



ICD-10 CM EXPERT

*Diagnosis Codes
for Providers & Facilities*

2021

Benefiting



See back for details

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ICD-10-CM Official Guidelines for Coding and Reporting FY 2021

Note: *The Official Guidelines are included in the front of the book for quick reference and have a separate Table of Contents to locate specific coding guidelines.*

Guideline Tips

Please visit the publisher's website for updated Guideline Tips for each Tabular List chapter.

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ICD-10-CM Official Guidelines for Coding and Reporting FY 2021

(October 1, 2020 - September 30, 2021)

Narrative changes appear in bold text

Items underlined have been moved within the guidelines since the FY 2020 version

Italics are used to indicate revisions to heading changes

The Centers for Medicare and Medicaid Services (CMS) and the National Center for Health Statistics (NCHS), two departments within the U.S. Federal Government's Department of Health and Human Services (DHHS) provide the following guidelines for coding and reporting using the International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM). These guidelines should be used as a companion document to the official version of the ICD-10-CM as published on the NCHS website. The ICD-10-CM is a morbidity classification published by the United States for classifying diagnoses and reason for visits in all health care settings. The ICD-10-CM is based on the ICD-10, the statistical classification of disease published by the World Health Organization (WHO).

These guidelines have been approved by the four organizations that make up the Cooperating Parties for the ICD-10-CM: the American Hospital Association (AHA), the American Health Information Management Association (AHIMA), CMS, and NCHS.

These guidelines are a set of rules that have been developed to accompany and complement the official conventions and instructions provided within the ICD-10-CM itself. The instructions and conventions of the classification take precedence over guidelines. These guidelines are based on the coding and sequencing instructions in the Tabular List and Alphabetic Index of ICD-10-CM, but provide additional instruction. Adherence to these guidelines when assigning ICD-10-CM diagnosis codes is required under the Health Insurance Portability and Accountability Act (HIPAA). The diagnosis codes (Tabular List and Alphabetic Index) have been adopted under HIPAA for all healthcare settings. A joint effort between the healthcare provider and the coder is essential to achieve complete and accurate documentation, code assignment, and reporting of diagnoses and procedures. These guidelines have been developed to assist both the healthcare provider and the coder in identifying those diagnoses that are to be reported. The importance of consistent, complete documentation in the medical record cannot be overemphasized. Without such documentation accurate coding cannot be achieved. The entire record should be reviewed to determine the specific reason for the encounter and the conditions treated.

The term encounter is used for all settings, including hospital admissions. In the context of these guidelines, the term provider is used throughout the guidelines to mean physician or any qualified health care practitioner who is legally accountable for establishing the patient's diagnosis. Only this set of guidelines, approved by the Cooperating Parties, is official.

The guidelines are organized into sections. Section I includes the structure and conventions of the classification and general guidelines that apply to the entire classification, and chapter-specific guidelines that correspond to the chapters as they are arranged in the classification. Section II includes guidelines for selection of principal diagnosis for non-outpatient settings. Section III includes guidelines for reporting additional diagnoses in non-outpatient settings. Section IV is for outpatient coding and reporting. It is necessary to review all sections of the guidelines to fully understand all of the rules and instructions needed to code properly.

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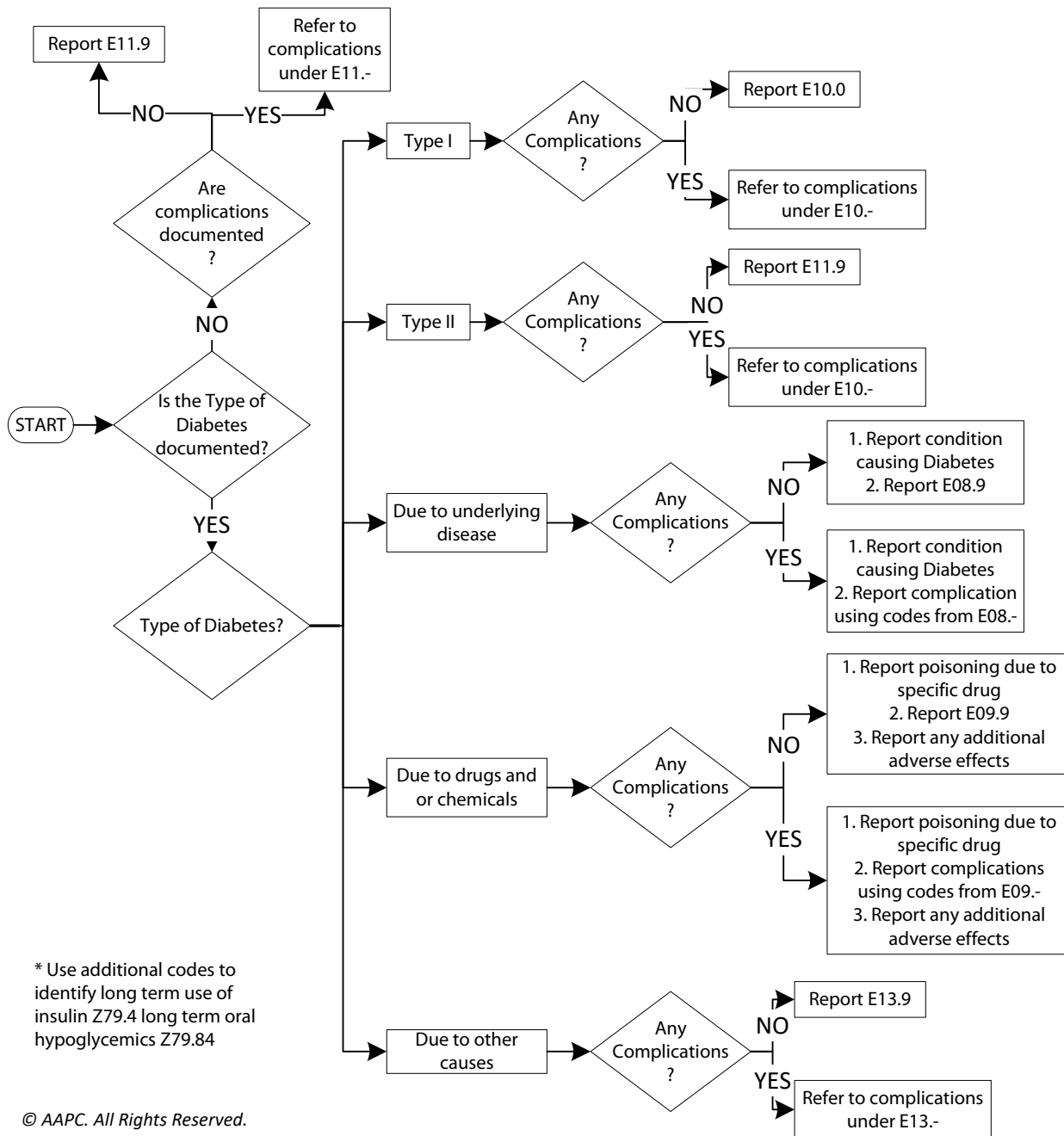
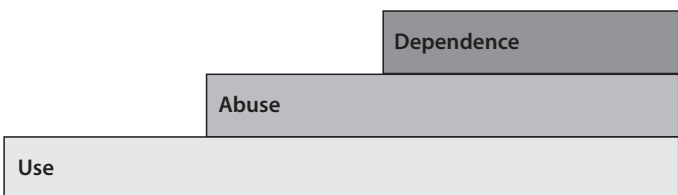


Figure I.C.4.a: Diabetes Mellitus (DM)



When provider documentation refers to use, abuse, and dependence of the same substance (e.g., alcohol, opioid, cannabis, etc.), only one code should be assigned to identify the pattern of use based on the highest step. Example: The provider documents tobacco use and abuse. Report only tobacco abuse. If alcohol use and dependence is documented, report alcohol dependence.

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Figure I.C.5.b.2: Psychoactive Substance Use, Abuse and Dependence

5. Chapter 5: Mental, Behavioral and Neurodevelopmental disorders (F01-F99)

a. Pain disorders related to psychological factors

Assign code F45.41, for pain that is exclusively related to psychological disorders. As indicated by the Excludes 1 note under category G89, a code from category G89 should not be assigned with code F45.41.

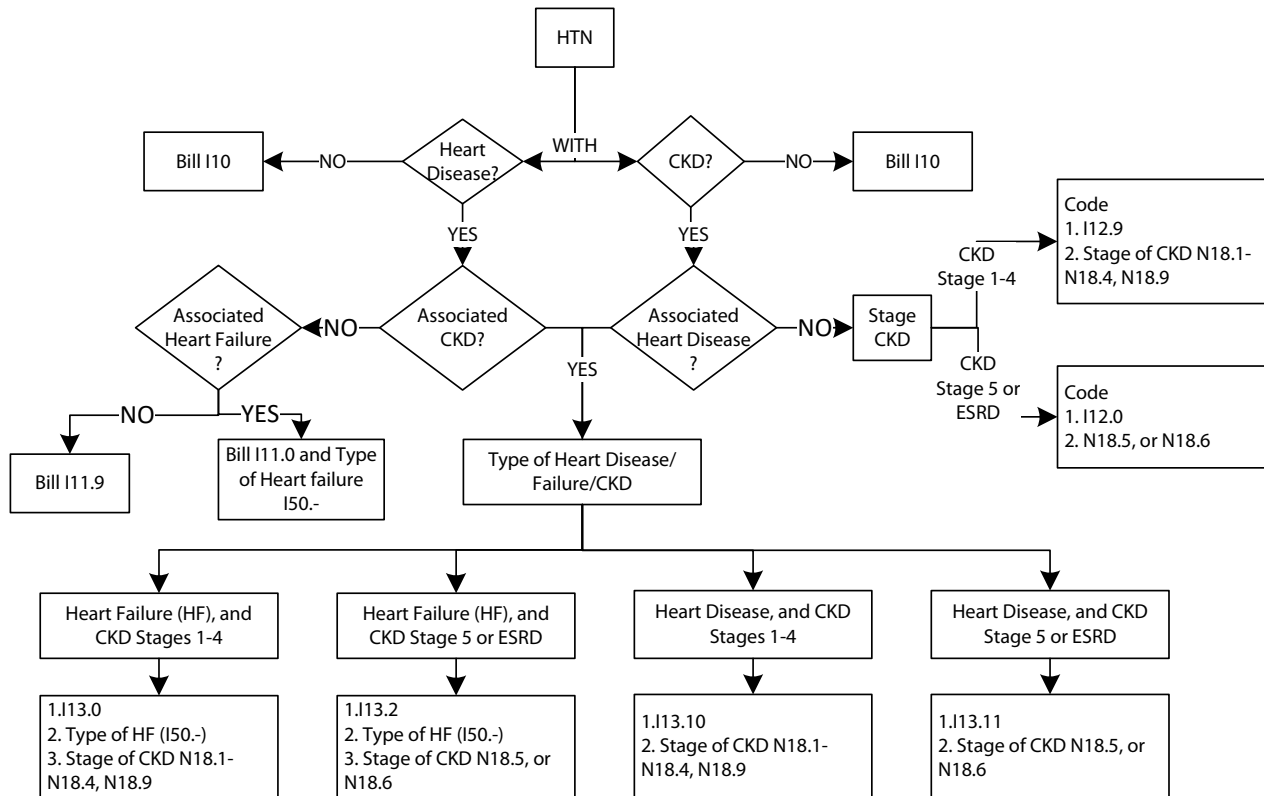
Code F45.42, Pain disorders with related psychological factors, should be used with a code from category G89, Pain, not elsewhere classified, if there is documentation of a psychological component for a patient with acute or chronic pain.

See Section I.C.6. Pain

b. Mental and behavioral disorders due to psychoactive substance use

1) In Remission

Selection of codes for "in remission" for categories F10-F19, Mental and behavioral disorders due to psychoactive substance use (categories F10-F19 with -.11, -.21) requires the provider's clinical judgment. The appropriate codes for "in remission" are assigned only



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Figure I.C.9.a: Hypertension (HTN)

8) Hypertension, Controlled

This diagnostic statement usually refers to an existing state of hypertension under control by therapy. Assign the appropriate code from categories I10-I15, Hypertensive diseases.

9) Hypertension, Uncontrolled

Uncontrolled hypertension may refer to untreated hypertension or hypertension not responding to current therapeutic regimen. In either case, assign the appropriate code from categories I10- I15, Hypertensive diseases.

10) Hypertensive Crisis

Assign a code from category I16, Hypertensive crisis, for documented hypertensive urgency, hypertensive emergency or unspecified hypertensive crisis. Code also any identified hypertensive disease (I10- I15). The sequencing is based on the reason for the encounter.

11) Pulmonary Hypertension

Pulmonary hypertension is classified to category I27, Other pulmonary heart diseases. For secondary pulmonary hypertension (I27.1, I27.2-), code also any associated conditions or adverse effects of drugs or toxins. The sequencing is based on the reason for the encounter, except for adverse effects of drugs (See Section I.C.19.e.).

b. Atherosclerotic Coronary Artery Disease and Angina

ICD-10-CM has combination codes for atherosclerotic heart disease with angina pectoris. The subcategories for these codes are I25.11, Atherosclerotic heart disease of native coronary artery with angina pectoris and I25.7, Atherosclerosis of coronary artery bypass graft(s) and coronary artery of transplanted heart with angina pectoris.

When using one of these combination codes it is not necessary to use an additional code for angina pectoris. A causal relationship can be assumed in a patient with both atherosclerosis and angina pectoris, unless the documentation indicates the angina is due to something other than the atherosclerosis.

If a patient with coronary artery disease is admitted due to an acute myocardial infarction (AMI), the AMI should be sequenced before the coronary artery disease.

See Section I.C.9. Acute myocardial infarction (AMI)

c. Intraoperative and Postprocedural Cerebrovascular Accident

Medical record documentation should clearly specify the cause-and-effect relationship between the medical intervention and the cerebrovascular accident in order to assign a code for intraoperative or postprocedural cerebrovascular accident.

Proper code assignment depends on whether it was an infarction or hemorrhage and whether it occurred intraoperatively or postoperatively. If it was a cerebral hemorrhage, code assignment depends on the type of procedure performed.

d. Sequelae of Cerebrovascular Disease

1) Category I69, Sequelae of Cerebrovascular disease

Category I69 is used to indicate conditions classifiable to categories I60-I67 as the causes of sequela (neurologic deficits), themselves classified elsewhere. These "late effects" include neurologic deficits that persist after initial onset of conditions classifiable to categories I60-I67. The neurologic deficits caused by cerebrovascular disease may be present from the onset or may arise at any time after the onset of the condition classifiable to categories I60-I67.

Codes from category I69, Sequelae of cerebrovascular disease, that specify hemiplegia, hemiparesis and monoplegia identify whether the dominant or nondominant side is affected. Should the affected side be documented, but not specified as dominant or nondominant, and the classification system does not indicate a default, code selection is as follows:

- For ambidextrous patients, the default should be dominant.
- If the left side is affected, the default is non-dominant.
- If the right side is affected, the default is dominant.

2) Codes from category I69 with codes from I60-I67

Codes from category I69 may be assigned on a health care record with codes from I60-I67, if the patient has a current cerebrovascular disease and deficits from an old cerebrovascular disease.

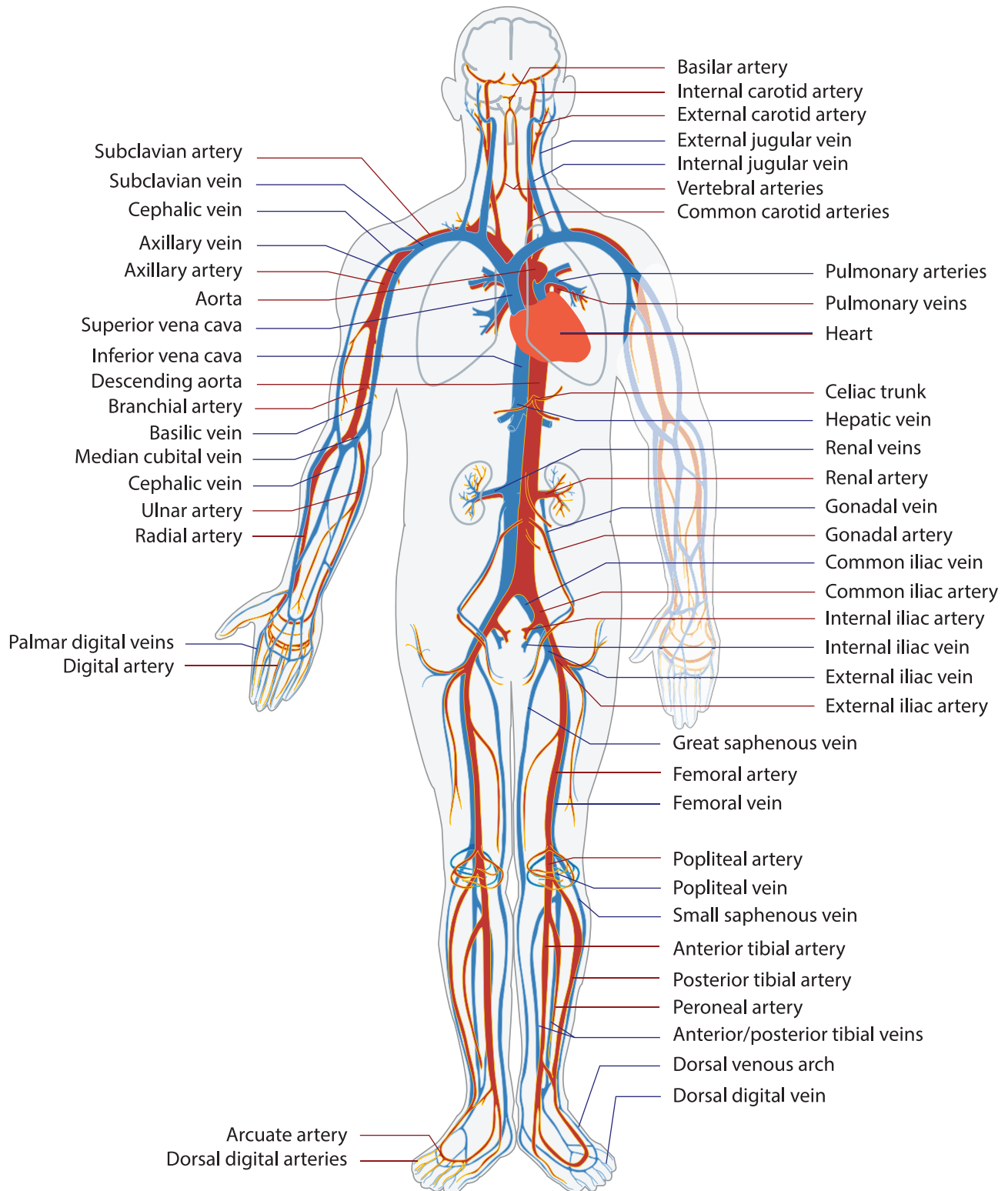
3) Codes from category I69 and Personal history of transient ischemic attack (TIA) and cerebral infarction (Z86.73)

Codes from category I69 should not be assigned if the patient does not have neurologic deficits.

See Section I.C.21. 4. History (of) for use of personal history codes

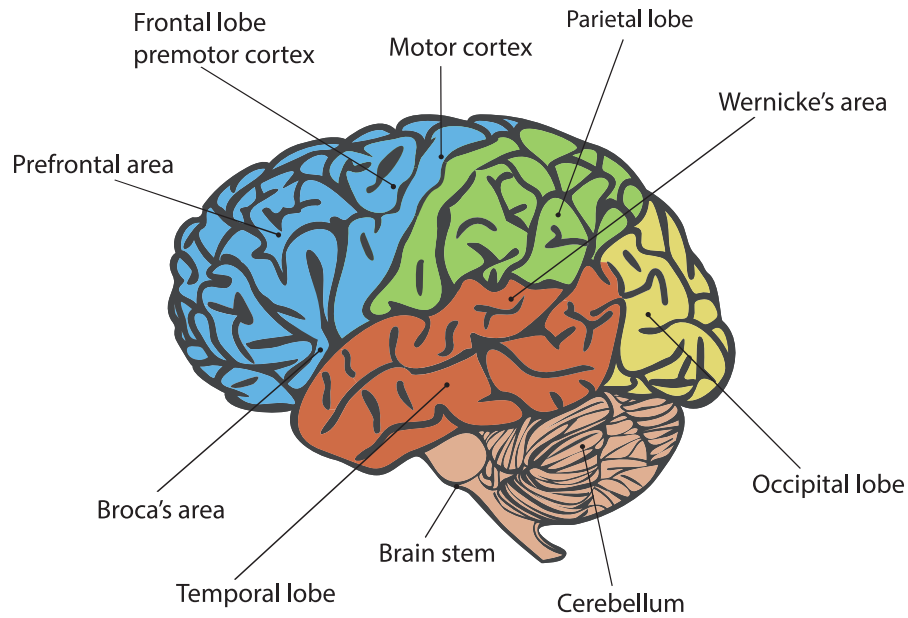
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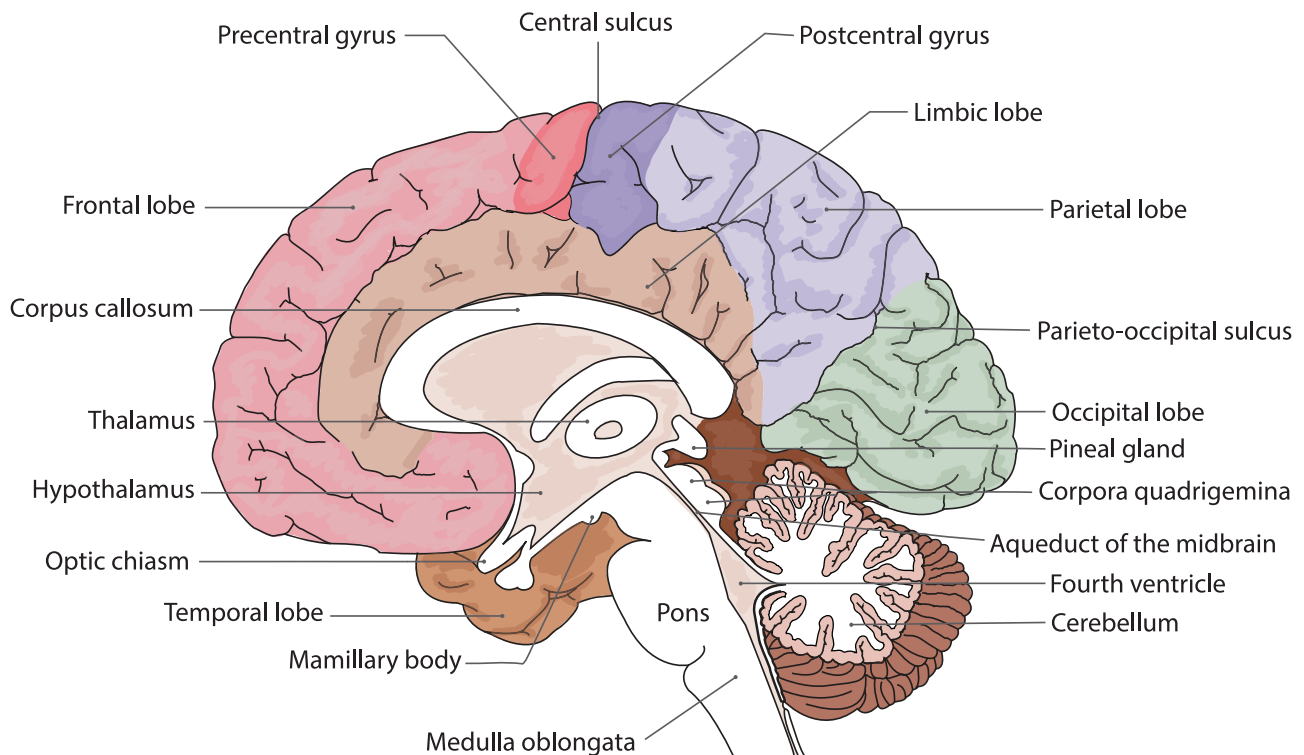


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Nervous System — Brain Anatomy



Nervous System — Median Section of the Brain



ICD-10-CM Index to Diseases and Injuries

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 microbiology R83.5
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 low risk positive R85.82
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 coronary circulation R93.1
 digestive tract NEC R93.3
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 genitourinary organs R93.89
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 low risk positive R85.82
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 unsatisfactory smear R87.615
 nasal secretions R84.6
 nipple discharge R89.6
 peritoneal fluid R85.69
 pleural fluid R84.6
 prostatic secretions R86.6
 saliva R85.69
 seminal fluid R86.6
 sites NEC R89.6
 sputum R84.6
 synovial fluid R89.6
 throat scrapings R84.6
 vagina R87.629
 atypical squamous cells cannot exclude high grade squamous intraepithelial lesion (ASC-H) R87.621
 atypical squamous cells of undetermined significance (ASC-US) R87.620
 cytologic evidence of malignancy R87.624
 high grade squamous intraepithelial lesion (HGSIL) R87.623
 inadequate smear R87.625
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 specified NEC R74.8
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 drug level R85.2
 enzyme level R85.0
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 immunology R85.4
 microbiology R85.5
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 specified type NEC R85.89
 female genital organs (secretions) (smears) R87.9
 cytology R87.69
 cervix R87.619
 human papillomavirus (HPV) DNA test
 high risk positive R87.810
 low risk positive R87.820
 inadequate (unsatisfactory) smear R87.615
 non-atypical endometrial cells R87.618
 specified NEC R87.618
 vagina R87.629
 human papillomavirus (HPV) DNA test
 high risk positive R87.811
 low risk positive R87.821
 inadequate (unsatisfactory) smear R87.625
 vulva R87.69
 drug level R87.2
 enzyme level R87.0
 histological R87.7
 hormones R87.1
 immunology R87.4
 microbiology R87.5
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 male genital organs (prostatic secretions) (semen) R86.9
 cytology R86.6
 drug level R86.2
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 histological R86.7
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 specified type NEC R86.8
 nipple discharge — see Abnormal, specimen, specified
 respiratory organs (bronchial washings) (nasal secretions) (pleural fluid) (sputum) R84.9
 cytology R84.6
 drug level R84.2
 enzyme level R84.0
 histology R84.7
 hormones R84.1
 immunology R84.4
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 specified type NEC R89.8
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 thorax (bronchial washings) (pleural fluids) — see Abnormal, specimen, respiratory organs
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ICD-10-CM Table of Neoplasms

The list below gives the code numbers for neoplasms by anatomical site. For each site there are six possible code numbers according to whether the neoplasm in question is malignant, benign, in situ, of uncertain behavior, or of unspecified nature. The description of the neoplasm will often indicate which of the six columns is appropriate; e.g., malignant melanoma of skin, benign fibroadenoma of breast, carcinoma in situ of cervix uteri.

Where such descriptors are not present, the remainder of the Index should be consulted where guidance is given to the appropriate column for each morphological (histological) variety listed; e.g., Mesonephroma—see Neoplasm, malignant; Embryoma—see also Neoplasm, uncertain behavior; Disease, Bowen's—see Neoplasm, skin, in situ. However, the guidance in the Index can be overridden if one of the descriptors mentioned above is present; e.g., malignant adenoma of colon is coded to C18.9 and not to D12.6 as the adjective 'malignant' overrides the Index entry 'Adenoma—see also Neoplasm, benign.'

Codes listed with a dash (-) following the code have a required additional character for laterality. The Tabular must be reviewed for the complete code.

Neoplasm	Malignant Primary	Malignant Secondary	Ca in situ	Benign	Uncertain Behavior	Unspecified Behavior
Neoplasm, neoplastic	C80.1	C79.9	D09.9	D36.9	D48.9	D49.9
abdomen, abdominal	C76.2	C79.8-	D09.8	D36.7	D48.7	D49.89
cavity	C76.2	C79.8-	D09.8	D36.7	D48.7	D49.89
organ	C76.2	C79.8-	D09.8	D36.7	D48.7	D49.89
viscera	C76.2	C79.8-	D09.8	D36.7	D48.7	D49.89
wall (see also Neoplasm, abdomen, wall, skin)	C44.509	C79.2-	D04.5	D23.5	D48.5	D49.2
connective tissue	C49.4	C79.8-	-	D21.4	D48.1	D49.2
skin	C44.509	-	-	-	-	-
basal cell carcinoma	C44.519	-	-	-	-	-
specified type NEC	C44.599	-	-	-	-	-
squamous cell carcinoma	C44.529	-	-	-	-	-
abdominopelvic	C76.8	C79.8-	-	D36.7	D48.7	D49.89
accessory sinus — see Neoplasm, sinus						
acoustic nerve	C72.4-	C79.49	-	D33.3	D43.3	D49.7
adenoid (pharynx) (tissue)	C11.1	C79.89	D00.08	D10.6	D37.05	D49.0
adipose tissue (see also Neoplasm, connective tissue)	C49.4	C79.89	-	D21.9	D48.1	D49.2
adnexa (uterine)	C57.4	C79.89	D07.39	D28.7	D39.8	D49.59
adrenal	C74.9-	C79.7-	D09.3	D35.0-	D44.1-	D49.7
capsule	C74.9-	C79.7-	D09.3	D35.0-	D44.1-	D49.7
cortex	C74.0-	C79.7-	D09.3	D35.0-	D44.1-	D49.7
gland	C74.9-	C79.7-	D09.3	D35.0-	D44.1-	D49.7
medulla	C74.1-	C79.7-	D09.3	D35.0-	D44.1-	D49.7
ala nasi (external) (see also Neoplasm, skin, nose)	C44.301	C79.2	D04.39	D23.39	D48.5	D49.2
alimentary canal or tract NEC	C26.9	C78.80	D01.9	D13.9	D37.9	D49.0
alveolar	C03.9	C79.89	D00.03	D10.39	D37.09	D49.0
mucosa	C03.9	C79.89	D00.03	D10.39	D37.09	D49.0
lower	C03.1	C79.89	D00.03	D10.39	D37.09	D49.0
upper	C03.0	C79.89	D00.03	D10.39	D37.09	D49.0
ridge or process	C41.1	C79.51	-	D16.5-	D48.0	D49.2
carcinoma	C03.9	C79.8-	-	-	-	-
lower	C03.1	C79.8-	-	-	-	-
upper	C03.0	C79.8-	-	-	-	-
lower	C41.1	C79.51	-	D16.5-	D48.0	D49.2
mucosa	C03.9	C79.89	D00.03	D10.39	D37.09	D49.0
lower	C03.1	C79.89	D00.03	D10.39	D37.09	D49.0
upper	C03.0	C79.89	D00.03	D10.39	D37.09	D49.0
upper	C41.0	C79.51	-	D16.4-	D48.0	D49.2
sulcus	C06.1	C79.89	D00.02	D10.39	D37.09	D49.0
alveolus	C03.9	C79.89	D00.03	D10.39	D37.09	D49.0
lower	C03.1	C79.89	D00.03	D10.39	D37.09	D49.0
upper	C03.0	C79.89	D00.03	D10.39	D37.09	D49.0
ampulla of Vater	C24.1	C78.89	D01.5	D13.5	D37.6	D49.0
ankle NEC	C76.5-	C79.89	D04.7-	D36.7	D48.7	D49.89
anorectum, anorectal (junction)	C21.8	C78.5	D01.3	D12.9	D37.8	D49.0
antecubital fossa or space	C76.4-	C79.89	D04.6-	D36.7	D48.7	D49.89
antrum (Highmore) (maxillary)	C31.0	C78.39	D02.3	D14.0	D38.5	D49.1
pyloric	C16.3	C78.89	D00.2	D13.1	D37.1	D49.0
tympanicum	C30.1	C78.39	D02.3	D14.0	D38.5	D49.1
anus, anal	C21.0	C78.5	D01.3	D12.9	D37.8	D49.0
canal	C21.1	C78.5	D01.3	D12.9	D37.8	D49.0
cloacogenic zone	C21.2	C78.5	D01.3	D12.9	D37.8	D49.0
margin (see also Neoplasm, anus, skin)	C44.500	C79.2	D04.5	D23.5	D48.5	D49.2
overlapping lesion with rectosigmoid junction or rectum	C21.8	-	-	-	-	-
skin	C44.500	C79.2	D04.5	D23.5	D48.5	D49.2
basal cell carcinoma	C44.510	-	-	-	-	-
specified type NEC	C44.590	-	-	-	-	-
squamous cell carcinoma	C44.520	-	-	-	-	-
sphincter	C21.1	C78.5	D01.3	D12.9	D37.8	D49.0
aorta (thoracic)	C49.3	C79.89	-	D21.3	D48.1	D49.2
abdominal	C49.4	C79.89	-	D21.4	D48.1	D49.2
aortic body	C75.5	C79.89	-	D35.6	D44.7	D49.7

Neoplasm	Malignant Primary	Malignant Secondary	Ca in situ	Benign	Uncertain Behavior	Unspecified Behavior
aponeurosis	C49.9	C79.89	-	D21.9	D48.1	D49.2
palmar	C49.1	C79.89	-	D21.1-	D48.1	D49.2
plantar	C49.2	C79.89	-	D21.2-	D48.1	D49.2
appendix	C18.1	C78.5	D01.0	D12.1	D37.3	D49.0
arachnoid	C70.9	C79.49	-	D32.9	D42.9	D49.7
cerebral	C70.0	C79.32	-	D32.0	D42.0	D49.7
spinal	C70.1	C79.49	-	D32.1	D42.1	D49.7
areola	C50.0-	C79.81	D05.-	D24.-	D48.6-	D49.3
arm NEC	C76.4-	C79.89	D04.6-	D36.7	D48.7	D49.89
artery — see Neoplasm, connective tissue						
aryepiglottic fold	C13.1	C79.89	D00.08	D10.7	D37.05	D49.0
hypopharyngeal aspect	C13.1	C79.89	D00.08	D10.7	D37.05	D49.0
laryngeal aspect	C32.1	C78.39	D02.0	D14.1	D38.0	D49.1
marginal zone	C13.1	C79.89	D00.08	D10.7	D37.05	D49.0
arytenoid (cartilage)	C32.3	C78.39	D02.0	D14.1	D38.0	D49.1
fold — see Neoplasm, aryepiglottic						
associated with transplanted organ	C80.2	-	-	-	-	-
atlas	C41.2	C79.51	-	D16.6	D48.0	D49.2
atrium, cardiac	C38.0	C79.89	-	D15.1	D48.7	D49.89
auditory						
canal (external) (skin)	C44.20-	C79.2	D04.2-	D23.2-	D48.5	D49.2
internal	C30.1	C78.39	D02.3	D14.0	D38.5	D49.1
nerve	C72.4-	C79.49	-	D33.3	D43.3	D49.7
tube	C30.1	C78.39	D02.3	D14.0	D38.5	D49.1
opening	C11.2	C79.89	D00.08	D10.6	D37.05	D49.0
auricle, ear (see also Neoplasm, skin, ear)	C44.20-	C79.2	D04.2-	D23.2-	D48.5	D49.2
auricular canal (external) (see also Neoplasm, skin, ear)	C44.20-	C79.2	D04.2-	D23.2-	D48.5	D49.2
internal	C30.1	C78.39	D02.3	D14.0	D38.5	D49.2
autonomic nerve or nervous system NEC (see Neoplasm, nerve, peripheral)						
axilla, axillary	C76.1	C79.89	D09.8	D36.7	D48.7	D49.89
fold (see also Neoplasm, skin, trunk)	C44.509	C79.2	D04.5	D23.5	D48.5	D49.2
back NEC	C76.8	C79.89	D04.5	D36.7	D48.7	D49.89
Bartholin's gland	C51.0	C79.82	D07.1	D28.0	D39.8	D49.59
basal ganglia	C71.0	C79.31	-	D33.0	D43.0	D49.6
basis pedunculi	C71.7	C79.31	-	D33.1	D43.1	D49.6
bile or biliary (tract)	C24.9	C78.89	D01.5	D13.5	D37.6	D49.0
canaliculi (biliferi) (intrahepatic)	C22.1	C78.7	D01.5	D13.4	D37.6	D49.0
canals, interlobular	C22.1	C78.89	D01.5	D13.4	D37.6	D49.0
duct or passage (common) (cystic) (extrahepatic)	C24.0	C78.89	D01.5	D13.5	D37.6	D49.0
interlobular	C22.1	C78.89	D01.5	D13.4	D37.6	D49.0
intrahepatic	C22.1	C78.7	D01.5	D13.4	D37.6	D49.0
and extrahepatic	C24.8	C78.89	D01.5	D13.5	D37.6	D49.0
bladder (urinary)	C67.9	C79.11	D09.0	D30.3	D41.4	D49.4
dome	C67.1	C79.11	D09.0	D30.3	D41.4	D49.4
neck	C67.5	C79.11	D09.0	D30.3	D41.4	D49.4
orifice	C67.9	C79.11	D09.0	D30.3	D41.4	D49.4
ureteric	C67.6	C79.11	D09.0	D30.3	D41.4	D49.4
urethral	C67.5	C79.11	D09.0	D30.3	D41.4	D49.4
overlapping lesion	C67.8	-	-	-	-	-
sphincter	C67.8	C79.11	D09.0	D30.3	D41.4	D49.4
trigone	C67.0	C79.11	D09.0	D30.3	D41.4	D49.4
urachus	C67.7	C79.11	D09.0	D30.3	D41.4	D49.4
wall	C67.9	C79.11	D09.0	D30.3	D41.4	D49.4
anterior	C67.3	C79.11	D09.0	D30.3	D41.4	D49.4
lateral	C67.2	C79.11	D09.0	D30.3	D41.4	D49.4
posterior	C67.4	C79.11	D09.0	D30.3	D41.4	D49.4
blood vessel — see Neoplasm, connective tissue						
bone (periosteum)	C41.9	C79.51	-	D16.9-	D48.0	D49.2
acetabulum	C41.4	C79.51	-	D16.8-	D48.0	D49.2
ankle	C40.3-	C79.51	-	D16.3-	-	-
arm NEC	C40.0-	C79.51	-	D16.0-	-	-
astragalus	C40.3-	C79.51	-	D16.3-	-	-
atlas	C41.2	C79.51	-	D16.6-	D48.0	D49.2
axis	C41.2	C79.51	-	D16.6-	D48.0	D49.2
back NEC	C41.2	C79.51	-	D16.6-	D48.0	D49.2
calcaneus	C40.3-	C79.51	-	D16.3-	-	-
calvarium	C41.0	C79.51	-	D16.4-	D48.0	D49.2
carpus (any)	C40.1-	C79.51	-	D16.1-	-	-
cartilage NEC	C41.9	C79.51	-	D16.9-	D48.0	D49.2
clavicle	C41.3	C79.51	-	D16.7-	D48.0	D49.2
clivus	C41.0	C79.51	-	D16.4-	D48.0	D49.2
coccygeal vertebra	C41.4	C79.51	-	D16.8-	D48.0	D49.2
coccyx	C41.4	C79.51	-	D16.8-	D48.0	D49.2
costal cartilage	C41.3	C79.51	-	D16.7-	D48.0	D49.2
costovertebral joint	C41.3	C79.51	-	D16.7-	D48.0	D49.2
cranial	C41.0	C79.51	-	D16.4-	D48.0	D49.2
cuboid	C40.3-	C79.51	-	D16.3-	-	-
cuneiform	C41.9	C79.51	-	D16.9-	D48.0	D49.2
elbow	C40.0-	C79.51	-	D16.0-	-	-

bone - canthus

Neoplasm	Malignant Primary	Malignant Secondary	Ca in situ	Benign	Uncertain Behavior	Unspecified Behavior
<i>bone — continued</i>						
ethmoid (labyrinth)	C41.0	C79.51	-	D16.4	D48.0	D49.2
face	C41.0	C79.51	-	D16.4	D48.0	D49.2
femur (any part)	C40.2	C79.51	-	D16.2	-	-
fibula (any part)	C40.2	C79.51	-	D16.2	-	-
finger (any)	C40.1	C79.51	-	D16.1	-	-
foot	C40.3	C79.51	-	D16.3	-	-
forearm	C40.0	C79.51	-	D16.0	-	-
frontal	C41.0	C79.51	-	D16.4	D48.0	D49.2
hand	C40.1	C79.51	-	D16.1	-	-
heel	C40.3	C79.51	-	D16.3	-	-
hip	C41.4	C79.51	-	D16.8	D48.0	D49.2
humerus (any part)	C40.0	C79.51	-	D16.0	-	-
hyoid	C41.0	C79.51	-	D16.4	D48.0	D49.2
ilium	C41.4	C79.51	-	D16.8	D48.0	D49.2
innominate	C41.4	C79.51	-	D16.8	D48.0	D49.2
intervertebral cartilage or disc	C41.2	C79.51	-	D16.6	D48.0	D49.2
ischium	C41.4	C79.51	-	D16.8	D48.0	D49.2
jaw (lower)	C41.1	C79.51	-	D16.5	D48.0	D49.2
knee	C40.2	C79.51	-	D16.2	-	-
leg NEC	C40.2	C79.51	-	D16.2	-	-
limb NEC	C40.9	C79.51	-	D16.9	-	-
lower (long bones)	C40.2	C79.51	-	D16.2	-	-
short bones	C40.3	C79.51	-	D16.3	-	-
upper (long bones)	C40.0	C79.51	-	D16.0	-	-
short bones	C40.1	C79.51	-	D16.1	-	-
malar	C41.0	C79.51	-	D16.4	D48.0	D49.2
mandible	C41.1	C79.51	-	D16.5	D48.0	D49.2
marrow NEC (any bone)	C96.9	C79.52	-	-	D47.9	D49.89
mastoid	C41.0	C79.51	-	D16.4	D48.0	D49.2
maxilla, maxillary (superior)	C41.0	C79.51	-	D16.4	D48.0	D49.2
inferior	C41.1	C79.51	-	D16.5	D48.0	D49.2
metacarpus (any)	C40.1	C79.51	-	D16.1	-	-
metatarsus (any)	C40.3	C79.51	-	D16.3	-	-
overlapping sites	C40.8	-	-	-	-	-
navicular						
ankle	C40.3	C79.51	-	-	-	-
hand	C40.1	C79.51	-	-	-	-
nose, nasal	C41.0	C79.51	-	D16.4	D48.0	D49.2
occipital	C41.0	C79.51	-	D16.4	D48.0	D49.2
orbit	C41.0	C79.51	-	D16.4	D48.0	D49.2
parietal	C41.0	C79.51	-	D16.4	D48.0	D49.2
patella	C40.2	C79.51	-	-	-	-
pelvic	C41.4	C79.51	-	D16.8	D48.0	D49.2
phalanges						
foot	C40.3	C79.51	-	-	-	-
hand	C40.1	C79.51	-	-	-	-
pubic	C41.4	C79.51	-	D16.8	D48.0	D49.2
radius (any part)	C40.0	C79.51	-	D16.0	-	-
rib	C41.3	C79.51	-	D16.7	D48.0	D49.2
sacral vertebra	C41.4	C79.51	-	D16.8	D48.0	D49.2
sacrum	C41.4	C79.51	-	D16.8	D48.0	D49.2
scaphoid						
of ankle	C40.3	C79.51	-	-	-	-
of hand	C40.1	C79.51	-	-	-	-
scapula (any part)	C40.0	C79.51	-	D16.0	-	-
sella turcica	C41.0	C79.51	-	D16.4	D48.0	D49.2
shoulder	C40.0	C79.51	-	D16.0	-	-
skull	C41.0	C79.51	-	D16.4	D48.0	D49.2
sphenoid	C41.0	C79.51	-	D16.4	D48.0	D49.2
spine, spinal (column)	C41.2	C79.51	-	D16.6	D48.0	D49.2
coccyx	C41.4	C79.51	-	D16.8	D48.0	D49.2
sacrum	C41.4	C79.51	-	D16.8	D48.0	D49.2
sternum	C41.3	C79.51	-	D16.7	D48.0	D49.2
tarsus (any)	C40.3	C79.51	-	-	-	-
temporal	C41.0	C79.51	-	D16.4	D48.0	D49.2
thumb	C40.1	C79.51	-	-	-	-
tibia (any part)	C40.2	C79.51	-	-	-	-
toe (any)	C40.3	C79.51	-	-	-	-
trapezium	C40.1	C79.51	-	-	-	-
trapezoid	C40.1	C79.51	-	-	-	-
turbinate	C41.0	C79.51	-	D16.4	D48.0	D49.2
ulna (any part)	C40.0	C79.51	-	D16.0	-	-
unciform	C40.1	C79.51	-	-	-	-
vertebra (column)	C41.2	C79.51	-	D16.6	D48.0	D49.2
coccyx	C41.4	C79.51	-	D16.8	D48.0	D49.2
sacrum	C41.4	C79.51	-	D16.8	D48.0	D49.2
vomer	C41.0	C79.51	-	D16.4	D48.0	D49.2
wrist	C40.1	C79.51	-	-	-	-
xiphoid process	C41.3	C79.51	-	D16.7	D48.0	D49.2
zygomatic	C41.0	C79.51	-	D16.4	D48.0	D49.2
book-leaf (mouth) [ventral surface of tongue and floor of mouth]	C06.89	C79.89	D00.00	D10.39	D37.09	D49.0
<i>bowel — see Neoplasm, intestine</i>						
brachial plexus	C47.1	C79.89	-	D36.12	D48.2	D49.2
brain NEC	C71.9	C79.31	-	D33.2	D43.2	D49.6
basal ganglia	C71.0	C79.31	-	D33.0	D43.0	D49.6
cerebellopontine angle	C71.6	C79.31	-	D33.1	D43.1	D49.6

Neoplasm	Malignant Primary	Malignant Secondary	Ca in situ	Benign	Uncertain Behavior	Unspecified Behavior
<i>brain NEC — continued</i>						
cerebellum NOS	C71.6	C79.31	-	D33.1	D43.1	D49.6
cerebrum	C71.0	C79.31	-	D33.0	D43.0	D49.6
choroid plexus	C71.7	C79.31	-	D33.1	D43.1	D49.6
corpus callosum	C71.8	C79.31	-	D33.2	D43.2	D49.6
corpus striatum	C71.0	C79.31	-	D33.0	D43.0	D49.6
cortex (cerebral)	C71.0	C79.31	-	D33.0	D43.0	D49.6
frontal lobe	C71.1	C79.31	-	D33.0	D43.0	D49.6
globus pallidus	C71.0	C79.31	-	D33.0	D43.0	D49.6
hippocampus	C71.2	C79.31	-	D33.0	D43.0	D49.6
hypothalamus	C71.0	C79.31	-	D33.0	D43.0	D49.6
internal capsule	C71.0	C79.31	-	D33.0	D43.0	D49.6
medulla oblongata	C71.7	C79.31	-	D33.1	D43.1	D49.6
meninges	C70.0	C79.32	-	D32.0	D42.0	D49.7
midbrain	C71.7	C79.31	-	D33.1	D43.1	D49.6
occipital lobe	C71.4	C79.31	-	D33.0	D43.0	D49.6
overlapping lesion	C71.8	C79.31	-	-	-	-
parietal lobe	C71.3	C79.31	-	D33.0	D43.0	D49.6
peduncle	C71.7	C79.31	-	D33.1	D43.1	D49.6
pons	C71.7	C79.31	-	D33.1	D43.1	D49.6
stem	C71.7	C79.31	-	D33.1	D43.1	D49.6
tapetum	C71.8	C79.31	-	D33.2	D43.2	D49.6
temporal lobe	C71.2	C79.31	-	D33.0	D43.0	D49.6
thalamus	C71.0	C79.31	-	D33.0	D43.0	D49.6
uncus	C71.2	C79.31	-	D33.0	D43.0	D49.6
ventricle (floor)	C71.5	C79.31	-	D33.0	D43.0	D49.6
fourth	C71.7	C79.31	-	D33.1	D43.1	D49.6
branchial (cleft) (cyst) (vestiges)	C10.4	C79.89	D00.08	D10.5	D37.05	D49.0
breast (connective tissue) (glandular tissue) (soft parts)	C50.9	C79.81	D05.-	D24.-	D48.6-	D49.3
areola	C50.0	C79.81	D05.-	D24.-	D48.6-	D49.3
axillary tail	C50.6	C79.81	D05.-	D24.-	D48.6-	D49.3
central portion	C50.1	C79.81	D05.-	D24.-	D48.6-	D49.3
inner	C50.8	C79.81	D05.-	D24.-	D48.6-	D49.3
lower	C50.8	C79.81	D05.-	D24.-	D48.6-	D49.3
lower-inner quadrant	C50.3	C79.81	D05.-	D24.-	D48.6-	D49.3
lower-outer quadrant	C50.5	C79.81	D05.-	D24.-	D48.6-	D49.3
mastectomy site (skin) (see also Neoplasm, breast, skin)	C44.501	C79.2	-	-	-	-
specified as breast tissue	C50.8	C79.81	-	-	-	-
midline	C50.8	C79.81	D05.-	D24.-	D48.6-	D49.3
nipple	C50.0	C79.81	D05.-	D24.-	D48.6-	D49.3
outer	C50.8	C79.81	D05.-	D24.-	D48.6-	D49.3
overlapping lesion	C50.8	-	-	-	-	-
skin	C44.501	C79.2	D04.5	D23.5	D48.5	D49.2
basal cell carcinoma	C44.511	-	-	-	-	-
specified type NEC	C44.591	-	-	-	-	-
squamous cell carcinoma	C44.521	-	-	-	-	-
tail (axillary)	C50.6	C79.81	D05.-	D24.-	D48.6-	D49.3
upper	C50.8	C79.81	D05.-	D24.-	D48.6-	D49.3
upper-inner quadrant	C50.2	C79.81	D05.-	D24.-	D48.6-	D49.3
upper-outer quadrant	C50.4	C79.81	D05.-	D24.-	D48.6-	D49.3
brood ligament	C57.1	C79.82	D07.39	D28.2	D39.8	D49.59
bronchiogenic, bronchogenic (lung)	C34.9	C78.0	D02.2	D14.3	D38.1	D49.1
bronchiole	C34.9	C78.0	D02.2	D14.3	D38.1	D49.1
bronchus	C34.9	C78.0	D02.2	D14.3	D38.1	D49.1
carina	C34.0	C78.0	D02.2	D14.3	D38.1	D49.1
lower lobe of lung	C34.3	C78.0	D02.2	D14.3	D38.1	D49.1
main	C34.0	C78.0	D02.2	D14.3	D38.1	D49.1
middle lobe of lung	C34.2	C78.0	D02.21	D14.31	D38.1	D49.1
overlapping lesion	C34.8	-	-	-	-	-
upper lobe of lung	C34.1	C78.0	D02.2	D14.3	D38.1	D49.1
brow	C44.309	C79.2	D04.39	D23.39	D48.5	D49.2
basal cell carcinoma	C44.319	-	-	-	-	-
specified type NEC	C44.399	-	-	-	-	-
squamous cell carcinoma	C44.329	-	-	-	-	-
buccal (cavity)	C06.9	C79.89	D00.00	D10.39	D37.09	D49.0
commissure	C06.0	C79.89	D00.02	D10.39	D37.09	D49.0
groove (lower) (upper)	C06.1	C79.89	D00.02	D10.39	D37.09	D49.0
mucosa	C06.0	C79.89	D00.02	D10.39	D37.09	D49.0
sulcus (lower) (upper)	C06.1	C79.89	D00.02	D10.39	D37.09	D49.0
bulbourethral gland	C68.0	C79.19	D09.19	D30.4	D41.3	D49.59
bursa — see Neoplasm, connective tissue						
buttock NEC	C76.3	C79.89	D04.5	D36.7	D48.7	D49.89
calf	C76.5	C79.89	D04.7	D36.7	D48.7	D49.89
calvarium	C41.0	C79.51	-	D16.4	D48.0	D49.2
calyx, renal	C65.-	C79.0	D09.19	D30.1-	D41.1-	D49.51-
canal						
anal	C21.1	C78.5	D01.3	D12.9	D37.8	D49.0
auditory (external) (see also Neoplasm, skin, ear)	C44.20-	C79.2	D04.2	D23.2	D48.5	D49.2
auricular (external) (see also Neoplasm, skin, ear)	C44.20-	C79.2	D04.2	D23.2	D48.5	D49.2
canaliculi, biliary (bilifer) (intrahepatic)	C22.1	C78.7	D01.5	D13.4	D37.6	D49.0
canthus (eye) (inner) (outer)	C44.10-	C79.2	D04.1-	D23.1-	D48.5	D49.2
basal cell carcinoma	C44.11-	-	-	-	-	-
sebaceous cell	C44.13-	-	-	-	-	-
specified type NEC	C44.19-	-	-	-	-	-
squamous cell carcinoma	C44.12-	-	-	-	-	-

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A

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sequelae of — see W00-X58 with 7th character S
skateboard — see Accident, transport, pedestrian, conveyance, skateboard
ski (ing) — see Accident, transport, pedestrian, conveyance
lift V98.3 ☑
specified cause NEC X58 ☑
streetcar — see Accident, transport, streetcar occupant
traffic (victim's mode of transport NOS) V87.9 ☑
collision (between) V87.7 ☑
bus and truck V87.5 ☑
car and:
bus V87.3 ☑
pickup V87.2 ☑
three-wheeled motor vehicle V87.0 ☑
train V87.6 ☑
truck V87.4 ☑
two-wheeled motor vehicle V87.0 ☑
van V87.2 ☑
specified vehicle NEC V86.39 ☑
and
three-wheeled motor vehicle V87.1 ☑
two-wheeled motor vehicle V87.1 ☑
driver V86.09 ☑
person on outside V86.29 ☑
passenger V86.19 ☑
while boarding or alighting V86.49 ☑
known mode of transport — see Accident, transport, by type of vehicle
noncollision V87.8 ☑
transport (involving injury to) V99 ☑
18 wheeler — see Accident, transport, truck occupant
agricultural vehicle occupant (nontraffic) V84.9 ☑
driver V84.5 ☑
hanger-on V84.7 ☑
passenger V84.6 ☑
traffic V84.3 ☑
driver V84.0 ☑
hanger-on V84.2 ☑
passenger V84.1 ☑
while boarding or alighting V84.4 ☑
aircraft NEC V97.89 ☑
military NEC V97.818 ☑
with civilian aircraft V97.810 ☑
civilian injured by V97.811 ☑
occupant injured (in)
nonpowered craft accident V96.9 ☑
balloon V96.00 ☑
collision V96.03 ☑
crash V96.01 ☑
explosion V96.05 ☑
fire V96.04 ☑
forced landing V96.02 ☑
specified type NEC V96.09 ☑
glider V96.20 ☑
collision V96.23 ☑
crash V96.21 ☑
explosion V96.25 ☑
fire V96.24 ☑
forced landing V96.22 ☑
specified type NEC V96.29 ☑
hang glider V96.10 ☑
collision V96.13 ☑
crash V96.11 ☑
explosion V96.15 ☑
fire V96.14 ☑
forced landing V96.12 ☑
specified type NEC V96.19 ☑
specified craft NEC V96.8 ☑
powered craft accident V95.9 ☑
fixed wing NEC
commercial V95.30 ☑
collision V95.33 ☑
crash V95.31 ☑
explosion V95.35 ☑
fire V95.34 ☑
forced landing V95.32 ☑
specified type NEC V95.39 ☑
private V95.20 ☑
collision V95.23 ☑
crash V95.21 ☑

Accident

Accident — continued

transport — continued

- explosion V95.25 ☑
- fire V95.24 ☑
- forced landing V95.22 ☑
- specified type NEC V95.29 ☑
- glider V95.10 ☑
- collision V95.13 ☑
- crash V95.11 ☑
- explosion V95.15 ☑
- fire V95.14 ☑
- forced landing V95.12 ☑
- specified type NEC V95.19 ☑
- helicopter V95.00 ☑
- collision V95.03 ☑
- crash V95.01 ☑
- explosion V95.05 ☑
- fire V95.04 ☑
- forced landing V95.02 ☑
- specified type NEC V95.09 ☑
- spacecraft V95.40 ☑
- collision V95.43 ☑
- crash V95.41 ☑
- explosion V95.45 ☑
- fire V95.44 ☑
- forced landing V95.42 ☑
- specified type NEC V95.49 ☑
- specified craft NEC V95.8 ☑
- ultralight V95.10 ☑
- collision V95.13 ☑
- crash V95.11 ☑
- explosion V95.15 ☑
- fire V95.14 ☑
- forced landing V95.12 ☑
- specified type NEC V95.19 ☑
- specified accident NEC V97.0 ☑
- while boarding or alighting V97.1 ☑
- person (injured by)
 - falling from, in or on aircraft V97.0 ☑
 - machinery on aircraft V97.89 ☑
 - on ground with aircraft involvement V97.39 ☑
 - rotating propeller V97.32 ☑
 - struck by object falling from aircraft V97.31 ☑
 - sucked into aircraft jet V97.33 ☑
 - while boarding or alighting aircraft V97.1 ☑
- airport (battery-powered) passenger vehicle — see Accident, transport, industrial vehicle occupant
- all-terrain vehicle occupant (nontraffic) V86.95 ☑
 - driver V86.55 ☑
 - dune buggy — see Accident, transport, dune buggy occupant
 - hanger-on V86.75 ☑
 - passenger V86.65 ☑
 - snowmobile — see Accident, transport, snowmobile occupant
 - specified type NEC V86.99 ☑
 - driver V86.59 ☑
 - passenger V86.69 ☑
 - person on outside V86.79 ☑
 - traffic V86.35 ☑
 - driver V86.05 ☑
 - hanger-on V86.25 ☑
 - passenger V86.15 ☑
 - while boarding or alighting V86.45 ☑
- ambulance occupant (traffic) V86.31 ☑
 - driver V86.01 ☑
 - hanger-on V86.21 ☑
 - nontraffic V86.91 ☑
 - driver V86.51 ☑
 - hanger-on V86.71 ☑
 - passenger V86.61 ☑
 - passenger V86.11 ☑
 - while boarding or alighting V86.41 ☑
- animal-drawn vehicle occupant (in) V80.929 ☑
 - collision (with)
 - animal V80.12 ☑
 - being ridden V80.711 ☑
 - animal-drawn vehicle V80.721 ☑
 - bus V80.42 ☑
 - car V80.42 ☑
 - fixed or stationary object V80.82 ☑
 - military vehicle V80.920 ☑
 - nonmotor vehicle V80.791 ☑
 - pedal cycle V80.22 ☑
 - pedestrian V80.12 ☑
 - pickup V80.42 ☑
 - railway train or vehicle V80.62 ☑
 - specified motor vehicle NEC V80.52 ☑
 - streetcar V80.731 ☑
 - truck V80.42 ☑

Accident — continued

transport — continued

- two- or three-wheeled motor vehicle V80.32 ☑
- van V80.42 ☑
- noncollision V80.02 ☑
- specified circumstance NEC V80.928 ☑
- animal-rider V80.919 ☑
- collision (with)
 - animal V80.11 ☑
 - being ridden V80.710 ☑
 - animal-drawn vehicle V80.720 ☑
 - bus V80.41 ☑
 - car V80.41 ☑
 - fixed or stationary object V80.81 ☑
 - military vehicle V80.910 ☑
 - nonmotor vehicle V80.790 ☑
 - pedal cycle V80.21 ☑
 - pedestrian V80.11 ☑
 - pickup V80.41 ☑
 - railway train or vehicle V80.61 ☑
 - specified motor vehicle NEC V80.51 ☑
 - streetcar V80.730 ☑
 - truck V80.41 ☑
 - two- or three-wheeled motor vehicle V80.31 ☑
 - van V80.41 ☑
 - noncollision V80.018 ☑
 - specified as horse rider V80.010 ☑
 - specified circumstance NEC V80.918 ☑
- armored car — see Accident, transport, truck occupant
- battery-powered truck (baggage) (mail) — see Accident, transport, industrial vehicle occupant
- bus occupant V79.9 ☑
 - collision (with)
 - animal (traffic) V70.9 ☑
 - being ridden (traffic) V76.9 ☑
 - nontraffic V76.3 ☑
 - while boarding or alighting V76.4 ☑
 - nontraffic V70.3 ☑
 - while boarding or alighting V70.4 ☑
 - animal-drawn vehicle (traffic) V76.9 ☑
 - nontraffic V76.3 ☑
 - while boarding or alighting V76.4 ☑
 - bus (traffic) V74.9 ☑
 - nontraffic V74.3 ☑
 - while boarding or alighting V74.4 ☑
 - car (traffic) V73.9 ☑
 - nontraffic V73.3 ☑
 - while boarding or alighting V73.4 ☑
 - motor vehicle NOS (traffic) V79.60 ☑
 - nontraffic V79.20 ☑
 - specified type NEC (traffic) V79.69 ☑
 - nontraffic V79.29 ☑
 - pedal cycle (traffic) V71.9 ☑
 - nontraffic V71.3 ☑
 - while boarding or alighting V71.4 ☑
 - pickup truck (traffic) V73.9 ☑
 - nontraffic V73.3 ☑
 - while boarding or alighting V73.4 ☑
 - railway vehicle (traffic) V75.9 ☑
 - nontraffic V75.3 ☑
 - while boarding or alighting V75.4 ☑
 - specified vehicle NEC (traffic) V76.9 ☑
 - nontraffic V76.3 ☑
 - while boarding or alighting V76.4 ☑
 - stationary object (traffic) V77.9 ☑
 - nontraffic V77.3 ☑
 - while boarding or alighting V77.4 ☑
 - streetcar (traffic) V76.9 ☑
 - nontraffic V76.3 ☑
 - while boarding or alighting V76.4 ☑
 - three wheeled motor vehicle (traffic) V72.9 ☑
 - nontraffic V72.3 ☑
 - while boarding or alighting V72.4 ☑
 - truck (traffic) V74.9 ☑
 - nontraffic V74.3 ☑
 - while boarding or alighting V74.4 ☑
 - two wheeled motor vehicle (traffic) V72.9 ☑
 - nontraffic V72.3 ☑
 - while boarding or alighting V72.4 ☑
 - van (traffic) V73.9 ☑
 - nontraffic V73.3 ☑
 - while boarding or alighting V73.4 ☑
- driver
 - collision (with)
 - animal (traffic) V70.5 ☑
 - being ridden (traffic) V76.5 ☑
 - nontraffic V76.0 ☑
 - nontraffic V70.0 ☑

Accident — continued

transport — continued

- animal-drawn vehicle (traffic) V76.5 ☑
 - nontraffic V76.0 ☑
- bus (traffic) V74.5 ☑
 - nontraffic V74.0 ☑
- car (traffic) V73.5 ☑
 - nontraffic V73.0 ☑
- motor vehicle NOS (traffic) V79.40 ☑
 - nontraffic V79.00 ☑
 - specified type NEC (traffic) V79.49 ☑
 - nontraffic V79.09 ☑
- pedal cycle (traffic) V71.5 ☑
 - nontraffic V71.0 ☑
- pickup truck (traffic) V73.5 ☑
 - nontraffic V73.0 ☑
- railway vehicle (traffic) V75.5 ☑
 - nontraffic V75.0 ☑
- specified vehicle NEC (traffic) V76.5 ☑
 - nontraffic V76.0 ☑
- stationary object (traffic) V77.5 ☑
 - nontraffic V77.0 ☑
- streetcar (traffic) V76.5 ☑
 - nontraffic V76.0 ☑
- three wheeled motor vehicle (traffic) V72.5 ☑
 - nontraffic V72.0 ☑
- truck (traffic) V74.5 ☑
 - nontraffic V74.0 ☑
- two wheeled motor vehicle (traffic) V72.5 ☑
 - nontraffic V72.0 ☑
- van (traffic) V73.5 ☑
 - nontraffic V73.0 ☑
- noncollision accident (traffic) V78.5 ☑
 - nontraffic V78.0 ☑
- noncollision accident (traffic) V78.9 ☑
 - nontraffic V78.3 ☑
 - while boarding or alighting V78.4 ☑
 - nontraffic V79.3 ☑
- hanger-on
 - collision (with)
 - animal (traffic) V70.7 ☑
 - being ridden (traffic) V76.7 ☑
 - nontraffic V76.2 ☑
 - nontraffic V70.2 ☑
 - animal-drawn vehicle (traffic) V76.7 ☑
 - nontraffic V76.2 ☑
 - bus (traffic) V74.7 ☑
 - nontraffic V74.2 ☑
 - car (traffic) V73.7 ☑
 - nontraffic V73.2 ☑
 - pedal cycle (traffic) V71.7 ☑
 - nontraffic V71.2 ☑
 - pickup truck (traffic) V73.7 ☑
 - nontraffic V73.2 ☑
 - railway vehicle (traffic) V75.7 ☑
 - nontraffic V75.2 ☑
 - specified vehicle NEC (traffic) V76.7 ☑
 - nontraffic V76.2 ☑
 - stationary object (traffic) V77.7 ☑
 - nontraffic V77.2 ☑
 - streetcar (traffic) V76.7 ☑
 - nontraffic V76.2 ☑
 - three wheeled motor vehicle (traffic) V72.7 ☑
 - nontraffic V72.2 ☑
 - truck (traffic) V74.7 ☑
 - nontraffic V74.2 ☑
 - two wheeled motor vehicle (traffic) V72.7 ☑
 - nontraffic V72.2 ☑
 - van (traffic) V73.7 ☑
 - nontraffic V73.2 ☑
- noncollision accident (traffic) V78.7 ☑
 - nontraffic V78.2 ☑
- passenger
 - collision (with)
 - animal (traffic) V70.6 ☑
 - being ridden (traffic) V76.6 ☑
 - nontraffic V76.1 ☑
 - nontraffic V70.1 ☑
 - animal-drawn vehicle (traffic) V76.6 ☑
 - nontraffic V76.1 ☑
 - bus (traffic) V74.6 ☑
 - nontraffic V74.1 ☑
 - car (traffic) V73.6 ☑
 - nontraffic V73.1 ☑
 - motor vehicle NOS (traffic) V79.50 ☑
 - nontraffic V79.10 ☑
 - specified type NEC (traffic) V79.59 ☑
 - nontraffic V79.19 ☑

Chapter 1: Certain Infectious and Parasitic Diseases (A00-B99)

Certain infectious and parasitic diseases (A00-B99)

INCLUDES diseases generally recognized as communicable or transmissible
Use additional code to identify resistance to antimicrobial drugs (Z16.-)

EXCLUDES1 certain localized infections - see body system-related chapters

EXCLUDES2 carrier or suspected carrier of infectious disease (Z22.-)

infectious and parasitic diseases complicating pregnancy, childbirth and the puerperium (O98.-)

infectious and parasitic diseases specific to the perinatal period (P35-P39)

influenza and other acute respiratory infections (J00-J22)

This chapter contains the following blocks:










































































































































- A00-A09 Intestinal infectious diseases
- A15-A19 Tuberculosis
- A20-A28 Certain zoonotic bacterial diseases
- A30-A49 Other bacterial diseases
- A50-A64 Infections with a predominantly sexual mode of transmission
- A65-A69 Other spirochetal diseases
- A70-A74 Other diseases caused by chlamydiae
- A75-A79 Rickettsioses
- A80-A89 Viral and prion infections of the central nervous system
- A90-A99 Arthropod-borne viral fevers and viral hemorrhagic fevers
- B00-B09 Viral infections characterized by skin and mucous membrane lesions
- B10 Other human herpesviruses
- B15-B19 Viral hepatitis
- B20 Human immunodeficiency virus [HIV] disease
- B25-B34 Other viral diseases
- B35-B49 Mycoses
- B50-B64 Protozoal diseases
- B65-B83 Helminthiasis
- B85-B89 Pediculosis, acariasis and other infestations
- B90-B94 Sequelae of infectious and parasitic diseases
- B95-B97 Bacterial and viral infectious agents
- B99 Other infectious diseases











Intestinal infectious diseases (A00-A09)

- A00** Cholera
 - A00.0 Cholera due to *Vibrio cholerae* 01, **biovar cholerae**
 - Classical cholera
 - A00.1 Cholera due to *Vibrio cholerae* 01, **biovar eltor**
 - Cholera eltor
 - A00.9 **Cholera, unspecified**
- A01** Typhoid and paratyphoid fevers
 - A01.0** Typhoid fever
 - Infection due to *Salmonella typhi*
 - A01.00 **Typhoid fever, unspecified**
 - A01.01 Typhoid meningitis
 - A01.02 Typhoid fever with heart involvement
 - Typhoid endocarditis
 - Typhoid myocarditis
 - A01.03 Typhoid pneumonia
 - A01.04 Typhoid arthritis
 - A01.05 Typhoid osteomyelitis
 - A01.09 Typhoid fever with other complications
 - A01.1 Paratyphoid fever A
 - A01.2 Paratyphoid fever B
 - A01.3 Paratyphoid fever C
 - A01.4 **Paratyphoid fever, unspecified**
 - Infection due to *Salmonella paratyphi* NOS
- A02** Other salmonella infections
 - INCLUDES** infection or foodborne intoxication due to any *Salmonella* species other than *S. typhi* and *S. paratyphi*

- A02.0 *Salmonella enteritis*
- Salmonellosis
- A02.1 *Salmonella sepsis*
- A02.2** Localized salmonella infections
 - A02.20 **Localized salmonella infection, unspecified**
 - A02.21 *Salmonella meningitis*
 - A02.22 *Salmonella pneumonia*
 - A02.23 *Salmonella arthritis*
 - A02.24 *Salmonella osteomyelitis*
 - A02.25 *Salmonella pyelonephritis*
 - Salmonella tubulo-interstitial nephropathy*
 - A02.29 *Salmonella with other localized infection*
- A02.8 Other specified salmonella infections
- A02.9 **Salmonella infection, unspecified**
- A03** Shigellosis
 - DEFINITION:** Shigellosis is caused by a group of bacteria called *Shigella*, leading to diarrhea, fever, and stomach cramps.
 - A03.0 Shigellosis due to *Shigella dysenteriae*
 - Group A shigellosis [Shiga-Kruse dysentery]
 - A03.1 Shigellosis due to *Shigella flexneri*
 - Group B shigellosis
 - A03.2 Shigellosis due to *Shigella boydii*
 - Group C shigellosis
 - A03.3 Shigellosis due to *Shigella sonnei*
 - Group D shigellosis
 - A03.8 Other shigellosis
 - A03.9 **Shigellosis, unspecified**
 - Bacillary dysentery NOS
- A04** Other bacterial intestinal infections
 - EXCLUDES1** bacterial foodborne intoxications, NEC (A05.-)
 - tuberculous enteritis (A18.32)*
 - A04.0 Enteropathogenic *Escherichia coli* infection
 - A04.1 Enterotoxigenic *Escherichia coli* infection
 - A04.2 Enteroinvasive *Escherichia coli* infection
 - A04.3 Enterohemorrhagic *Escherichia coli* infection
 - A04.4 Other intestinal *Escherichia coli* infections
 - Escherichia coli enteritis NOS*
 - A04.5 *Campylobacter enteritis*
 - A04.6 Enteritis due to *Yersinia enterocolitica*
 - EXCLUDES1** extraintestinal yersiniosis (A28.2)
 - A04.7** Enterocolitis due to *Clostridium difficile*
 - Foodborne intoxication by *Clostridium difficile*
 - Pseudomembranous colitis
 - A04.71 Enterocolitis due to *Clostridium difficile*, recurrent
 - AHA: Q4 2017
 - A04.72 Enterocolitis due to *Clostridium difficile*, not specified as recurrent
 - AHA: Q4 2017
 - A04.8 Other specified bacterial intestinal infections
 - A04.9 **Bacterial intestinal infection, unspecified**
 - Bacterial enteritis NOS
- A05** Other bacterial foodborne intoxications, not elsewhere classified
 - EXCLUDES1** *Clostridium difficile* foodborne intoxication and infection (A04.7-)
 - Escherichia coli* infection (A04.0-A04.4)
 - listeriosis (A32.-)*
 - salmonella* foodborne intoxication and infection (A02.-)
 - toxic effect of noxious foodstuffs (T61-T62)*
 - A05.0 Foodborne staphylococcal intoxication
 - A05.1 **Botulism food poisoning**
 - Botulism NOS
 - Classical foodborne intoxication due to *Clostridium botulinum*
 - EXCLUDES1** infant botulism (A48.51)
 - wound botulism (A48.52)

Unspecified Code Other Specified Code Manifestation Code N Newborn P Pediatric M Maternity A Adult ♂ Male ♀ Female
 ● New Code * New Text ▲ Revised Code Title ▶◀ Revised Text NOTES INCLUDES EXCLUDES1 Not coded here
 EXCLUDES2 Not included here 4th character required 5th character required 6th character required 7th character required
 7th Extension 'X' Alert HAC Hospital-acquired condition (HAC) alert AHA AHA Coding Clinic Code first alert

<p>A39.89 Other meningococcal infections    AHA: Q3 2016 Meningococcal conjunctivitis</p> <p>A39.9 Meningococcal infection, unspecified    AHA: Q3 2016 Meningococcal disease NOS</p> <p>A40 Streptococcal sepsis  See Official Guidelines "Puerperal sepsis" I.C.15.k  Code first postprocedural streptococcal sepsis (T81.4-) streptococcal sepsis during labor (O75.3) streptococcal sepsis following abortion or ectopic or molar pregnancy (O03-O07, O08.0) streptococcal sepsis following immunization (T88.0) streptococcal sepsis following infusion, transfusion or therapeutic injection (T80.2-) EXCLUDES1 neonatal (P36.0-P36.1) puerperal sepsis (O85) sepsis due to <i>Streptococcus, group D</i> (A41.81)</p> <p>A40.0 Sepsis due to streptococcus, group A     AHA: Q3 2016</p> <p>A40.1 Sepsis due to streptococcus, group B     AHA: Q1 2019, Q4 2018, Q3 2016</p> <p>A40.3 Sepsis due to Streptococcus pneumoniae   AHA: Q3 2016 Pneumococcal sepsis</p> <p>A40.8 Other streptococcal sepsis     AHA: Q3 2016</p> <p>A40.9 Streptococcal sepsis, unspecified     AHA: Q3 2016</p> <p>A41 Other sepsis  See Official Guidelines "Puerperal sepsis" I.C.15.k  Code first postprocedural sepsis (T81.4-) sepsis during labor (O75.3) sepsis following abortion, ectopic or molar pregnancy (O03-O07, O08.0) sepsis following immunization (T88.0) sepsis following infusion, transfusion or therapeutic injection (T80.2-) EXCLUDES1 bacteremia NOS (R78.81) neonatal (P36.-) puerperal sepsis (O85) streptococcal sepsis (A40.-) EXCLUDES2 sepsis (due to) (in) actinomycotic (A42.7) sepsis (due to) (in) anthrax (A22.7) sepsis (due to) (in) candidal (B37.7) sepsis (due to) (in) Erysipelothrix (A26.7) sepsis (due to) (in) extraintestinal yersiniosis (A28.2) sepsis (due to) (in) gonococcal (A54.86) sepsis (due to) (in) herpesviral (B00.7) sepsis (due to) (in) listerial (A32.7) sepsis (due to) (in) melioidosis (A24.1) sepsis (due to) (in) meningococcal (A39.2-A39.4) sepsis (due to) (in) plague (A20.7) sepsis (due to) (in) tularemia (A21.7) toxic shock syndrome (A48.3)</p> <p>A41.0 Sepsis due to Staphylococcus aureus A41.01 Sepsis due to Methicillin susceptible Staphylococcus aureus     AHA: Q3 2016 MSSA sepsis Staphylococcus aureus sepsis NOS</p> <p>A41.02 Sepsis due to Methicillin resistant Staphylococcus aureus      See Official Guidelines "Combination codes for MRSA infections" I.C.1.e.1.a AHA: Q3 2016</p> <p>A41.1 Sepsis due to other specified staphylococcus     AHA: Q3 2016 Coagulase negative staphylococcus sepsis</p> <p>A41.2 Sepsis due to unspecified staphylococcus     AHA: Q3 2016</p> <p>A41.3 Sepsis due to Hemophilus influenzae     AHA: Q3 2016</p>	<p>A41.4 Sepsis due to anaerobes     AHA: Q3 2016 EXCLUDES1 gas gangrene (A48.0)</p> <p>A41.5 Sepsis due to other Gram-negative organisms A41.50 Gram-negative sepsis, unspecified     AHA: Q3 2016 Gram-negative sepsis NOS</p> <p>A41.51 Sepsis due to Escherichia coli [E. coli]     AHA: Q1 2018, Q3 2016</p> <p>A41.52 Sepsis due to Pseudomonas     AHA: Q3 2016 Pseudomonas aeruginosa</p> <p>A41.53 Sepsis due to Serratia     AHA: Q3 2016</p> <p>A41.59 Other Gram-negative sepsis     AHA: Q1 2019, Q3 2016</p> <p>A41.8 Other specified sepsis A41.81 Sepsis due to Enterococcus     AHA: Q3 2016</p> <p>A41.89 Other specified sepsis     AHA: Q3 2016</p> <p>A41.9 Sepsis, unspecified organism      See Official Guidelines "Sepsis" I.C.1.d.1.a, "Severe sepsis" I.C.1.d.1.b AHA: Q4 2018, Q3 2016 Septicemia NOS</p> <p>A42 Actinomycosis EXCLUDES1 actinomycetoma (B47.1)</p> <p>A42.0 Pulmonary actinomycosis     AHA: Q3 2016</p> <p>A42.1 Abdominal actinomycosis    AHA: Q3 2016</p> <p>A42.2 Cervicofacial actinomycosis    AHA: Q3 2016</p> <p>A42.7 Actinomycotic sepsis     AHA: Q3 2016</p> <p>A42.8 Other forms of actinomycosis A42.81 Actinomycotic meningitis    AHA: Q3 2016</p> <p>A42.82 Actinomycotic encephalitis    AHA: Q3 2016</p> <p>A42.89 Other forms of actinomycosis    AHA: Q3 2016</p> <p>A42.9 Actinomycosis, unspecified    AHA: Q3 2016</p> <p>A43 Nocardiosis A43.0 Pulmonary nocardiosis     AHA: Q3 2016</p> <p>A43.1 Cutaneous nocardiosis    AHA: Q3 2016</p> <p>A43.8 Other forms of nocardiosis    AHA: Q3 2016</p> <p>A43.9 Nocardiosis, unspecified    AHA: Q3 2016</p> <p>A44 Bartonellosis A44.0 Systemic bartonellosis    AHA: Q3 2016 Oroya fever</p> <p>A44.1 Cutaneous and mucocutaneous bartonellosis    AHA: Q3 2016 Verruga peruana</p> <p>A44.8 Other forms of bartonellosis    AHA: Q3 2016</p> <p>A44.9 Bartonellosis, unspecified    AHA: Q3 2016</p> <p>A46 Erysipelas AHA: Q3 2016 EXCLUDES1 postpartum or puerperal erysipelas (O86.89)</p> <p>A48 Other bacterial diseases, not elsewhere classified EXCLUDES1 actinomycetoma (B47.1)</p>
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 Unacceptable principal diagnosis symbol per Medicare code edits
 Code exempt from diagnosis present on admission requirement
 Questionable admission
 Complication or comorbidity
 Major complication or comorbidity
 CC/MCC exclusion
 HCC diagnosis code
 RxHCC diagnosis code
MACRA code
DEFINITION Describes condition/terminology
TIP Coding guidance
 Official Guideline Reference
 Z code as first-listed diagnosis

Code first Human immunodeficiency virus [HIV] disease complicating pregnancy, childbirth and the puerperium, if applicable (O98.7-)
Use additional code(s) to identify all manifestations of HIV infection
EXCLUDES1 asymptomatic human immunodeficiency virus [HIV] infection status (Z21)
 exposure to HIV virus (Z20.6)
 inconclusive serologic evidence of HIV (R75)

Other viral diseases (B25-B34)

- B25 Cytomegaloviral disease**
EXCLUDES1 congenital cytomegalovirus infection (P35.1)
 cytomegaloviral mononucleosis (B27.1-)
- B25.0 Cytomegaloviral **pneumonitis**
- B25.1 Cytomegaloviral **hepatitis**
- B25.2 Cytomegaloviral **pancreatitis**
- B25.8 **Other** cytomegaloviral diseases
 Cytomegaloviral encephalitis
- B25.9 **Cytomegaloviral disease, unspecified**
- B26 Mumps**
DEFINITION: Mumps is a highly contagious viral disease that causes swelling and pain in the salivary glands.
INCLUDES epidemic parotitis
 infectious parotitis
- B26.0 Mumps **orchitis**
- B26.1 Mumps **meningitis**
- B26.2 Mumps **encephalitis**
- B26.3 Mumps **pancreatitis**
- B26.8 Mumps with other complications**
 B26.81 Mumps **hepatitis**
 B26.82 Mumps **myocarditis**
 B26.83 Mumps **nephritis**
 B26.84 Mumps **polyneuropathy**
 B26.85 Mumps **arthritis**
 B26.89 **Other mumps complications**
- B26.9 Mumps **without complication**
 Mumps NOS
 Mumps parotitis NOS
- B27 Infectious mononucleosis**
INCLUDES glandular fever
 monocytic angina
 Pfeiffer's disease
- B27.0 Gammaherpesviral mononucleosis (Figure 1.4)**
 Mononucleosis due to Epstein-Barr virus
- B27.00 Gammaherpesviral mononucleosis **without complication**
- B27.01 Gammaherpesviral mononucleosis **with polyneuropathy**
- B27.02 Gammaherpesviral mononucleosis **with meningitis**
- B27.09 Gammaherpesviral mononucleosis **with other complications**
 Hepatomegaly in gammaherpesviral mononucleosis

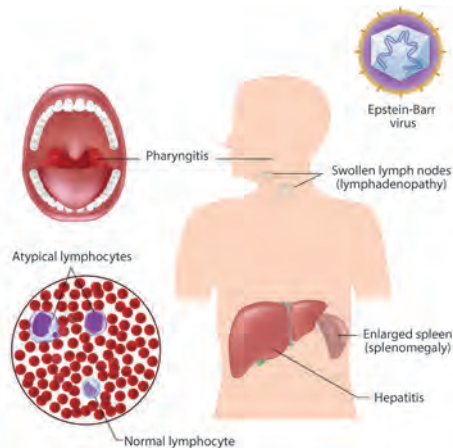





























Figure 1.4 Symptoms of Mononucleosis Due to Epstein-Barr Virus

- B27.1 Cytomegaloviral mononucleosis**
 B27.10 Cytomegaloviral mononucleosis **without complications**
 B27.11 Cytomegaloviral mononucleosis **with polyneuropathy**
 B27.12 Cytomegaloviral mononucleosis **with meningitis**
 B27.19 Cytomegaloviral mononucleosis **with other complication**
 Hepatomegaly in cytomegaloviral mononucleosis
- B27.8 Other infectious mononucleosis**
 B27.80 **Other infectious mononucleosis without complication**
 B27.81 **Other infectious mononucleosis with polyneuropathy**
 B27.82 **Other infectious mononucleosis with meningitis**
 B27.89 **Other infectious mononucleosis with other complication**
 Hepatomegaly in other infectious mononucleosis
- B27.9 Infectious mononucleosis, unspecified**
 B27.90 **Infectious mononucleosis, unspecified without complication**
 B27.91 **Infectious mononucleosis, unspecified with polyneuropathy**
 B27.92 **Infectious mononucleosis, unspecified with meningitis**
 B27.99 **Infectious mononucleosis, unspecified with other complication**
 Hepatomegaly in unspecified infectious mononucleosis
- B30 Viral conjunctivitis**
EXCLUDES1 herpesviral [herpes simplex] ocular disease (B00.5)
 ocular zoster (B02.3)
- B30.0 **Keratoconjunctivitis due to adenovirus**
 Epidemic keratoconjunctivitis
 Shipyard eye
- B30.1 **Conjunctivitis due to adenovirus**
 Acute adenoviral follicular conjunctivitis
 Swimming-pool conjunctivitis
- B30.2 **Viral pharyngoconjunctivitis**
- B30.3 **Acute epidemic hemorrhagic conjunctivitis (enteroviral)**
 Conjunctivitis due to coxsackievirus 24
 Conjunctivitis due to enterovirus 70
 Hemorrhagic conjunctivitis (acute)(epidemic)
- B30.8 **Other viral conjunctivitis**
 Newcastle conjunctivitis
- B30.9 **Viral conjunctivitis, unspecified**
- B33 Other viral diseases, not elsewhere classified**
 B33.0 **Epidemic myalgia**
 Bornholm disease
- B33.1 **Ross River disease**
 Epidemic polyarthritis and exanthema
 Ross River fever
- B33.2 Viral carditis**
 Coxsackie (virus) carditis
- B33.20 **Viral carditis, unspecified**
- B33.21 **Viral endocarditis**
- B33.22 **Viral myocarditis**
- B33.23 **Viral pericarditis**
- B33.24 **Viral cardiomyopathy**
- B33.3 **Retrovirus infections, not elsewhere classified**
 Retrovirus infection NOS
- B33.4 **Hantavirus (cardio)-pulmonary syndrome [HPS] [HCPS]**
 Hantavirus disease with pulmonary manifestations
 Sin nombre virus disease
Use additional code to identify any associated acute kidney failure (N17.9)
EXCLUDES1 hantavirus disease with renal manifestations (A98.5)
 hemorrhagic fever with renal manifestations (A98.5)

Unspecified Code Other Specified Code Manifestation Code **N** Newborn **P** Pediatric **M** Maternity **A** Adult ♂ Male ♀ Female
 ● New Code * New Text ▲ Revised Code Title ▶◀ Revised Text **NOTES** **INCLUDES** **EXCLUDES1** Not coded here
EXCLUDES2 Not included here **4th** 4th character required **5th** 5th character required **6th** 6th character required **7th** 7th character required
7th Extension 'X' Alert **HAC** Hospital-acquired condition (HAC) alert **AHA** AHA Coding Clinic **Code first** alert

- I21.3 ST elevation (STEMI) myocardial infarction of unspecified site** 
-  See Official Guidelines "Other Types of Myocardial Infarctions" I.C.9.e.5
- AHA: Q4 2018, Q4 2017**
Acute transmural myocardial infarction of unspecified site
Transmural (Q wave) myocardial infarction NOS
Type 1 ST elevation myocardial infarction of unspecified site
- I21.4 Non-ST elevation (NSTEMI) myocardial infarction** 
-  See Official Guidelines "Other Types of Myocardial Infarctions" I.C.9.e.5
- DEFINITION:** An NSTEMI is a non-ST-elevation myocardial infarction caused by a severe narrowing of a coronary artery. The artery is not 100 percent blocked.
- AHA: Q4 2018, Q1 2017, Q4 2017, Q2 2015**
Acute subendocardial myocardial infarction
Non-Q wave myocardial infarction NOS
Nontransmural myocardial infarction NOS
Type 1 non-ST elevation myocardial infarction
- I21.9 Acute myocardial infarction, unspecified** 
-  See Official Guidelines "Acute myocardial infarction, unspecified" I.C.9.e.2, "Other Types of Myocardial Infarctions" I.C.9.e.5
- AHA: Q4 2018, Q4 2017**
Myocardial infarction (acute) NOS
- I21.A Other type of myocardial infarction**
- I21.A1 Myocardial infarction type 2** 
-  See Official Guidelines "Subsequent acute myocardial infarction" I.C.9.e.4, "Other Types of Myocardial Infarctions" I.C.9.e.5
- DEFINITION:** A Type 2 myocardial infarction is a heart attack secondary to ischemia.
- AHA: Q4 2018, Q4 2017**
Myocardial infarction due to demand ischemia
Myocardial infarction secondary to ischemic imbalance
-  **Code first the underlying cause, such as:**
anemia (D50.0-D64.9)
chronic obstructive pulmonary disease (J44.-)
paroxysmal tachycardia (I47.0-I47.9)
shock (R57.0-R57.9)
- I21.A9 Other myocardial infarction type** 
-  See Official Guidelines "Subsequent acute myocardial infarction" I.C.9.e.4
- DEFINITION:** (1) A Type 3 myocardial infarction is sudden cardiac death. (2) A Type 4a-4c myocardial infarction is one related to percutaneous coronary intervention (PCI). (3) A Type 5 myocardial infarction is related to coronary artery bypass grafting (CABG).
- AHA: Q2 2019, Q4 2018, Q4 2017**
Myocardial infarction associated with revascularization procedure
Myocardial infarction type 3
Myocardial infarction type 4a
Myocardial infarction type 4b
Myocardial infarction type 4c
Myocardial infarction type 5
-  **Code first, if applicable, postprocedural myocardial infarction following cardiac surgery (I97.190), or postprocedural myocardial infarction during cardiac surgery (I97.790)**
- Code also complication, if known and applicable, such as:**
(acute) stent occlusion (T82.897-)
(acute) stent stenosis ▶(T82.855-)◀
(acute) stent thrombosis (T82.867-)
cardiac arrest due to underlying cardiac condition (I46.2)
complication of percutaneous coronary intervention (PCI) (I97.89)
occlusion of coronary artery bypass graft (T82.218-)

- I22 Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction**
-  See Official Guidelines "Subsequent acute myocardial infarction" I.C.9.e.4
- DEFINITION:** A STEMI is an ST-elevation myocardial infarction with 100 percent blockage of a coronary artery. A STEMI is more severe than an NSTEMI.
- TIP:** Use a code from this category when a patient who has suffered a type 1 or unspecified acute myocardial infarction (AMI) has a new AMI within four weeks of the initial AMI.
- INCLUDES** acute myocardial infarction occurring within four weeks (28 days) of a previous acute myocardial infarction, regardless of site
cardiac infarction
coronary (artery) embolism
coronary (artery) occlusion
coronary (artery) rupture
coronary (artery) thrombosis
infarction of heart, myocardium, or ventricle
recurrent myocardial infarction
reinfarction of myocardium
rupture of heart, myocardium, or ventricle
subsequent type 1 myocardial infarction
- Use additional code, if applicable, to identify:**
exposure to environmental tobacco smoke (Z77.22)
history of tobacco dependence (Z87.891)
occupational exposure to environmental tobacco smoke (Z57.31)
status post administration of tPA (rtPA) in a different facility within the last 24 hours prior to admission to current facility (Z92.82)
tobacco dependence (F17.-)
tobacco use (Z72.0)
- EXCLUDES1** subsequent myocardial infarction, type 2 (I21.A1)
subsequent myocardial infarction of other type (type 3)
(type 4) (type 5) (I21.A9)
- I22.0 Subsequent ST elevation (STEMI) myocardial infarction of anterior wall** 
- Subsequent acute transmural myocardial infarction of anterior wall
Subsequent transmural (Q wave) infarction (acute)(of) anterior (wall) NOS
Subsequent anteroapical transmural (Q wave) infarction (acute)
Subsequent anterolateral transmural (Q wave) infarction (acute)
Subsequent anteroseptal transmural (Q wave) infarction (acute)
- I22.1 Subsequent ST elevation (STEMI) myocardial infarction of inferior wall** 
- AHA: Q4 2012**
Subsequent acute transmural myocardial infarction of inferior wall
Subsequent transmural (Q wave) infarction (acute)(of) diaphragmatic wall
Subsequent transmural (Q wave) infarction (acute)(of) inferior (wall) NOS
Subsequent inferolateral transmural (Q wave) infarction (acute)
Subsequent inferoposterior transmural (Q wave) infarction (acute)
- I22.2 Subsequent non-ST elevation (NSTEMI) myocardial infarction** 
- DEFINITION:** An NSTEMI is a non-ST-elevation myocardial infarction caused by a severe narrowing of a coronary artery. The artery is not 100 percent blocked.
- Subsequent acute subendocardial myocardial infarction
Subsequent non-Q wave myocardial infarction NOS
Subsequent nontransmural myocardial infarction NOS
- I22.8 Subsequent ST elevation (STEMI) myocardial infarction of other sites** 
- Subsequent acute transmural myocardial infarction of other sites
Subsequent apical-lateral transmural (Q wave) myocardial infarction (acute)
Subsequent basal-lateral transmural (Q wave) myocardial infarction (acute)
Subsequent high lateral transmural (Q wave) myocardial infarction (acute)

 Unacceptable principal diagnosis symbol per Medicare code edits  Code exempt from diagnosis present on admission requirement
 Questionable admission  Complication or comorbidity  Major complication or comorbidity  CC/MCC exclusion
 HCC diagnosis code  RxHCC diagnosis code **MACRA code** **DEFINITION** Describes condition/terminology
TIP Coding guidance  Official Guideline Reference  Z code as first-listed diagnosis

Appendix A: Z Codes for Long-term Use of Drugs

Drug Name	Code	Code Descriptor
A-G Profen®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Abstral®	Z79.891	Long term (current) use of opiate analgesic
acarbose	Z79.84	Long term (current) use of oral hypoglycemic drugs
acetaminophen	Z79.899	Other long term (current) drug therapy
acetaminophen and hydrocodone	Z79.891	Long term (current) use of opiate analgesic
acetaminophen and oxycodone	Z79.891	Long term (current) use of opiate analgesic
acetaminophen/codine	Z79.891	Long term (current) use of opiate analgesic
acetylsalicylic acid	Z79.82	Long term (current) use of aspirin
Achromycin V®	Z79.2	Long term (current) use of antibiotics
Aclasta®	Z79.83	Long term (current) use of bisphosphonates
Acova®	Z79.02	Long term (current) use of antithrombotics/antiplatelets
Acticlate®	Z79.2	Long term (current) use of antibiotics
Actimmune®	Z79.899	Other long term (current) drug therapy
Actiprofen®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Actiq®	Z79.891	Long term (current) use of opiate analgesic
Activella®	Z79.890	Hormone replacement therapy (postmenopausal)
Actonel®	Z79.83	Long term (current) use of bisphosphonates
Actoplus Met®	Z79.84	Long term (current) use of oral hypoglycemic drugs
Actos®	Z79.84	Long term (current) use of oral hypoglycemic drugs
Addaprin®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Admelog®	Z79.4	Long term (current) use of insulin
Adoxa®	Z79.2	Long term (current) use of antibiotics
Advair HFA®	Z79.51	Long term (current) use of inhaled steroids
Advil Infants Concentrated Drops®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Advil Liqui-Gels®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Advil®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Aerospan HFA®	Z79.51	Long term (current) use of inhaled steroids
Aflaxen®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Afrezza®	Z79.4	Long term (current) use of insulin
Aggrastat®	Z79.02	Long term (current) use of antithrombotics/antiplatelets
Aggrenox®	Z79.02	Long term (current) use of antithrombotics/antiplatelets
Agrylin®	Z79.02	Long term (current) use of antithrombotics/antiplatelets
alendronate	Z79.83	Long term (current) use of bisphosphonates
Aleve®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
All Day Pain Relief®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
All Day Relief®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Alodox®	Z79.2	Long term (current) use of antibiotics
alogliptin and metformin	Z79.84	Long term (current) use of oral hypoglycemic drugs
alogliptin and pioglitazone	Z79.84	Long term (current) use of oral hypoglycemic drugs
Alora®	Z79.890	Hormone replacement therapy (postmenopausal)
Altabax®	Z79.2	Long term (current) use of antibiotics
Altavera®	Z79.3	Long term (current) use of hormonal contraceptives
Alvesco®	Z79.51	Long term (current) use of inhaled steroids
Alyacen 1/35®	Z79.3	Long term (current) use of hormonal contraceptives
Alyacen 1/35®	Z79.890	Hormone replacement therapy (postmenopausal)
Amaryl®	Z79.84	Long term (current) use of oral hypoglycemic drugs
Amethia Lo®	Z79.3	Long term (current) use of hormonal contraceptives
Amethia®	Z79.3	Long term (current) use of hormonal contraceptives
Amethyst®	Z79.3	Long term (current) use of hormonal contraceptives
amoxicillin	Z79.2	Long term (current) use of antibiotics
amoxicillin and clavulanate potassium	Z79.2	Long term (current) use of antibiotics
Amoxil®	Z79.2	Long term (current) use of antibiotics
ampicillin/sulbactam	Z79.2	Long term (current) use of antibiotics
anagrelide	Z79.02	Long term (current) use of antithrombotics/antiplatelets
Anaprox-DS®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)

Anaprox® - Bactroban Nasal®

Appendix A: Z Codes for Long-term Use of Drugs

Drug Name	Code	Code Descriptor
Anaprox®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
anastrozole	Z79.811	Long term (current) use of aromatase inhibitors
Ancef®	Z79.2	Long term (current) use of antibiotics
Angeliq®	Z79.890	Hormone replacement therapy (postmenopausal)
Angiomax®	Z79.02	Long term (current) use of antithrombotics/antiplatelets
Ansaid®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Antibiotic Plus Pain Relief®	Z79.2	Long term (current) use of antibiotics
antineoplastic/chemotherapy	Z79.899	Other long term (current) drug therapy
Apidra SoloStar®	Z79.4	Long term (current) use of insulin
Apidra®	Z79.4	Long term (current) use of insulin
apixaban	Z79.01	Long term (current) use of anticoagulants
Apri®	Z79.3	Long term (current) use of hormonal contraceptives
Aranelle®	Z79.3	Long term (current) use of hormonal contraceptives
Aranelle®	Z79.890	Hormone replacement therapy (postmenopausal)
Aredia®	Z79.83	Long term (current) use of bisphosphonates
argatroban	Z79.02	Long term (current) use of antithrombotics/antiplatelets
Arimidex®	Z79.811	Long term (current) use of aromatase inhibitors
Aristospan®	Z79.52	Long term (current) use of systemic steroids
Arixtra®	Z79.01	Long term (current) use of anticoagulants
ArmonAir RespiClick®	Z79.51	Long term (current) use of inhaled steroids
Arnuit Ellipta®	Z79.51	Long term (current) use of inhaled steroids
Aromasin®	Z79.811	Long term (current) use of aromatase inhibitors
Arthritis Pain Relief®	Z79.82	Long term (current) use of aspirin
Arthrotec®	Z79.1	Long term (current) use of non-steroidal anti-inflammatories (NSAID)
Ascriptin®	Z79.82	Long term (current) use of aspirin
Ashlyna®	Z79.3	Long term (current) use of hormonal contraceptives
Asmanex HFA®	Z79.51	Long term (current) use of inhaled steroids
Asmanex Twisthaler®	Z79.51	Long term (current) use of inhaled steroids
Aspir 81®	Z79.82	Long term (current) use of aspirin
Aspir-Low®	Z79.82	Long term (current) use of aspirin
aspirin	Z79.82	Long term (current) use of aspirin
aspirin and dipyridamole	Z79.02	Long term (current) use of antithrombotics/antiplatelets
Astagraf XL®	Z79.899	Other long term (current) drug therapy
Astramorph PF®	Z79.891	Long term (current) use of opiate analgesic
Atelvia®	Z79.83	Long term (current) use of bisphosphonates
atovaquone	Z79.2	Long term (current) use of antibiotics
Aubra®	Z79.3	Long term (current) use of hormonal contraceptives
Augmentin®	Z79.2	Long term (current) use of antibiotics
Avandia®	Z79.84	Long term (current) use of oral hypoglycemic drugs
Avar Cleanser®	Z79.2	Long term (current) use of antibiotics
Avar-E Green®	Z79.2	Long term (current) use of antibiotics
Avar-E LS®	Z79.2	Long term (current) use of antibiotics
Avar-E®	Z79.2	Long term (current) use of antibiotics
Avar®	Z79.2	Long term (current) use of antibiotics
Avelox®	Z79.2	Long term (current) use of antibiotics
Aviane®	Z79.3	Long term (current) use of hormonal contraceptives
Avidoxy®	Z79.2	Long term (current) use of antibiotics
Avonex®	Z79.899	Other long term (current) drug therapy
Aygestin®	Z79.3	Long term (current) use of hormonal contraceptives
Azactam®	Z79.2	Long term (current) use of antibiotics
azathioprine	Z79.899	Other long term (current) drug therapy
azithromycin	Z79.2	Long term (current) use of antibiotics
aztreonam	Z79.2	Long term (current) use of antibiotics
Azurette®	Z79.3	Long term (current) use of hormonal contraceptives
BACiiM®	Z79.2	Long term (current) use of antibiotics
bacitracin	Z79.2	Long term (current) use of antibiotics
bacitracin/hydrocortisone/neomycin/polymyxin B	Z79.2	Long term (current) use of antibiotics
bacitracin/polymyxin b	Z79.2	Long term (current) use of antibiotics
Bactrim®	Z79.2	Long term (current) use of antibiotics
Bactroban Nasal®	Z79.2	Long term (current) use of antibiotics

Appendix B: Symbols for 7th-Character Codes

Adult - Age range is 18–124 years inclusive (e.g., senile delirium, mature cataract); based on Medicare's Outpatient Code Editor (OCE).

H35.3110	H35.3190	H35.3232	M80.011K	M80.021A	M80.029K	M80.039A	M80.042K	M80.052A	M80.061K	M80.071A	M80.079K	T74.21XA	T76.01XA	T76.61XA
H35.3111	H35.3191	H35.3233	M80.011P	M80.021D	M80.029P	M80.039D	M80.042P	M80.052D	M80.061P	M80.071D	M80.079P	T74.21XD	T76.01XD	T76.61XD
H35.3112	H35.3192	H35.3290	M80.011S	M80.021G	M80.029S	M80.039G	M80.042S	M80.052G	M80.061S	M80.071G	M80.079S	T74.21XS	T76.01XS	T76.61XS
H35.3113	H35.3193	H35.3291	M80.012A	M80.021K	M80.031A	M80.039K	M80.049A	M80.052K	M80.062A	M80.071K	M80.08XA	T74.31XA	T76.11XA	T76.91XA
H35.3114	H35.3194	H35.3292	M80.012D	M80.021P	M80.031D	M80.039P	M80.049D	M80.052P	M80.062D	M80.071P	M80.08XD	T74.31XD	T76.11XD	T76.91XD
H35.3120	H35.3210	H35.3293	M80.012G	M80.021S	M80.031G	M80.039S	M80.049G	M80.052S	M80.062G	M80.071S	M80.08XG	T74.31XS	T76.11XS	T76.91XS
H35.3121	H35.3211	M80.00XA	M80.012K	M80.022A	M80.031K	M80.041A	M80.049K	M80.059A	M80.062K	M80.072A	M80.08XK	T74.51XA	T76.21XA	
H35.3122	H35.3212	M80.00XD	M80.012P	M80.022D	M80.031P	M80.041D	M80.049P	M80.059D	M80.062P	M80.072D	M80.08XP	T74.51XD	T76.21XD	
H35.3123	H35.3213	M80.00XG	M80.012S	M80.022G	M80.031S	M80.041G	M80.049S	M80.059G	M80.062S	M80.072G	M80.08XS	T74.51XS	T76.21XS	
H35.3124	H35.3220	M80.00XK	M80.019A	M80.022K	M80.032A	M80.041K	M80.051A	M80.059K	M80.069A	M80.072K	T74.01XA	T74.61XA	T76.31XA	
H35.3130	H35.3221	M80.00XP	M80.019D	M80.022P	M80.032D	M80.041P	M80.051D	M80.059P	M80.069D	M80.072P	T74.01XD	T74.61XD	T76.31XD	
H35.3131	H35.3222	M80.00XS	M80.019G	M80.022S	M80.032G	M80.041S	M80.051G	M80.059S	M80.069G	M80.072S	T74.01XS	T74.61XS	T76.31XS	
H35.3132	H35.3223	M80.011A	M80.019K	M80.029A	M80.032K	M80.042A	M80.051K	M80.061A	M80.069K	M80.079A	T74.11XA	T74.91XA	T76.51XA	
H35.3133	H35.3230	M80.011D	M80.019P	M80.029D	M80.032P	M80.042D	M80.051P	M80.061D	M80.069P	M80.079D	T74.11XD	T74.91XD	T76.51XD	
H35.3134	H35.3231	M80.011G	M80.019S	M80.029G	M80.032S	M80.042G	M80.051S	M80.061G	M80.069S	M80.079G	T74.11XS	T74.91XS	T76.51XS	

AHA Coding Clinic®

C44.1021	C44.1922	R40.2113	R40.2210	R40.2242	R40.2324	R40.2361	S36.031A	S82.251D	S92.333A	S92.335G	S99.112S	T59.811A	T81.718A	W03.XXXD
C44.1022	C44.1991	R40.2114	R40.2211	R40.2243	R40.2330	R40.2362	S39.012A	S83.232A	S92.333B	S92.335K	T20.25XS	T65.891A	T82.7XXA	W05.0XXA
C44.1091	C44.1992	R40.2120	R40.2212	R40.2244	R40.2331	R40.2363	S42.295A	S83.511D	S92.333D	S92.335P	T20.312S	T71.191A	T82.867A	W17.89XD
C44.1092	H35.3112	R40.2121	R40.2213	R40.2250	R40.2332	R40.2364	S51.001A	S92.331A	S92.333G	S92.335S	T21.31XD	T80.211A	T82.897A	W19.XXXD
C44.1121	H35.3121	R40.2122	R40.2214	R40.2251	R40.2333	S01.02XA	S52.532D	S92.331B	S92.333K	S92.336A	T23.301S	T81.31XA	T83.428A	W34.00XS
C44.1122	H40.1110	R40.2123	R40.2220	R40.2252	R40.2334	S01.02XD	S53.031A	S92.331D	S92.333P	S92.336B	T23.302S	T81.40XA	T84.021A	W50.2XXA
C44.1191	M80.051A	R40.2124	R40.2221	R40.2253	R40.2340	S01.21XA	S53.031D	S92.331G	S92.333S	S92.336D	T24.391A	T81.40XD	T84.50XA	W50.2XXD
C44.1192	M84.454A	R40.2130	R40.2222	R40.2254	R40.2341	S01.21XD	S53.114A	S92.331K	S92.334A	S92.336G	T24.392A	T81.40XS	T84.51XA	X00.0XXD
C44.1221	M97.01XA	R40.2131	R40.2223	R40.2310	R40.2342	S01.411A	S62.002A	S92.331P	S92.334B	S92.336K	T36.8X5A	T81.41XA	T84.52XA	X00.0XXS
C44.1222	O35.3XX0	R40.2132	R40.2224	R40.2311	R40.2343	S01.411D	S62.102D	S92.331S	S92.334D	S92.336P	T39.015A	T81.41XD	T85.628A	X03.0XXS
C44.1291	O36.80X0	R40.2133	R40.2230	R40.2312	R40.2344	S06.1X0A	S72.002D	S92.332A	S92.334G	S92.336S	T40.5X1A	T81.41XS	T88.53XA	X04.XXXA
C44.1292	O60.14X0	R40.2134	R40.2231	R40.2313	R40.2350	S06.340A	S72.002S	S92.332B	S92.334K	S99.112A	T43.592A	T81.42XA	V00.321A	X08.01XS
C44.1321	O60.14X1	R40.2140	R40.2232	R40.2314	R40.2351	S06.5X0A	S72.141D	S92.332D	S92.334P	S99.112B	T45.1X5A	T81.42XD	V43.61XA	X50.0XXA
C44.1322	O60.14X2	R40.2141	R40.2233	R40.2320	R40.2352	S06.5X0S	S72.401A	S92.332G	S92.334S	S99.112D	T45.525A	T81.42XS	V43.61XD	X95.9XXA
C44.1391	R40.2110	R40.2142	R40.2234	R40.2321	R40.2353	S06.6X0A	S81.841A	S92.332K	S92.335A	S99.112G	T45.615A	T81.43XA	V49.9XXA	Y35.893A
C44.1392	R40.2111	R40.2143	R40.2240	R40.2322	R40.2354	S31.613A	S82.234A	S92.332P	S92.335B	S99.112K	T45.8X5A	T81.43XD	W00.0XXD	
C44.1921	R40.2112	R40.2144	R40.2241	R40.2323	R40.2360	S36.029A	S82.234D	S92.332S	S92.335D	S99.112P	T50.901S	T81.43XS	W03.XXXA	

Complication or Comorbidity (CC) - Based on CMS data

H34.8110	M80.021A	M80.059A	M80.819A	M80.852A	M84.319K	M84.351P	M84.379K	M84.433P	M84.453P	M84.474P	M84.521P	M84.550P	M84.572P	M84.622P
H34.8111	M80.021K	M80.059K	M80.819K	M80.852K	M84.319P	M84.352K	M84.379P	M84.434A	M84.454A	M84.475A	M84.522A	M84.551A	M84.573A	M84.629A
H34.8112	M80.021P	M80.059P	M80.819P	M80.852P	M84.321K	M84.352P	M84.38XK	M84.434K	M84.454K	M84.475K	M84.522K	M84.551K	M84.573K	M84.629K
H34.8120	M80.022A	M80.061A	M80.821A	M80.859A	M84.321P	M84.353K	M84.38XP	M84.434P	M84.454P	M84.475P	M84.522P	M84.551P	M84.573P	M84.629P
H34.8121	M80.022K	M80.061K	M80.821K	M80.859K	M84.322K	M84.353P	M84.40XA	M84.439A	M84.459A	M84.476A	M84.529A	M84.552A	M84.574A	M84.631A
H34.8122	M80.022P	M80.061P	M80.821P	M80.859P	M84.322P	M84.359K	M84.40XK	M84.439K	M84.459K	M84.476K	M84.529K	M84.552K	M84.574K	M84.631K
H34.8130	M80.029A	M80.062A	M80.822A	M80.861A	M84.329K	M84.359P	M84.40XP	M84.439P	M84.459P	M84.476P	M84.529P	M84.552P	M84.574P	M84.631P
H34.8131	M80.029K	M80.062K	M80.822K	M80.861K	M84.329P	M84.361K	M84.411A	M84.441A	M84.461A	M84.477A	M84.531A	M84.553A	M84.575A	M84.632A
H34.8132	M80.029P	M80.062P	M80.822P	M80.861P	M84.331K	M84.361P	M84.411K	M84.441K	M84.461K	M84.477K	M84.531K	M84.553K	M84.575K	M84.632K
H34.8190	M80.031A	M80.069A	M80.829A	M80.862A	M84.331P	M84.362K	M84.411P	M84.441P	M84.461P	M84.477P	M84.531P	M84.553P	M84.575P	M84.632P
H34.8191	M80.031K	M80.069K	M80.829K	M80.862K	M84.332K	M84.362P	M84.412A	M84.442A	M84.462A	M84.478A	M84.532A	M84.559A	M84.576A	M84.633A
H34.8192	M80.031P	M80.069P	M80.829P	M80.862P	M84.332P	M84.363K	M84.412K	M84.442K	M84.462K	M84.478K	M84.532K	M84.559K	M84.576K	M84.633K
M48.50XA	M80.032A	M80.071A	M80.831A	M80.869A	M84.333K	M84.363P	M84.412P	M84.442P	M84.462P	M84.478P	M84.532P	M84.559P	M84.576P	M84.633P
M48.51XA	M80.032K	M80.071K	M80.831K	M80.869K	M84.333P	M84.364K	M84.419A	M84.443A	M84.463A	M84.479A	M84.533A	M84.561A	M84.58XA	M84.634A
M48.52XA	M80.032P	M80.071P	M80.831P	M80.869P	M84.334K	M84.364P	M84.419K	M84.443K	M84.463K	M84.479K	M84.533K	M84.561K	M84.58XK	M84.634K
M48.53XA	M80.039A	M80.072A	M80.832A	M80.871A	M84.334P	M84.369K	M84.419P	M84.443P	M84.463P	M84.479P	M84.533P	M84.561P	M84.58XP	M84.634P
M48.54XA	M80.039K	M80.072K	M80.832K	M80.871K	M84.339K	M84.369P	M84.421A	M84.444A	M84.464A	M84.48XA	M84.534A	M84.562A	M84.60XA	M84.639A
M48.55XA	M80.039P	M80.072P	M80.832P	M80.871P	M84.339P	M84.371K	M84.421K	M84.444K	M84.464K	M84.48XK	M84.534K	M84.562K	M84.60XK	M84.639K
M48.56XA	M80.041A	M80.079A	M80.839A	M80.872A	M84.341K	M84.371P	M84.421P	M84.444P	M84.464P	M84.48XP	M84.534P	M84.562P	M84.60XP	M84.639P
M48.57XA	M80.041K	M80.079K	M80.839K	M80.872K	M84.341P	M84.372K	M84.422A	M84.445A	M84.469A	M84.50XA	M84.539A	M84.563A	M84.611A	M84.641A
M48.58XA	M80.041P	M80.079P	M80.839P	M80.872P	M84.342K	M84.372P	M84.422K	M84.445K	M84.469K	M84.50XK	M84.539K	M84.563K	M84.611K	M84.641K
M80.00XA	M80.042A	M80.08XA	M80.841A	M80.879A	M84.342P	M84.373K	M84.422P	M84.445P	M84.469P	M84.50XP	M84.539P	M84.563P	M84.611P	M84.641P
M80.00XK	M80.042K	M80.08XK	M80.841K	M80.879K	M84.343K	M84.373P	M84.429A	M84.446A	M84.471A	M84.511A	M84.541A	M84.564A	M84.612A	M84.642A
M80.00XP	M80.042P	M80.08XP	M80.841P	M80.879P	M84.343P	M84.374K	M84.429K	M84.446K	M84.471K	M84.511K	M84.541K	M84.564K	M84.612K	M84.642K
M80.011A	M80.049A	M80.80XA	M80.842A	M80.88XA	M84.344K	M84.374P	M84.429P	M84.446P	M84.471P	M84.511P	M84.541P	M84.564P	M84.612P	M84.642P
M80.011K	M80.049K	M80.80XK	M80.842K	M80.88XK	M84.344P	M84.375K	M84.431A	M84.451A	M84.472A	M84.512A	M84.542A	M84.569A	M84.619A	M84.649A
M80.011P	M80.049P	M80.80XP	M80.842P	M80.88XP	M84.345K	M84.375P	M84.431K	M84.451K	M84.472K	M84.512K	M84.542K	M84.569K	M84.619K	M84.649K
M80.012A	M80.051A	M80.811A	M80.849A	M80.830K	M84.345P	M84.376K	M84.431P	M84.451P	M84.472P	M84.512P	M84.542P	M84.569P	M84.619P	M84.649P
M80.012K	M80.051K	M80.811K	M80.849K	M84.30XP	M84.346K	M84.376P	M84.432A	M84.452A	M84.473A	M84.519A	M84.549A	M84.571A	M84.621A	M84.650A
M80.012P	M80.051P	M80.811P	M80.849P	M84.311K	M84.346P	M84.377K	M84.432K	M84.452K	M84.473K	M84.519K	M84.549K	M84.571K	M84.621K	M84.650K
M80.019A	M80.052A	M80.812A	M80.851A	M84.311P	M84.350K	M84.377P	M84.432P	M84.452P	M84.473P	M84.519P	M84.549P	M84.571P	M84.621P	M84.650P
M80.019K	M80.052K	M80.812K	M80.851K	M84.312K	M84.350P	M84.378K	M84.433A	M84.453A	M84.474A	M84.521A	M84.550A	M84.572A	M84.622A	M84.651A
M80.019P	M80.052P	M80.812P	M80.851P	M84.312P	M84.351K	M84.378P	M84.433K	M84.453K	M84.474K	M84.521K	M84.550K	M84.572K	M84.622K	M84.651K



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