>I15.2</td>
<td>Hypertension secondary to endocrine disorders</td>
</tr>
<tr>
<td>I15.8</td>
<td>Other secondary hypertension</td>
</tr>
<tr>
<td>I15.9</td>
<td>Secondary hypertension, unspecified</td>
</tr>
</tbody>
</table>

### Asthma

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>J45.005</td>
<td>Cough variant asthma</td>
</tr>
<tr>
<td>J45.20</td>
<td>Mild intermittent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.21</td>
<td>Mild intermittent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.22</td>
<td>Mild intermittent asthma with status asthmatic</td>
</tr>
<tr>
<td>J45.30</td>
<td>Mild persistent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.31</td>
<td>Mild persistent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.32</td>
<td>Mild persistent asthma with status asthmatic</td>
</tr>
<tr>
<td>J45.40</td>
<td>Moderate persistent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.41</td>
<td>Moderate persistent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.42</td>
<td>Moderate persistent asthma with status asthmatic</td>
</tr>
<tr>
<td>J45.50</td>
<td>Severe persistent asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.51</td>
<td>Severe persistent asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.52</td>
<td>Severe persistent asthma with status asthmatic</td>
</tr>
<tr>
<td>J45.901</td>
<td>Unspecified asthma with (acute) exacerbation</td>
</tr>
<tr>
<td>J45.902</td>
<td>Unspecified asthma with status asthmatic</td>
</tr>
<tr>
<td>J45.909</td>
<td>Unspecified asthma, uncomplicated</td>
</tr>
<tr>
<td>J45.99</td>
<td>Other asthma</td>
</tr>
<tr>
<td>J45.990</td>
<td>Exercise induced bronchospasm</td>
</tr>
<tr>
<td>J45.991</td>
<td>Cough variant asthma</td>
</tr>
<tr>
<td>J45.998</td>
<td>Other asthma</td>
</tr>
<tr>
<td>J82.83</td>
<td>Eosinophilic asthma</td>
</tr>
</tbody>
</table>

### Arthritis (Osteoarthritis and Rheumatoid)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
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M05.879 Other rheumatoid arthritis with rheumatoid factor of unspecified ankle and foot
M05.89 Other rheumatoid arthritis with rheumatoid factor of multiple sites
M05.8A Other rheumatoid arthritis with rheumatoid factor of other specified site
M05.9 Rheumatoid arthritis with rheumatoid factor, unspecified
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M06.011 Rheumatoid arthritis without rheumatoid factor, right shoulder
M06.012 Rheumatoid arthritis without rheumatoid factor, left shoulder
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M06.072 Rheumatoid arthritis without rheumatoid factor, left ankle and foot
M06.079 Rheumatoid arthritis without rheumatoid factor, unspecified ankle and foot
M06.08 Rheumatoid arthritis without rheumatoid factor, vertebrae
M06.09 Rheumatoid arthritis without rheumatoid factor, multiple sites
M06.0A Rheumatoid arthritis without rheumatoid factor, other specified site
M06.1 Adult-onset Stills disease
M06.20 Rheumatoid bursitis, unspecified site
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M06.212 Rheumatoid bursitis, left shoulder
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<td>M06.38</td>
<td>Rheumatoid nodule, vertebrae</td>
</tr>
</tbody>
</table>
M06.39  Rheumatoid nodule, multiple sites
M06.4   Inflammatory polyarthritis
M06.80  Other specified rheumatoid arthritis, unspecified site
M06.811 Other specified rheumatoid arthritis, right shoulder
M06.812 Other specified rheumatoid arthritis, left shoulder
M06.819 Other specified rheumatoid arthritis, unspecified shoulder
M06.821 Other specified rheumatoid arthritis, right elbow
M06.822 Other specified rheumatoid arthritis, left elbow
M06.829 Other specified rheumatoid arthritis, unspecified elbow
M06.831 Other specified rheumatoid arthritis, right wrist
M06.832 Other specified rheumatoid arthritis, left wrist
M06.839 Other specified rheumatoid arthritis, unspecified wrist
M06.841 Other specified rheumatoid arthritis, right hand
M06.842 Other specified rheumatoid arthritis, left hand
M06.849 Other specified rheumatoid arthritis, unspecified hand
M06.851 Other specified rheumatoid arthritis, right hip
M06.852 Other specified rheumatoid arthritis, left hip
M06.859 Other specified rheumatoid arthritis, unspecified hip
M06.861 Other specified rheumatoid arthritis, right knee
M06.862 Other specified rheumatoid arthritis, left knee
M06.869 Other specified rheumatoid arthritis, unspecified knee
M06.871 Other specified rheumatoid arthritis, right ankle and foot
M06.872 Other specified rheumatoid arthritis, left ankle and foot
M06.879 Other specified rheumatoid arthritis, unspecified ankle and foot
M06.88  Other specified rheumatoid arthritis, vertebrae
M06.89  Other specified rheumatoid arthritis, multiple sites
M06.8A  Other specified rheumatoid arthritis, other specified site
M06.9   Rheumatoid arthritis, unspecified
M45.0   Ankylosing spondylitis of multiple sites in spine
M45.1   Ankylosing spondylitis of occipito-atlanto-axial region
M45.2   Ankylosing spondylitis of cervical region
M45.3   Ankylosing spondylitis of cervicothoracic region
M45.4   Ankylosing spondylitis of thoracic region
M45.5   Ankylosing spondylitis of thoracolumbar region
M45.6   Ankylosing spondylitis lumbar region
M45.7   Ankylosing spondylitis of lumbosacral region
M45.8   Ankylosing spondylitis sacral and sacrocccygeal region
M45.9   Ankylosing spondylitis of unspecified sites in spine
M45.A0  Non-radiographic axial spondyloarthritis of unspecified sites in spine
M45.A1  Non-radiographic axial spondyloarthritis of occipito-atlanto-axial region
M45.A2  Non-radiographic axial spondyloarthritis of cervical region
M45.A3  Non-radiographic axial spondyloarthritis of cervicothoracic region
M45.A4  Non-radiographic axial spondyloarthritis of thoracic region
M45.A5  Non-radiographic axial spondyloarthritis of thoracolumbar region
M45.A6  Non-radiographic axial spondyloarthritis of lumbar region
M45.A7  Non-radiographic axial spondyloarthritis of lumbosacral region
M45.A8  Non-radiographic axial spondyloarthritis of sacral and sacrococcygeal region
M45.AB  Non-radiographic axial spondyloarthritis of multiple sites in spine
M48.8X1 Other specified spondylopathies, occipito-atlanto-axial region
M48.8X2 Other specified spondylopathies, cervical region
M48.8X3 Other specified spondylopathies, cervicothoracic region
M48.8X4 Other specified spondylopathies, thoracic region
M48.8X5 Other specified spondylopathies, thoracolumbar region
M48.8X6 Other specified spondylopathies, lumbar region
M48.8X7 Other specified spondylopathies, lumbosacral region
M48.8X8 Other specified spondylopathies, sacral and sacrococcygeal region
M48.8X9 Other specified spondylopathies, site unspecified
M15.0  Primary generalized (osteo)arthritis
M15.1  Heberdens nodes (with arthropathy)
M15.2  Bouchards nodes (with arthropathy)
M15.3  Secondary multiple arthritis
M15.4  Erosive (osteo)arthritis
M15.8  Other polyosteoarthritis
M15.9  Polyosteoarthritis, unspecified
M16.0  Bilateral primary osteoarthritis of hip
M16.10 Unilateral primary osteoarthritis, unspecified hip
M16.11 Unilateral primary osteoarthritis, right hip
M16.12 Unilateral primary osteoarthritis, left hip
M16.2  Bilateral osteoarthritis resulting from hip dysplasia
M16.30 Unilateral osteoarthritis resulting from hip dysplasia, unspecified hip
M16.31 Unilateral osteoarthritis resulting from hip dysplasia, right hip
M16.32 Unilateral osteoarthritis resulting from hip dysplasia, left hip
M16.4  Bilateral post-traumatic osteoarthritis of hip
M16.50 Unilateral post-traumatic osteoarthritis, unspecified hip
M16.51 Unilateral post-traumatic osteoarthritis, right hip
M16.52 Unilateral post-traumatic osteoarthritis, left hip
M16.6  Other bilateral secondary osteoarthritis of hip
M16.7  Other unilateral secondary osteoarthritis of hip
M16.9  Osteoarthritis of hip, unspecified
M17.0  Bilateral primary osteoarthritis of knee
M17.10 Unilateral primary osteoarthritis, unspecified knee
M17.11 Unilateral primary osteoarthritis, right knee
M17.12 Unilateral primary osteoarthritis, left knee
M17.2 Bilateral post-traumatic osteoarthritis of knee
M17.30 Unilateral post-traumatic osteoarthritis, unspecified knee
M17.31 Unilateral post-traumatic osteoarthritis, right knee
M17.32 Unilateral post-traumatic osteoarthritis, left knee
M17.4 Other bilateral secondary osteoarthritis of knee
M17.5 Other unilateral secondary osteoarthritis of knee
M17.9 Osteoarthritis of knee, unspecified
M18.0 Bilateral primary osteoarthritis of first carpometacarpal joints
M18.10 Unilateral primary osteoarthritis of first carpometacarpal joint, unspecified hand
M18.11 Unilateral primary osteoarthritis of first carpometacarpal joint, right hand
M18.12 Unilateral primary osteoarthritis of first carpometacarpal joint, left hand
M18.2 Bilateral post-traumatic osteoarthritis of first carpometacarpal joints
M18.30 Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, unspecified hand
M18.31 Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, right hand
M18.32 Unilateral post-traumatic osteoarthritis of first carpometacarpal joint, left hand
M18.4 Other bilateral secondary osteoarthritis of first carpometacarpal joints
M18.50 Other unilateral secondary osteoarthritis of first carpometacarpal joint, unspecified hand
M18.51 Other unilateral secondary osteoarthritis of first carpometacarpal joint, right hand
M18.52 Other unilateral secondary osteoarthritis of first carpometacarpal joint, left hand
M18.9 Osteoarthritis of first carpometacarpal joint, unspecified
M19.011 Primary osteoarthritis, right shoulder
M19.012 Primary osteoarthritis, left shoulder
M19.019 Primary osteoarthritis, unspecified shoulder
M19.021 Primary osteoarthritis, right elbow
M19.022 Primary osteoarthritis, left elbow
M19.029 Primary osteoarthritis, unspecified elbow
M19.031 Primary osteoarthritis, right wrist
M19.032 Primary osteoarthritis, left wrist
M19.039 Primary osteoarthritis, unspecified wrist
M19.041 Primary osteoarthritis, right hand
M19.042 Primary osteoarthritis, left hand
M19.049 Primary osteoarthritis, unspecified hand
M19.071 Primary osteoarthritis, right ankle and foot
M19.072 Primary osteoarthritis, left ankle and foot
M19.079 Primary osteoarthritis, unspecified ankle and foot
M19.09 Primary osteoarthritis, other specified site
M19.111 Post-traumatic osteoarthritis, right shoulder
M19.112 Post-traumatic osteoarthritis, left shoulder
M19.119 Post-traumatic osteoarthritis, unspecified shoulder
M19.121 Post-traumatic osteoarthritis, right elbow
M19.122 Post-traumatic osteoarthritis, left elbow
M19.129 Post-traumatic osteoarthritis, unspecified elbow
M19.131 Post-traumatic osteoarthritis, right wrist
M19.132 Post-traumatic osteoarthritis, left wrist
M19.139 Post-traumatic osteoarthritis, unspecified wrist
M19.141 Post-traumatic osteoarthritis, right hand
M19.142 Post-traumatic osteoarthritis, left hand
M19.149 Post-traumatic osteoarthritis, unspecified hand
M19.171 Post-traumatic osteoarthritis, right ankle and foot
M19.172 Post-traumatic osteoarthritis, left ankle and foot
M19.179 Post-traumatic osteoarthritis, unspecified ankle and foot
M19.19 Post-traumatic osteoarthritis, other specified site
M19.211 Secondary osteoarthritis, right shoulder
M19.212 Secondary osteoarthritis, left shoulder
M19.219 Secondary osteoarthritis, unspecified shoulder
M19.221 Secondary osteoarthritis, right elbow
M19.222 Secondary osteoarthritis, left elbow
M19.229 Secondary osteoarthritis, unspecified elbow
M19.231 Secondary osteoarthritis, right wrist
M19.232 Secondary osteoarthritis, left wrist
M19.239 Secondary osteoarthritis, unspecified wrist
M19.241 Secondary osteoarthritis, right hand
M19.242 Secondary osteoarthritis, left hand
M19.249 Secondary osteoarthritis, unspecified hand
M19.271 Secondary osteoarthritis, right ankle and foot
M19.272 Secondary osteoarthritis, left ankle and foot
M19.279 Secondary osteoarthritis, unspecified ankle and foot
M19.29 Secondary osteoarthritis, other specified site
M19.90 Unspecified osteoarthritis, unspecified site
M19.91 Primary osteoarthritis, unspecified site
M19.92 Post-traumatic osteoarthritis, unspecified site
M19.93 Secondary osteoarthritis, unspecified site
M08.00 Unspecified juvenile rheumatoid arthritis of unspecified site
<table>
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<tr>
<th>Code</th>
<th>Description</th>
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<tr>
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<td>M08.019</td>
<td>Unspecified juvenile rheumatoid arthritis, unspecified shoulder</td>
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<td>M08.021</td>
<td>Unspecified juvenile rheumatoid arthritis, right elbow</td>
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<td>Unspecified juvenile rheumatoid arthritis, left elbow</td>
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<td>M08.029</td>
<td>Unspecified juvenile rheumatoid arthritis, unspecified elbow</td>
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<td>M08.031</td>
<td>Unspecified juvenile rheumatoid arthritis, right wrist</td>
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<td>M08.032</td>
<td>Unspecified juvenile rheumatoid arthritis, left wrist</td>
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<td>M08.039</td>
<td>Unspecified juvenile rheumatoid arthritis, unspecified wrist</td>
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<td>Unspecified juvenile rheumatoid arthritis, right hand</td>
</tr>
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<td>M08.042</td>
<td>Unspecified juvenile rheumatoid arthritis, left hand</td>
</tr>
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<td>M08.049</td>
<td>Unspecified juvenile rheumatoid arthritis, unspecified hand</td>
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<td>M08.051</td>
<td>Unspecified juvenile rheumatoid arthritis, right hip</td>
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<td>M08.052</td>
<td>Unspecified juvenile rheumatoid arthritis, left hip</td>
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<td>Unspecified juvenile rheumatoid arthritis, unspecified hip</td>
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<td>M08.072</td>
<td>Unspecified juvenile rheumatoid arthritis, left ankle and foot</td>
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<td>M08.079</td>
<td>Unspecified juvenile rheumatoid arthritis, unspecified ankle and foot</td>
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<td>M08.08</td>
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<td>M08.09</td>
<td>Unspecified juvenile rheumatoid arthritis, multiple sites</td>
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<td>M08.0A</td>
<td>Unspecified juvenile rheumatoid arthritis, other specified site</td>
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<td>M08.1</td>
<td>Juvenile ankylosing spondylitis</td>
</tr>
<tr>
<td>M08.20</td>
<td>Juvenile rheumatoid arthritis with systemic onset, unspecified site</td>
</tr>
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<td>M08.211</td>
<td>Juvenile rheumatoid arthritis with systemic onset, right shoulder</td>
</tr>
<tr>
<td>M08.212</td>
<td>Juvenile rheumatoid arthritis with systemic onset, left shoulder</td>
</tr>
<tr>
<td>M08.219</td>
<td>Juvenile rheumatoid arthritis with systemic onset, unspecified shoulder</td>
</tr>
<tr>
<td>M08.221</td>
<td>Juvenile rheumatoid arthritis with systemic onset, right elbow</td>
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<tr>
<td>M08.222</td>
<td>Juvenile rheumatoid arthritis with systemic onset, left elbow</td>
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<td>M08.229</td>
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<tr>
<td>M08.231</td>
<td>Juvenile rheumatoid arthritis with systemic onset, right wrist</td>
</tr>
<tr>
<td>M08.232</td>
<td>Juvenile rheumatoid arthritis with systemic onset, left wrist</td>
</tr>
<tr>
<td>M08.239</td>
<td>Juvenile rheumatoid arthritis with systemic onset, unspecified wrist</td>
</tr>
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<td>M08.241</td>
<td>Juvenile rheumatoid arthritis with systemic onset, right hand</td>
</tr>
<tr>
<td>M08.242</td>
<td>Juvenile rheumatoid arthritis with systemic onset, left hand</td>
</tr>
<tr>
<td>M08.249</td>
<td>Juvenile rheumatoid arthritis with systemic onset, unspecified hand</td>
</tr>
<tr>
<td>M08.251</td>
<td>Juvenile rheumatoid arthritis with systemic onset, right hip</td>
</tr>
<tr>
<td>M08.252</td>
<td>Juvenile rheumatoid arthritis with systemic onset, left hip</td>
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</table>
M08.259 Juvenile rheumatoid arthritis with systemic onset, unspecified hip
M08.261 Juvenile rheumatoid arthritis with systemic onset, right knee
M08.262 Juvenile rheumatoid arthritis with systemic onset, left knee
M08.269 Juvenile rheumatoid arthritis with systemic onset, unspecified knee
M08.271 Juvenile rheumatoid arthritis with systemic onset, right ankle and foot
M08.272 Juvenile rheumatoid arthritis with systemic onset, left ankle and foot
M08.279 Juvenile rheumatoid arthritis with systemic onset, unspecified ankle and foot
M08.28 Juvenile rheumatoid arthritis with systemic onset, vertebrae
M08.29 Juvenile rheumatoid arthritis with systemic onset, multiple sites
M08.2A Juvenile rheumatoid arthritis with systemic onset, other specified site
M08.3 Juvenile rheumatoid polyarthritis (seronegative)
M08.40 Pauciarticular juvenile rheumatoid arthritis, unspecified site
M08.411 Pauciarticular juvenile rheumatoid arthritis, right shoulder
M08.412 Pauciarticular juvenile rheumatoid arthritis, left shoulder
M08.419 Pauciarticular juvenile rheumatoid arthritis, unspecified shoulder
M08.421 Pauciarticular juvenile rheumatoid arthritis, right elbow
M08.422 Pauciarticular juvenile rheumatoid arthritis, left elbow
M08.429 Pauciarticular juvenile rheumatoid arthritis, unspecified elbow
M08.431 Pauciarticular juvenile rheumatoid arthritis, right wrist
M08.432 Pauciarticular juvenile rheumatoid arthritis, left wrist
M08.439 Pauciarticular juvenile rheumatoid arthritis, unspecified wrist
M08.441 Pauciarticular juvenile rheumatoid arthritis, right hand
M08.442 Pauciarticular juvenile rheumatoid arthritis, left hand
M08.449 Pauciarticular juvenile rheumatoid arthritis, unspecified hand
M08.451 Pauciarticular juvenile rheumatoid arthritis, right hip
M08.452 Pauciarticular juvenile rheumatoid arthritis, left hip
M08.459 Pauciarticular juvenile rheumatoid arthritis, unspecified hip
M08.461 Pauciarticular juvenile rheumatoid arthritis, right knee
M08.462 Pauciarticular juvenile rheumatoid arthritis, left knee
M08.469 Pauciarticular juvenile rheumatoid arthritis, unspecified knee
M08.471 Pauciarticular juvenile rheumatoid arthritis, right ankle and foot
M08.472 Pauciarticular juvenile rheumatoid arthritis, left ankle and foot
M08.479 Pauciarticular juvenile rheumatoid arthritis, unspecified ankle and foot
M08.48 Pauciarticular juvenile rheumatoid arthritis, vertebrae
M08.4A Pauciarticular juvenile rheumatoid arthritis, other specified site
M08.80 Other juvenile arthritis, unspecified site
M08.811 Other juvenile arthritis, right shoulder
M08.812 Other juvenile arthritis, left shoulder
M08.819 Other juvenile arthritis, unspecified shoulder
M08.821 Other juvenile arthritis, right elbow
M08.822 Other juvenile arthritis, left elbow
M08.829 Other juvenile arthritis, unspecified elbow
M08.831 Other juvenile arthritis, right wrist
M08.832 Other juvenile arthritis, left wrist
M08.839 Other juvenile arthritis, unspecified wrist
M08.841 Other juvenile arthritis, right hand
M08.842 Other juvenile arthritis, left hand
M08.849 Other juvenile arthritis, unspecified hand
M08.851 Other juvenile arthritis, right hip
M08.852 Other juvenile arthritis, left hip
M08.859 Other juvenile arthritis, unspecified hip
M08.861 Other juvenile arthritis, right knee
M08.862 Other juvenile arthritis, left knee
M08.869 Other juvenile arthritis, unspecified knee
M08.871 Other juvenile arthritis, right ankle and foot
M08.872 Other juvenile arthritis, left ankle and foot
M08.879 Other juvenile arthritis, unspecified ankle and foot
M08.88 Other juvenile arthritis, other specified site
M08.89 Other juvenile arthritis, multiple sites
M08.90 Juvenile arthritis, unspecified, unspecified site
M08.911 Juvenile arthritis, unspecified, right shoulder
M08.912 Juvenile arthritis, unspecified, left shoulder
M08.919 Juvenile arthritis, unspecified, unspecified shoulder
M08.921 Juvenile arthritis, unspecified, right elbow
M08.922 Juvenile arthritis, unspecified, left elbow
M08.929 Juvenile arthritis, unspecified, unspecified elbow
M08.931 Juvenile arthritis, unspecified, right wrist
M08.932 Juvenile arthritis, unspecified, left wrist
M08.939 Juvenile arthritis, unspecified, unspecified wrist
M08.941 Juvenile arthritis, unspecified, right hand
M08.942 Juvenile arthritis, unspecified, left hand
M08.949 Juvenile arthritis, unspecified, unspecified hand
M08.951 Juvenile arthritis, unspecified, right hip
M08.952 Juvenile arthritis, unspecified, left hip
M08.959 Juvenile arthritis, unspecified, unspecified hip
M08.961 Juvenile arthritis, unspecified, right knee
M08.962 Juvenile arthritis, unspecified, left knee
M08.969 Juvenile arthritis, unspecified, unspecified knee
M08.971 Juvenile arthritis, unspecified, right ankle and foot
M08.972 Juvenile arthritis, unspecified, left ankle and foot
M08.979  Juvenile arthritis, unspecified, unspecified ankle and foot
M08.98  Juvenile arthritis, unspecified, vertebrae
M08.99  Juvenile arthritis, unspecified, multiple sites
M08.9A  Juvenile arthritis, unspecified, other specified site
M46.80  Other specified inflammatory spondylopathies, site unspecified
M46.81  Other specified inflammatory spondylopathies, occipito-atlanto-axial region
M46.82  Other specified inflammatory spondylopathies, cervical region
M46.83  Other specified inflammatory spondylopathies, cervicothoracic region
M46.84  Other specified inflammatory spondylopathies, thoracic region
M46.85  Other specified inflammatory spondylopathies, thoracolumbar region
M46.86  Other specified inflammatory spondylopathies, lumbar region
M46.87  Other specified inflammatory spondylopathies, lumbosacral region
M46.88  Other specified inflammatory spondylopathies, sacral and sacrococcygeal region
M46.89  Other specified inflammatory spondylopathies, multiple sites in spine
M46.90  Unspecified inflammatory spondylopathy, site unspecified
M46.91  Unspecified inflammatory spondylopathy, occipito-atlanto-axial region
M46.92  Unspecified inflammatory spondylopathy, cervical region
M46.93  Unspecified inflammatory spondylopathy, cervicothoracic region
M46.94  Unspecified inflammatory spondylopathy, thoracic region
M46.95  Unspecified inflammatory spondylopathy, thoracolumbar region
M46.96  Unspecified inflammatory spondylopathy, lumbar region
M46.97  Unspecified inflammatory spondylopathy, lumbosacral region
M46.98  Unspecified inflammatory spondylopathy, sacral and sacrococcygeal region
M46.99  Unspecified inflammatory spondylopathy, multiple sites in spine
M47.011  Anterior spinal artery compression syndromes, occipito-atlanto-axial region
M47.012  Anterior spinal artery compression syndromes, cervical region
M47.013  Anterior spinal artery compression syndromes, cervicothoracic region
M47.014  Anterior spinal artery compression syndromes, thoracic region
M47.015  Anterior spinal artery compression syndromes, thoracolumbar region
M47.016  Anterior spinal artery compression syndromes, lumbar region
M47.019  Anterior spinal artery compression syndromes, site unspecified
Vertebral artery compression syndromes, occipito-atlanto-axial region
Vertebral artery compression syndromes, cervical region
Vertebral artery compression syndromes, site unspecified
Other spondylosis with myelopathy, site unspecified
Other spondylosis with myelopathy, occipito-atlanto-axial region
Other spondylosis with myelopathy, cervical region
Other spondylosis with myelopathy, cervicothoracic region
Other spondylosis with myelopathy, thoracic region
Other spondylosis with myelopathy, thoracolumbar region
Other spondylosis with myelopathy, lumbar region
Other spondylosis with radiculopathy, site unspecified
Other spondylosis with radiculopathy, occipito-atlanto-axial region
Other spondylosis with radiculopathy, cervical region
Other spondylosis with radiculopathy, cervicothoracic region
Other spondylosis with radiculopathy, thoracic region
Other spondylosis with radiculopathy, thoracolumbar region
Other spondylosis with radiculopathy, lumbar region
Other spondylosis with radiculopathy, lumbosacral region
Other spondylosis with radiculopathy, sacral and sacrococcygeal region
Spondylosis without myelopathy or radiculopathy, occipito-atlanto-axial region
Spondylosis without myelopathy or radiculopathy, cervical region
Spondylosis without myelopathy or radiculopathy, cervicothoracic region
Spondylosis without myelopathy or radiculopathy, thoracic region
Spondylosis without myelopathy or radiculopathy, thoracolumbar region
Spondylosis without myelopathy or radiculopathy, lumbar region
Spondylosis without myelopathy or radiculopathy, lumbosacral region
Spondylosis without myelopathy or radiculopathy, sacral and sacrococcygeal region
Spondylosis without myelopathy or radiculopathy, site unspecified
Other spondylosis, occipito-atlanto-axial region
Other spondylosis, cervical region
Other spondylosis, cervicothoracic region
Other spondylosis, thoracic region
Other spondylosis, thoracolumbar region
Other spondylosis, lumbar region
Other spondylosis, lumbosacral region
M47.898 Other spondylosis, sacral and sacrococcygeal region
M47.899 Other spondylosis, site unspecified
M47.9 Spondylosis, unspecified
M12.00 Chronic postrheumatic arthropathy [Jaccoud], unspecified site
M12.011 Chronic postrheumatic arthropathy [Jaccoud], right shoulder
M12.012 Chronic postrheumatic arthropathy [Jaccoud], left shoulder
M12.019 Chronic postrheumatic arthropathy [Jaccoud], unspecified shoulder
M12.021 Chronic postrheumatic arthropathy [Jaccoud], right elbow
M12.022 Chronic postrheumatic arthropathy [Jaccoud], left elbow
M12.029 Chronic postrheumatic arthropathy [Jaccoud], unspecified elbow
M12.031 Chronic postrheumatic arthropathy [Jaccoud], right wrist
M12.032 Chronic postrheumatic arthropathy [Jaccoud], left wrist
M12.039 Chronic postrheumatic arthropathy [Jaccoud], unspecified wrist
M12.041 Chronic postrheumatic arthropathy [Jaccoud], right hand
M12.042 Chronic postrheumatic arthropathy [Jaccoud], left hand
M12.049 Chronic postrheumatic arthropathy [Jaccoud], unspecified hand
M12.051 Chronic postrheumatic arthropathy [Jaccoud], right hip
M12.052 Chronic postrheumatic arthropathy [Jaccoud], left hip
M12.059 Chronic postrheumatic arthropathy [Jaccoud], unspecified hip
M12.061 Chronic postrheumatic arthropathy [Jaccoud], right knee
M12.062 Chronic postrheumatic arthropathy [Jaccoud], left knee
M12.069 Chronic postrheumatic arthropathy [Jaccoud], unspecified knee
M12.071 Chronic postrheumatic arthropathy [Jaccoud], right ankle and foot
M12.072 Chronic postrheumatic arthropathy [Jaccoud], left ankle and foot
M12.079 Chronic postrheumatic arthropathy [Jaccoud], unspecified ankle and foot
M12.08 Chronic postrheumatic arthropathy [Jaccoud], other specified site
M12.09 Chronic postrheumatic arthropathy [Jaccoud], multiple sites
M12.30 Palindromic rheumatism, unspecified site
M12.311 Palindromic rheumatism, right shoulder
M12.312 Palindromic rheumatism, left shoulder
M12.319 Palindromic rheumatism, unspecified shoulder
M12.321 Palindromic rheumatism, right elbow
M12.322 Palindromic rheumatism, left elbow
M12.329 Palindromic rheumatism, unspecified elbow
M12.331 Palindromic rheumatism, right wrist
M12.332 Palindromic rheumatism, left wrist
M12.339 Palindromic rheumatism, unspecified wrist
M12.341 Palindromic rheumatism, right hand
M12.342 Palindromic rheumatism, left hand
M12.349 Palindromic rheumatism, unspecified hand
M12.351 Palindromic rheumatism, right hip
M12.352 Palindromic rheumatism, left hip
M12.359 Palindromic rheumatism, unspecified hip
M12.361 Palindromic rheumatism, right knee
M12.362 Palindromic rheumatism, left knee
M12.369 Palindromic rheumatism, unspecified knee
M12.371 Palindromic rheumatism, right ankle and foot
M12.372 Palindromic rheumatism, left ankle and foot
M12.379 Palindromic rheumatism, unspecified ankle and foot
M12.38 Palindromic rheumatism, other specified site
M12.39 Palindromic rheumatism, multiple sites
M46.1 Sacroiliitis, not elsewhere classified

Alzheimer’s Disease and Related Dementia
G30.0 Alzheimer’s disease with early onset
G30.1 Alzheimer’s disease with late onset
G30.8 Other Alzheimer’s disease
G30.9 Alzheimer’s disease, unspecified
F01.50 Vascular dementia, unspecified severity, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F01.51 Vascular dementia, unspecified severity, with behavioral disturbance
F01.511 Vascular dementia, unspecified severity, with agitation
F01.518 Vascular dementia, unspecified severity, with other behavioral disturbance
F01.52 Vascular dementia, unspecified severity, with psychotic disturbance
F01.53 Vascular dementia, unspecified severity, with mood disturbance
F01.54 Vascular dementia, unspecified severity, with anxiety
F01.A0 Vascular dementia, mild, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F01.A1 Vascular dementia, mild, with behavioral disturbance
F01.A11 Vascular dementia, mild, with agitation
F01.A18 Vascular dementia, mild, with other behavioral disturbance
F01.A2 Vascular dementia, mild, with psychotic disturbance
F01.A3 Vascular dementia, mild, with mood disturbance
F01.A4 Vascular dementia, mild, with anxiety
F01.B0 Vascular dementia, moderate, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F01.B1 Vascular dementia, moderate, with behavioral disturbance
F01.B11 Vascular dementia, moderate, with agitation
F01.B18 Vascular dementia, moderate, with other behavioral disturbance
F01.B2 Vascular dementia, moderate, with psychotic disturbance
F01.B3 Vascular dementia, moderate, with mood disturbance
F01.B4 Vascular dementia, moderate, with anxiety
F01.C0  Vascular dementia, severe, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F01.C1  Vascular dementia, severe, with behavioral disturbance
F01.C11 Vascular dementia, severe, with agitation
F01.C18 Vascular dementia, severe, with other behavioral disturbance
F01.C2  Vascular dementia, severe, with psychotic disturbance
F01.C3  Vascular dementia, severe, with mood disturbance
F01.C4  Vascular dementia, severe, with anxiety
F02.80  Dementia in other diseases classified elsewhere, unspecified severity, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F02.81  Dementia in other diseases classified elsewhere, unspecified severity
F02.811 Dementia in other diseases classified elsewhere, unspecified severity, with agitation
F02.818 Dementia in other diseases classified elsewhere, unspecified severity, with other behavioral disturbance
F02.82  Dementia in other diseases classified elsewhere, unspecified severity, with psychotic disturbance
F02.83  Dementia in other diseases classified elsewhere, unspecified severity, with mood disturbance
F02.84  Dementia in other diseases classified elsewhere, unspecified severity, with anxiety
F02.A0  Dementia in other diseases classified elsewhere, mild, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F02.A11 Dementia in other diseases classified elsewhere, mild, with agitation
F02.A18 Dementia in other diseases classified elsewhere, mild, with other behavioral disturbance
F02.A2  Dementia in other diseases classified elsewhere, mild, with psychotic disturbance
F02.A3  Dementia in other diseases classified elsewhere, mild, with mood disturbance
F02.A4  Dementia in other diseases classified elsewhere, mild, with anxiety
F02.B0  Dementia in other diseases classified elsewhere, moderate, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F02.B11 Dementia in other diseases classified elsewhere, moderate, with agitation
F02.B18 Dementia in other diseases classified elsewhere, moderate, with other behavioral disturbance
F02.B2  Dementia in other diseases classified elsewhere, moderate, with psychotic disturbance
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F02.B3  Dementia in other diseases classified elsewhere, moderate, with mood disturbance
F02.B4  Dementia in other diseases classified elsewhere, moderate, with anxiety
F02.C0  Dementia in other diseases classified elsewhere, severe, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F02.C11 Dementia in other diseases classified elsewhere, severe, with agitation
F02.C18 Dementia in other diseases classified elsewhere, severe, with other behavioral disturbance
F02.C2  Dementia in other diseases classified elsewhere, severe, with psychotic disturbance
F02.C3  Dementia in other diseases classified elsewhere, severe, with mood disturbance
F02.C4  Dementia in other diseases classified elsewhere, severe, with anxiety
F03.90  Unspecified dementia, unspecified severity, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F03.911 Unspecified dementia, unspecified severity, with agitation
F03.918 Unspecified dementia, unspecified severity, with other behavioral disturbance
F03.92  Unspecified dementia, unspecified severity, with psychotic disturbance
F03.93  Unspecified dementia, unspecified severity, with mood disturbance
F03.94  Unspecified dementia, unspecified severity, with anxiety
F03.A0  Unspecified dementia, mild, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F03.A11 Unspecified dementia, mild, with agitation
F03.A18 Unspecified dementia, mild, with other behavioral disturbance
F03.A2  Unspecified dementia, mild, with psychotic disturbance
F03.A3  Unspecified dementia, mild, with mood disturbance
F03.A4  Unspecified dementia, mild, with anxiety
F03.B0  Unspecified dementia, moderate, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F03.B11 Unspecified dementia, moderate, with agitation
F03.B18 Unspecified dementia, moderate, with other behavioral disturbance
F03.B2  Unspecified dementia, moderate, with psychotic disturbance
F03.B3  Unspecified dementia, moderate, with mood disturbance
F03.B4  Unspecified dementia, moderate, with anxiety
F03.C0  Unspecified dementia, severe, without behavioral disturbance, psychotic disturbance, mood disturbance, and anxiety
F03.C11 Unspecified dementia, severe, with agitation
F03.C18 Unspecified dementia, severe, with other behavioral disturbance
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F03.C2 Unspecified dementia, severe, with psychotic disturbance
F03.C3 Unspecified dementia, severe, with mood disturbance
F03.C4 Unspecified dementia, severe, with anxiety
G13.8 Systemic atrophy primarily affecting central nervous system in other diseases classified elsewhere
G31.01 Pick's disease
G31.09 Other frontotemporal neurocognitive disorder
G31.1 Senile degeneration of brain, not elsewhere classified
G31.2 Degeneration of nervous system due to alcohol
G31.83 Neurocognitive disorder with Lewy bodies

**Atrial Fibrillation**
I48.0 Paroxysmal atrial fibrillation
I48.11 Longstanding persistent atrial fibrillation
I48.19 Other persistent atrial fibrillation
I48.20 Chronic atrial fibrillation, unspecified
I48.21 Permanent atrial fibrillation
I48.91 Unspecified atrial fibrillation

**Breast Cancer**
175.9 Malignant neoplasm of other and unspecified sites of male breast
C50.011 Malignant neoplasm of nipple and areola, right female breast
C50.012 Malignant neoplasm of nipple and areola, left female breast
C50.019 Malignant neoplasm of nipple and areola, unspecified female breast
C50.021 Malignant neoplasm of nipple and areola, right male breast
C50.022 Malignant neoplasm of nipple and areola, left male breast
C50.029 Malignant neoplasm of nipple and areola, unspecified male breast
C50.111 Malignant neoplasm of central portion of right female breast
C50.112 Malignant neoplasm of central portion of left female breast
C50.119 Malignant neoplasm of central portion of unspecified female breast
C50.121 Malignant neoplasm of central portion of right male breast
C50.122 Malignant neoplasm of central portion of left male breast
C50.129 Malignant neoplasm of central portion of unspecified male breast
C50.211 Malignant neoplasm of upper-inner quadrant of right female breast
C50.212 Malignant neoplasm of upper-inner quadrant of left female breast
C50.219 Malignant neoplasm of upper-inner quadrant of unspecified female breast
C50.221 Malignant neoplasm of upper-inner quadrant of right male breast
C50.222 Malignant neoplasm of upper-inner quadrant of left male breast
C50.229 Malignant neoplasm of upper-inner quadrant of unspecified male breast
<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>C50.311</td>
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<td>C50.312</td>
<td>Malignant neoplasm of lower-inner quadrant of left female breast</td>
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<td>C50.321</td>
<td>Malignant neoplasm of lower-inner quadrant of right male breast</td>
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<tr>
<td>C50.322</td>
<td>Malignant neoplasm of lower-inner quadrant of left male breast</td>
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<tr>
<td>C50.329</td>
<td>Malignant neoplasm of lower-inner quadrant of unspecified male breast</td>
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<td>C50.411</td>
<td>Malignant neoplasm of upper-outer quadrant of right female breast</td>
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<td>C50.412</td>
<td>Malignant neoplasm of upper-outer quadrant of left female breast</td>
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<td>C50.419</td>
<td>Malignant neoplasm of upper-outer quadrant of unspecified female breast</td>
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<td>C50.422</td>
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<td>Malignant neoplasm of lower-outer quadrant of right male breast</td>
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<td>C50.529</td>
<td>Malignant neoplasm of lower-outer quadrant of unspecified male breast</td>
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<td>C50.611</td>
<td>Malignant neoplasm of axillary tail of right female breast</td>
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<td>C50.612</td>
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<td>Malignant neoplasm of axillary tail of unspecified female breast</td>
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<td>C50.621</td>
<td>Malignant neoplasm of axillary tail of right male breast</td>
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<td>C50.622</td>
<td>Malignant neoplasm of axillary tail of left male breast</td>
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<td>C50.629</td>
<td>Malignant neoplasm of axillary tail of unspecified male breast</td>
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<td>C50.811</td>
<td>Malignant neoplasm of overlapping sites of right female breast</td>
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<td>C50.812</td>
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<td>Malignant neoplasm of overlapping sites of right male breast</td>
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<td>C50.822</td>
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<td>C50.912</td>
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<td>C50.919</td>
<td>Malignant neoplasm of unspecified site of unspecified female breast</td>
</tr>
<tr>
<td>C50.921</td>
<td>Malignant neoplasm of unspecified site of right male breast</td>
</tr>
</tbody>
</table>
Characterizing Telehealth Visits Across Clinical Research Networks Participating in PCORnet®

C50.922 Malignant neoplasm of unspecified site of left male breast
C50.929 Malignant neoplasm of unspecified site of unspecified male breast
D05.00 Lobular carcinoma in situ of unspecified breast
D05.01 Lobular carcinoma in situ of right breast
D05.02 Lobular carcinoma in situ of left breast
D05.10 Intraductal carcinoma in situ of unspecified breast
D05.11 Intraductal carcinoma in situ of right breast
D05.12 Intraductal carcinoma in situ of left breast
D05.80 Other specified type of carcinoma in situ of unspecified breast
D05.81 Other specified type of carcinoma in situ of right breast
D05.82 Other specified type of carcinoma in situ of left breast
D05.90 Unspecified type of carcinoma in situ of unspecified breast
D05.91 Unspecified type of carcinoma in situ of right breast
D05.92 Unspecified type of carcinoma in situ of left breast
Z86.000 Personal history of in-situ neoplasm of breast

**Colorectal Cancer**

C18.0 Malignant neoplasm of cecum
C18.1 Malignant neoplasm of appendix
C18.2 Malignant neoplasm of ascending colon
C18.3 Malignant neoplasm of hepatic flexure
C18.4 Malignant neoplasm of transverse colon
C18.5 Malignant neoplasm of splenic flexure
C18.6 Malignant neoplasm of descending colon
C18.7 Malignant neoplasm of sigmoid colon
C18.8 Malignant neoplasm of overlapping sites of colon
C18.9 Malignant neoplasm of colon, unspecified
C19 Malignant neoplasm of rectosigmoid junction
C20 Malignant neoplasm of rectum
C26.0 Malignant neoplasm of intestinal tract, part unspecified
C49.A4 Gastrointestinal stromal tumor of large intestine
C49.A5 Gastrointestinal stromal tumor of rectum
D01.0 Carcinoma in situ of colon
D01.1 Carcinoma in situ of rectosigmoid junction
D01.2 Carcinoma in situ of rectum
D01.40 Carcinoma in situ of unspecified part of intestine
Z85.030 Personal history of malignant carcinoid tumor of large intestine
Z85.038 Personal history of other malignant neoplasm of large intestine
Z85.040 Personal history of malignant carcinoid tumor of rectum
Z85.048 Personal history of other malignant neoplasm of rectum, rectosigmoid junction, and anus
**Lung Cancer**

C34.00  Malignant neoplasm of unspecified main bronchus  
C34.01  Malignant neoplasm of right main bronchus  
C34.02  Malignant neoplasm of left main bronchus  
C34.10  Malignant neoplasm of upper lobe, unspecified bronchus or lung  
C34.11  Malignant neoplasm of upper lobe, right bronchus or lung  
C34.12  Malignant neoplasm of upper lobe, left bronchus or lung  
C34.2  Malignant neoplasm of middle lobe, bronchus or lung  
C34.30  Malignant neoplasm of lower lobe, unspecified bronchus or lung  
C34.31  Malignant neoplasm of lower lobe, right bronchus or lung  
C34.32  Malignant neoplasm of lower lobe, left bronchus or lung  
C34.80  Malignant neoplasm of overlapping sites of unspecified bronchus and lung  
C34.81  Malignant neoplasm of overlapping sites of right bronchus and lung  
C34.82  Malignant neoplasm of overlapping sites of left bronchus and lung  
C34.90  Malignant neoplasm of unspecified part of unspecified bronchus or lung  
C34.91  Malignant neoplasm of unspecified part of right bronchus or lung  
C34.92  Malignant neoplasm of unspecified part of left bronchus or lung  
D02.20  Carcinoma in situ of unspecified bronchus and lung  
D02.21  Carcinoma in situ of right bronchus and lung  
D02.22  Carcinoma in situ of left bronchus and lung  
Z85.110  Personal history of malignant carcinoid tumor of bronchus and lung  
Z85.118  Personal history of other malignant neoplasm of bronchus and lung

**Prostate Cancer**

C61  Malignant neoplasm of prostate  
D07.5  Carcinoma in situ of prostate  
Z85.46  Personal history of malignant neoplasm of prostate

**Chronic Kidney Disease**

A18.11  Tuberculosis of kidney and ureter  
A52.75  Syphilis of kidney and ureter  
B52.0  Plasmodium malariae malaria with nephropathy  
D63.1  Anemia in chronic kidney disease  
E08.21  Diabetes mellitus due to underlying condition with diabetic nephropathy  
E08.22  Diabetes mellitus due to underlying condition with diabetic chronic kidney disease  
E09.21  Drug or chemical induced diabetes mellitus with diabetic nephropathy
<table>
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<th>Description</th>
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<tr>
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<td>Drug or chemical induced diabetes mellitus with diabetic chronic kidney disease</td>
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<td>E09.29</td>
<td>Drug or chemical induced diabetes mellitus with other diabetic kidney complication</td>
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<tr>
<td>E10.21</td>
<td>Type 1 diabetes mellitus with diabetic nephropathy</td>
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<tr>
<td>E10.22</td>
<td>Type 1 diabetes mellitus with diabetic chronic kidney disease</td>
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<tr>
<td>E10.29</td>
<td>Type 1 diabetes mellitus with other diabetic kidney complication</td>
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<td>E11.21</td>
<td>Type 2 diabetes mellitus with diabetic nephropathy</td>
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<tr>
<td>E11.22</td>
<td>Type 2 diabetes mellitus with diabetic chronic kidney disease</td>
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<td>Type 2 diabetes mellitus with other diabetic kidney complication</td>
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<td>E13.21</td>
<td>Other specified diabetes mellitus with diabetic nephropathy</td>
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<tr>
<td>E13.22</td>
<td>Other specified diabetes mellitus with diabetic chronic kidney disease</td>
</tr>
<tr>
<td>E13.29</td>
<td>Other specified diabetes mellitus with other diabetic kidney complication</td>
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<tr>
<td>I12.0</td>
<td>Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease</td>
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<tr>
<td>I12.9</td>
<td>Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease</td>
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<tr>
<td>I13.0</td>
<td>Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease</td>
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<td>I13.10</td>
<td>Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease</td>
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<td>I13.11</td>
<td>Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease</td>
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<td>Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease</td>
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<td>K76.7</td>
<td>Hepatorenal syndrome</td>
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<tr>
<td>M10.30</td>
<td>Gout due to renal impairment, unspecified site</td>
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<tr>
<td>M10.311</td>
<td>Gout due to renal impairment, right shoulder</td>
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<tr>
<td>M10.312</td>
<td>Gout due to renal impairment, left shoulder</td>
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<tr>
<td>M10.319</td>
<td>Gout due to renal impairment, unspecified shoulder</td>
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<tr>
<td>M10.321</td>
<td>Gout due to renal impairment, right elbow</td>
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<tr>
<td>M10.322</td>
<td>Gout due to renal impairment, left elbow</td>
</tr>
<tr>
<td>M10.329</td>
<td>Gout due to renal impairment, unspecified elbow</td>
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<tr>
<td>M10.331</td>
<td>Gout due to renal impairment, right wrist</td>
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<tr>
<td>M10.332</td>
<td>Gout due to renal impairment, left wrist</td>
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<td>M10.339</td>
<td>Gout due to renal impairment, unspecified wrist</td>
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<td>Gout due to renal impairment, right hand</td>
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<tr>
<td>M10.342</td>
<td>Gout due to renal impairment, left hand</td>
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</table>
M10.349  Gout due to renal impairment, unspecified hand  
M10.351  Gout due to renal impairment, right hip  
M10.352  Gout due to renal impairment, left hip  
M10.359  Gout due to renal impairment, unspecified hip  
M10.361  Gout due to renal impairment, right knee  
M10.362  Gout due to renal impairment, left knee  
M10.369  Gout due to renal impairment, unspecified knee  
M10.371  Gout due to renal impairment, right ankle and foot  
M10.372  Gout due to renal impairment, left ankle and foot  
M10.379  Gout due to renal impairment, unspecified ankle and foot  
M10.38  Gout due to renal impairment, vertebrae  
M10.39  Gout due to renal impairment, multiple sites  
M32.14  Glomerular disease in systemic lupus erythematosus  
M32.15  Tubulo-interstitial nephropathy in systemic lupus erythematosus  
M35.04  Sjogren syndrome with tubulo-interstitial nephropathy  
M35.0A  Sjogren syndrome with glomerular disease  
N01.0  Rapidly progressive nephritic syndrome with minor glomerular abnormality  
N01.1  Rapidly progressive nephritic syndrome with focal and segmental glomerular lesions  
N01.2  Rapidly progressive nephritic syndrome with diffuse membranous glomerulonephritis  
N01.3  Rapidly progressive nephritic syndrome with diffuse mesangial proliferative glomerulonephritis  
N01.4  Rapidly progressive nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis  
N01.5  Rapidly progressive nephritic syndrome with diffuse mesangio-capillary glomerulonephritis  
N01.6  Rapidly progressive nephritic syndrome with dense deposit disease  
N01.7  Rapidly progressive nephritic syndrome with diffuse crescentic glomerulonephritis  
N01.8  Rapidly progressive nephritic syndrome with other morphologic changes  
N01.9  Rapidly progressive nephritic syndrome with unspecified morphologic changes  
N01.A  Rapidly progressive nephritic syndrome with C3 glomerulonephritis  
N02.0  Recurrent and persistent hematuria with minor glomerular abnormality  
N02.1  Recurrent and persistent hematuria with focal and segmental glomerular lesions  
N02.2  Recurrent and persistent hematuria with diffuse membranous glomerulonephritis
N02.3  Recurrent and persistent hematuria with diffuse mesangial proliferative glomerulonephritis
N02.4  Recurrent and persistent hematuria with diffuse endocapillary proliferative glomerulonephritis
N02.5  Recurrent and persistent hematuria with diffuse mesangiocapillary glomerulonephritis
N02.6  Recurrent and persistent hematuria with dense deposit disease
N02.7  Recurrent and persistent hematuria with diffuse crescentic glomerulonephritis
N02.8  Recurrent and persistent hematuria with other morphologic changes
N02.9  Recurrent and persistent hematuria with unspecified morphologic changes
N02.A  Recurrent and persistent hematuria with C3 glomerulonephritis
N03.0  Chronic nephritic syndrome with minor glomerular abnormality
N03.1  Chronic nephritic syndrome with focal and segmental glomerular lesions
N03.2  Chronic nephritic syndrome with diffuse membranous glomerulonephritis
N03.3  Chronic nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
N03.4  Chronic nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis
N03.5  Chronic nephritic syndrome with diffuse mesangiocapillary glomerulonephritis
N03.6  Chronic nephritic syndrome with dense deposit disease
N03.7  Chronic nephritic syndrome with diffuse crescentic glomerulonephritis
N03.8  Chronic nephritic syndrome with other morphologic changes
N03.9  Chronic nephritic syndrome with unspecified morphologic changes
N03.A  Chronic nephritic syndrome with C3 glomerulonephritis
N04.0  Nephrotic syndrome with minor glomerular abnormality
N04.1  Nephrotic syndrome with focal and segmental glomerular lesions
N04.2  Nephrotic syndrome with diffuse membranous glomerulonephritis
N04.3  Nephrotic syndrome with diffuse mesangial proliferative glomerulonephritis
N04.4  Nephrotic syndrome with diffuse endocapillary proliferative glomerulonephritis
N04.5  Nephrotic syndrome with diffuse mesangiocapillary glomerulonephritis
N04.6  Nephrotic syndrome with dense deposit disease
N04.7  Nephrotic syndrome with diffuse crescentic glomerulonephritis
N04.8  Nephrotic syndrome with other morphologic changes
N04.9  Nephrotic syndrome with unspecified morphologic changes
N04.A  Nephrotic syndrome with C3 glomerulonephritis
N05.0  Unspecified nephritic syndrome with minor glomerular abnormality
N05.1  Unspecified nephritic syndrome with focal and segmental glomerular lesions
N05.2  Unspecified nephritic syndrome with diffuse membranous glomerulonephritis
N05.3  Unspecified nephritic syndrome with diffuse mesangial proliferative glomerulonephritis
N05.4  Unspecified nephritic syndrome with diffuse endocapillary proliferative glomerulonephritis
N05.5  Unspecified nephritic syndrome with diffuse mesangiocapillary glomerulonephritis
N05.6  Unspecified nephritic syndrome with dense deposit disease
N05.7  Unspecified nephritic syndrome with diffuse crescentic glomerulonephritis
N05.8  Unspecified nephritic syndrome with other morphologic changes
N05.9  Unspecified nephritic syndrome with unspecified morphologic changes
N05.A  Unspecified nephritic syndrome with C3 glomerulonephritis
N06.0  Isolated proteinuria with minor glomerular abnormality
N06.1  Isolated proteinuria with focal and segmental glomerular lesions
N06.2  Isolated proteinuria with diffuse membranous glomerulonephritis
N06.3  Isolated proteinuria with diffuse mesangial proliferative glomerulonephritis
N06.4  Isolated proteinuria with diffuse endocapillary proliferative glomerulonephritis
N06.5  Isolated proteinuria with diffuse mesangiocapillary glomerulonephritis
N06.6  Isolated proteinuria with dense deposit disease
N06.7  Isolated proteinuria with diffuse crescentic glomerulonephritis
N06.8  Isolated proteinuria with other morphologic lesion
N06.9  Isolated proteinuria with unspecified morphologic lesion
N06.A  Isolated proteinuria with C3 glomerulonephritis
N07.0  Hereditary nephropathy, not elsewhere classified with minor glomerular abnormality
N07.1  Hereditary nephropathy, not elsewhere classified with focal and segmental glomerular lesions
N07.2  Hereditary nephropathy, not elsewhere classified with diffuse membranous glomerulonephritis

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N07.3 Hereditary nephropathy, not elsewhere classified with diffuse mesangial proliferative glomerulonephritis
N07.4 Hereditary nephropathy, not elsewhere classified with diffuse endocapillary proliferative glomerulonephritis
N07.5 Hereditary nephropathy, not elsewhere classified with diffuse mesangiocapillary glomerulonephritis
N07.6 Hereditary nephropathy, not elsewhere classified with dense deposit disease
N07.7 Hereditary nephropathy, not elsewhere classified with diffuse crescentic glomerulonephritis
N07.8 Hereditary nephropathy, not elsewhere classified with other morphologic lesions
N07.9 Hereditary nephropathy, not elsewhere classified with unspecified morphologic lesions
N07.A Hereditary nephropathy, not elsewhere classified with C3 glomerulonephritis
N08 Glomerular disorders in diseases classified elsewhere
N14.0 Analetic nephropathy
N14.11 Contrast-induced nephropathy
N14.19 Nephropathy induced by other drugs, medicaments and biological substances
N14.2 Nephropathy induced by unspecified drug, medicament or biological substance
N14.3 Nephropathy induced by heavy metals
N14.4 Toxic nephropathy, not elsewhere classified
N15.0 Balkan nephropathy
N15.8 Other specified renal tubulo-interstitial diseases
N15.9 Renal tubulo-interstitial disease, unspecified
N16 Renal tubulo-interstitial disorders in diseases classified elsewhere
N18.1 Chronic kidney disease, stage 1
N18.2 Chronic kidney disease, stage 2 (mild)
N18.3 Chronic kidney disease, stage 3 (moderate)
N18.30 Chronic kidney disease, stage 3 unspecified
N18.31 Chronic kidney disease, stage 3a
N18.32 Chronic kidney disease, stage 3b
N18.4 Chronic kidney disease, stage 4 (severe)
N18.5 Chronic kidney disease, stage 5
N18.6 End stage renal disease
N18.9 Chronic kidney disease, unspecified
N25.1 Nephrogenic diabetes insipidus
N25.89 Other disorders resulting from impaired renal tubular function
N25.9 Disorder resulting from impaired renal tubular function, unspecified
N26.1 Atrophy of kidney (terminal)
N26.9 Renal sclerosis, unspecified
N99.0 Postprocedural (acute) (chronic) kidney failure
Q61.00 Congenital renal cyst, unspecified
Q61.01 Congenital single renal cyst
Q61.02 Congenital multiple renal cysts
Q61.11 Cystic dilatation of collecting ducts
Q61.19 Other polycystic kidney, infantile type
Q61.2 Polycystic kidney, adult type
Q61.3 Polycystic kidney, unspecified
Q61.4 Renal dysplasia
Q61.5 Medullary cystic kidney
Q61.8 Other cystic kidney diseases
Q61.9 Cystic kidney disease, unspecified
Q62.0 Congenital hydronephrosis
Q62.10 Congenital occlusion of ureter, unspecified
Q62.11 Congenital occlusion of ureteropelvic junction
Q62.12 Congenital occlusion of ureterovesical orifice
Q62.2 Congenital megaureter
Q62.31 Congenital ureterocele, orthotopic
Q62.32 Cecoureterocele
Q62.39 Other obstructive defects of renal pelvis and ureter
R88.0 Cloudy (hemodialysis) (peritoneal) dialysis effluent
R94.4 Abnormal results of kidney function studies
Z49.01 Encounter for fitting and adjustment of extracorporeal dialysis catheter
Z49.02 Encounter for fitting and adjustment of peritoneal dialysis catheter
Z49.31 Encounter for adequacy testing for hemodialysis
Z49.32 Encounter for adequacy testing for peritoneal dialysis

**Chronic Obstructive Pulmonary Disease**

J41.1 Mucopurulent chronic bronchitis
J41.8 Mixed simple and mucopurulent chronic bronchitis
J42 Unspecified chronic bronchitis
J43.0 Unilateral pulmonary emphysema [MacLeod’s syndrome]
J43.1 Panlobular emphysema
J43.2 Centrilobular emphysema
J43.8 Other emphysema
J43.9 Emphysema, unspecified
J44.0 Chronic obstructive pulmonary disease with (acute) lower respiratory infection
J44.1 Chronic obstructive pulmonary disease with (acute) exacerbation
J44.9 Chronic obstructive pulmonary disease, unspecified
J47.0 Bronchiectasis with acute lower respiratory infection
J47.1 Bronchiectasis with (acute) exacerbation
J47.9 Bronchiectasis, uncomplicated
J98.2 Interstitial emphysema
J98.3 Compensatory emphysema

**Depression**

F06.31 Mood disorder due to known physiological condition with depressive features
F06.32 Mood disorder due to known physiological condition with major depressive-like episode
F06.34 Mood disorder due to known physiological condition with mixed features
F32.0 Major depressive disorder, single episode, mild
F32.1 Major depressive disorder, single episode, moderate
F32.2 Major depressive disorder, single episode, severe without psychotic features
F32.4 Major depressive disorder, single episode, in partial remission
F32.5 Major depressive disorder, single episode, in full remission
F32.81 Premenstrual dysphoric disorder
F32.89 Other specified depressive episodes
F32.9 Major depressive disorder, single episode, unspecified
F32.A Depression, unspecified
F33.0 Major depressive disorder, recurrent, mild
F33.1 Major depressive disorder, recurrent, moderate
F33.2 Major depressive disorder, recurrent severe without psychotic features
F33.40 Major depressive disorder, recurrent, in remission, unspecified
F33.41 Major depressive disorder, recurrent, in partial remission
F33.8 Other recurrent depressive disorders
F33.9 Major depressive disorder, recurrent, unspecified
F34.1 Dysthymic disorder

**Heart Failure**

I09.81 Rheumatic heart failure
I11.0 Hypertensive heart disease with heart failure
I13.0 Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
I13.2 Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
I42.0 Dilated cardiomyopathy
I42.1 Obstructive hypertrophic cardiomyopathy
I42.2 Other hypertrophic cardiomyopathy
I42.3 Endomyocardial (eosinophilic) disease
I42.4 Endocardial fibroelastosis
I42.5 Other restrictive cardiomyopathy
I42.6 Alcoholic cardiomyopathy
I42.7 Cardiomyopathy due to drug and external agent
I42.8 Other cardiomyopathies
I42.9 Cardiomyopathy, unspecified
I43. Cardiomyopathy in diseases classified elsewhere
I50.1 Left ventricular failure, unspecified
I50.20 Unspecified systolic (congestive) heart failure
I50.21 Acute systolic (congestive) heart failure
I50.22 Chronic systolic (congestive) heart failure
I50.23 Acute on chronic systolic (congestive) heart failure
I50.30 Unspecified diastolic (congestive) heart failure
I50.31 Acute diastolic (congestive) heart failure
I50.32 Chronic diastolic (congestive) heart failure
I50.33 Acute on chronic diastolic (congestive) heart failure
I50.40 Unspecified combined systolic (congestive) and diastolic (congestive) heart failure
I50.41 Acute combined systolic (congestive) and diastolic (congestive) heart failure
I50.42 Chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.43 Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
I50.810 Right heart failure, unspecified
I50.811 Acute right heart failure
I50.812 Chronic right heart failure
I50.813 Acute on chronic right heart failure
I50.814 Right heart failure due to left heart failure
I50.82 Biventricular heart failure
I50.83 High output heart failure
I50.84 End stage heart failure
I50.89 Other heart failure
I50.9 Heart failure, unspecified
I97.130 Postprocedural heart failure following cardiac surgery
I97.131 Postprocedural heart failure following other surgery
O29.121 Cardiac failure due to anesthesia during pregnancy, first trimester
O29.122 Cardiac failure due to anesthesia during pregnancy, second trimester
O29.123 Cardiac failure due to anesthesia during pregnancy, third trimester
O29.129 Cardiac failure due to anesthesia during pregnancy, unspecified trimester
P29.0 Neonatal cardiac failure
Z95.811 Presence of heart assist device
Z95.812 Presence of fully implantable artificial heart

**Hepatitis (Chronic Viral B & C)**

B16.0 Acute hepatitis B with delta-agent with hepatic coma
B16.1 Acute hepatitis B with delta-agent without hepatic coma
B16.2 Acute hepatitis B without delta-agent with hepatic coma
B16.9 Acute hepatitis B without delta-agent and without hepatic coma
B17.10 Acute hepatitis C without hepatic coma
B17.11 Acute hepatitis C with hepatic coma
B18.0 Chronic viral hepatitis B with delta-agent
B18.1 Chronic viral hepatitis B without delta-agent
B18.2 Chronic viral hepatitis C
B19.10 Unspecified viral hepatitis B without hepatic coma
B19.11 Unspecified viral hepatitis B with hepatic coma
B19.20 Unspecified viral hepatitis C without hepatic coma
B19.21 Unspecified viral hepatitis C with hepatic coma

**HIV/AIDS**

B20 Human immunodeficiency virus [HIV] disease
B97.35 Human immunodeficiency virus, type 2 [HIV 2] as the cause of diseases classified elsewhere

O98.711 Human immunodeficiency virus [HIV] disease complicating pregnancy, first trimester
O98.712 Human immunodeficiency virus [HIV] disease complicating pregnancy, second trimester
O98.713 Human immunodeficiency virus [HIV] disease complicating pregnancy, third trimester
O98.719 Human immunodeficiency virus [HIV] disease complicating pregnancy, unspecified trimester
O98.72 Human immunodeficiency virus [HIV] disease complicating childbirth
O98.73 Human immunodeficiency virus [HIV] disease complicating the puerperium
Z21 Asymptomatic human immunodeficiency virus [HIV] infection status

**Ischemic Heart Disease**

I20.1 Angina pectoris with documented spasm
I20.2 Refractory angina pectoris
I20.8 Other forms of angina pectoris
I20.9 Angina pectoris, unspecified
I21.01 ST elevation (STEMI) myocardial infarction involving left main coronary artery
I21.02 ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery
I21.09 ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
I21.11 ST elevation (STEMI) myocardial infarction involving right coronary artery
I21.19 ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
I21.21 ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery
I21.29 ST elevation (STEMI) myocardial infarction involving other sites
I21.3 ST elevation (STEMI) myocardial infarction of unspecified site
I21.4 Non-ST elevation (NSTEMI) myocardial infarction
I21.9 Acute myocardial infarction, unspecified
I21.A1 Myocardial infarction type 2
I21.A9 Other myocardial infarction type
I22.0 Subsequent ST elevation (STEMI) myocardial infarction of anterior wall
I22.1 Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
I22.2 Subsequent non-ST elevation (NSTEMI) myocardial infarction
I22.8 Subsequent ST elevation (STEMI) myocardial infarction of other sites
I22.9 Subsequent ST elevation (STEMI) myocardial infarction of unspecified site
I23.0 Hemopericardium as current complication following acute myocardial infarction
I23.1 Atrial septal defect as current complication following acute myocardial infarction
I23.2 Ventricular septal defect as current complication following acute myocardial infarction
I23.3 Rupture of cardiac wall without hemopericardium as current complication following acute myocardial infarction
I23.4 Rupture of chordae tendineae as current complication following acute myocardial infarction
I23.5 Rupture of papillary muscle as current complication following acute myocardial infarction
I23.6 Thrombosis of atrium, auricular appendage, and ventricle as current complications following acute myocardial infarction
I23.7 Postinfarction angina
I23.8 Other current complications following acute myocardial infarction
I24.0 Acute coronary thrombosis not resulting in myocardial infarction
I24.8 Other forms of acute ischemic heart disease
I24.9 Acute ischemic heart disease, unspecified
I25.10 Atherosclerotic heart disease of native coronary artery without angina pectoris
I25.110 Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
I25.111 Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
I25.118 Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
I25.119 Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
I25.2 Old myocardial infarction
I25.5 Ischemic cardiomyopathy
I25.6 Silent myocardial ischemia
I25.700 Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris
I25.701 Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm
I25.708 Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris
I25.709 Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris
I25.710 Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris
I25.711 Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.718 Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris
I25.719 Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris
I25.720 Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris
I25.721 Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.728 Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris
I25.729 Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris
I25.730 Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris
I25.731 Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.738 Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
I25.739 Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris
I25.750 Atherosclerosis of native coronary artery of transplanted heart with unstable angina
I25.751 Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
I25.758 Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris
I25.759 Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris
I25.760 Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
I25.761 Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
I25.768 Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris
I25.769 Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris
I25.790 Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris
I25.791 Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm
I25.798 Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
I25.799 Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
I25.810 Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
<table>
<thead>
<tr>
<th>I25.811</th>
<th>Atherosclerosis of native coronary artery of transplanted heart without angina pectoris</th>
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<tr>
<td>I25.812</td>
<td>Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris</td>
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<tr>
<td>I25.82</td>
<td>Chronic total occlusion of coronary artery</td>
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<td>I25.83</td>
<td>Coronary atherosclerosis due to lipid rich plaque</td>
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<td>Coronary atherosclerosis due to calcified coronary lesion</td>
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<tr>
<td>I25.89</td>
<td>Other forms of chronic ischemic heart disease</td>
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<td>I25.9</td>
<td>Chronic ischemic heart disease, unspecified</td>
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<tr>
<td>Z95.1</td>
<td>Presence of aortocoronary bypass graft</td>
</tr>
<tr>
<td>Z95.5</td>
<td>Presence of coronary angioplasty implant and graft</td>
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<tr>
<td>Z98.61</td>
<td>Coronary angioplasty status</td>
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<tr>
<td>I25.112</td>
<td>Atherosclerotic heart disease of native coronary artery with refractory angina pectoris</td>
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<tr>
<td>I25.702</td>
<td>Atherosclerosis of coronary artery bypass graft(s), unspecified, with refractory angina pectoris</td>
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<td>I25.712</td>
<td>Atherosclerosis of autologous vein coronary artery bypass graft(s) with refractory angina pectoris</td>
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<tr>
<td>I25.722</td>
<td>Atherosclerosis of autologous artery coronary artery bypass graft(s) with refractory angina pectoris</td>
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<tr>
<td>I25.732</td>
<td>Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with refractory angina pectoris</td>
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<tr>
<td>I25.752</td>
<td>Atherosclerosis of native coronary artery of transplanted heart with refractory angina pectoris</td>
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<td>I25.762</td>
<td>Atherosclerosis of bypass graft of coronary artery of transplanted heart with refractory angina pectoris</td>
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<tr>
<td>I25.792</td>
<td>Atherosclerosis of other coronary artery bypass graft(s) with refractory angina pectoris</td>
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**Osteoporosis**

<table>
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<tr>
<th>M80.00*</th>
<th>Age-related osteoporosis with current pathological fracture, unspecified site</th>
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<tbody>
<tr>
<td>M80.01*</td>
<td>Age-related osteoporosis with current pathological fracture, shoulder</td>
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<tr>
<td>M80.02*</td>
<td>Age-related osteoporosis with current pathological fracture, humerus</td>
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<tr>
<td>M80.03*</td>
<td>Age-related osteoporosis with current pathological fracture, forearm</td>
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<td>M80.04*</td>
<td>Age-related osteoporosis with current pathological fracture, hand</td>
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<tr>
<td>M80.05*</td>
<td>Age-related osteoporosis with current pathological fracture, femur</td>
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</table>
M80.06* Age-related osteoporosis with current pathological fracture, lower leg
M80.07* Age-related osteoporosis with current pathological fracture, ankle and foot
M80.08* Age-related osteoporosis with current pathological fracture, vertebrae
M80.0A* Age-related osteoporosis with current pathological fracture, other site
M80.8* Other osteoporosis with current pathological fracture
M81.0 Age-related osteoporosis without current pathological fracture
M81.6 Localized osteoporosis [Lequesne]
M81.8 Other osteoporosis without current pathological fracture

**Stroke**

I63.00 Cerebral infarction due to thrombosis of unspecified precerebral artery
I63.011 Cerebral infarction due to thrombosis of right vertebral artery
I63.012 Cerebral infarction due to thrombosis of left vertebral artery
I63.013 Cerebral infarction due to thrombosis of bilateral vertebral arteries
I63.019 Cerebral infarction due to thrombosis of unspecified vertebral artery
I63.02 Cerebral infarction due to thrombosis of basilar artery
I63.031 Cerebral infarction due to thrombosis of right carotid artery
I63.032 Cerebral infarction due to thrombosis of left carotid artery
I63.033 Cerebral infarction due to thrombosis of bilateral carotid arteries
I63.039 Cerebral infarction due to thrombosis of unspecified carotid artery
I63.09 Cerebral infarction due to thrombosis of other precerebral artery
I63.10 Cerebral infarction due to embolism of unspecified precerebral artery
I63.111 Cerebral infarction due to embolism of right vertebral artery
I63.112 Cerebral infarction due to embolism of left vertebral artery
I63.113 Cerebral infarction due to embolism of bilateral vertebral arteries
I63.119 Cerebral infarction due to embolism of unspecified vertebral artery
I63.12 Cerebral infarction due to embolism of basilar artery
I63.131 Cerebral infarction due to embolism of right carotid artery
I63.132 Cerebral infarction due to embolism of left carotid artery
I63.133 Cerebral infarction due to embolism of bilateral carotid arteries
I63.139 Cerebral infarction due to embolism of unspecified carotid artery
I63.19 Cerebral infarction due to embolism of other precerebral artery
<table>
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<tr>
<td>I63.20</td>
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<td>I63.211</td>
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<td>Cerebral infarction due to unspecified occlusion or stenosis of left vertebral artery</td>
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<td>I63.213</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of bilateral vertebral arteries</td>
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<td>I63.219</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral artery</td>
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<td>I63.22</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of basilar artery</td>
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<td>I63.231</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries</td>
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<td>I63.232</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries</td>
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<td>I63.233</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of bilateral carotid arteries</td>
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<tr>
<td>I63.239</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid artery</td>
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<tr>
<td>I63.29</td>
<td>Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries</td>
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<td>I63.30</td>
<td>Cerebral infarction due to thrombosis of unspecified cerebral artery</td>
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<tr>
<td>I63.311</td>
<td>Cerebral infarction due to thrombosis of right middle cerebral artery</td>
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<td>I63.312</td>
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<td>I63.313</td>
<td>Cerebral infarction due to thrombosis of bilateral middle cerebral arteries</td>
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<td>Cerebral infarction due to thrombosis of unspecified middle cerebral artery</td>
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<td>Cerebral infarction due to thrombosis of right anterior cerebral artery</td>
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<td>Cerebral infarction due to thrombosis of left posterior cerebral artery</td>
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</table>
I63.333 Cerebral infarction due to thrombosis of bilateral posterior cerebral arteries
I63.339 Cerebral infarction due to thrombosis of unspecified posterior cerebral artery
I63.341 Cerebral infarction due to thrombosis of right cerebellar artery
I63.342 Cerebral infarction due to thrombosis of left cerebellar artery
I63.343 Cerebral infarction due to thrombosis of bilateral cerebellar arteries
I63.349 Cerebral infarction due to thrombosis of unspecified cerebellar artery
I63.39 Cerebral infarction due to thrombosis of other cerebral artery
I63.40 Cerebral infarction due to embolism of unspecified cerebral artery
I63.411 Cerebral infarction due to embolism of right middle cerebral artery
I63.412 Cerebral infarction due to embolism of left middle cerebral artery
I63.413 Cerebral infarction due to embolism of bilateral middle cerebral arteries
I63.419 Cerebral infarction due to embolism of unspecified middle cerebral artery
I63.421 Cerebral infarction due to embolism of right anterior cerebral artery
I63.422 Cerebral infarction due to embolism of left anterior cerebral artery
I63.423 Cerebral infarction due to embolism of bilateral anterior cerebral arteries
I63.429 Cerebral infarction due to embolism of unspecified anterior cerebral artery
I63.431 Cerebral infarction due to embolism of right posterior cerebral artery
I63.432 Cerebral infarction due to embolism of left posterior cerebral artery
I63.433 Cerebral infarction due to embolism of bilateral posterior cerebral arteries
I63.439 Cerebral infarction due to embolism of unspecified posterior cerebral artery
I63.441 Cerebral infarction due to embolism of right cerebellar artery
I63.442 Cerebral infarction due to embolism of left cerebellar artery
I63.443 Cerebral infarction due to embolism of bilateral cerebellar arteries
I63.449 Cerebral infarction due to embolism of unspecified cerebellar artery
I63.49 Cerebral infarction due to embolism of other cerebral artery
I63.50 Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery
I63.511 Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery
I63.512 Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery
I63.513 Cerebral infarction due to unspecified occlusion or stenosis of bilateral middle cerebral arteries
I63.519 Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery
I63.521 Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery
I63.522 Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery
I63.523 Cerebral infarction due to unspecified occlusion or stenosis of bilateral anterior cerebral arteries
I63.529 Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery
I63.531 Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery
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I63.539 Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery
I63.541 Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery
I63.542 Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery
I63.543 Cerebral infarction due to unspecified occlusion or stenosis of bilateral cerebellar arteries
I63.549 Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery
I63.59 Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery
I63.6 Cerebral infarction due to cerebral venous thrombosis, nonpyogenic
I63.81 Other cerebral infarction due to occlusion or stenosis of small artery
I63.89 Other cerebral infarction
I63.9 Cerebral infarction, unspecified

**Schizophrenia and Other Psychotic Disorders**

F20.0 Paranoid schizophrenia
F20.1 Disorganized schizophrenia
F20.2  Catatonic schizophrenia
F20.3  Undifferentiated schizophrenia
F20.5  Residual schizophrenia
F20.81 Schizophreniform disorder
F20.89 Other schizophrenia
F20.9  Schizophrenia, unspecified
F21    Schizotypal disorder
F22    Delusional disorders
F23    Brief psychotic disorder
F24    Shared psychotic disorder
F25.0  Schizoaffective disorder, bipolar type
F25.1  Schizoaffective disorder, depressive type
F25.8  Other schizoaffective disorders
F25.9  Schizoaffective disorder, unspecified
F28    Other psychotic disorder not due to a substance or known physiological condition

**Autism**

F84.0  Autistic disorder
F84.3  Other childhood disintegrative disorder
F84.5  Asperger's syndrome
F84.8  Other pervasive developmental disorders
F84.9  Pervasive developmental disorder, unspecified

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<td>99242</td>
<td>Office Consultation new or established expanded problem focused history</td>
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<td>Office Consultation new or established detailed history - low complexity</td>
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<td>99244</td>
<td>Office Consultation new or established comprehensive history - moderate complexity</td>
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<td>99245</td>
<td>Office Consultation new or established comprehensive history - high complexity</td>
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**Evaluation/Management Time Length**

99201  Evaluation/Management New Patient Time Length: 10 minutes
99202  Evaluation/Management New Patient Time Length: 15-29 minutes
99203  Evaluation/Management New Patient Time Length: 30-44 minutes
99204  Evaluation/Management New Patient Time Length: 45-59 minutes
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