



2023 coding  
guidelines  
included

Expert

# ICD-10-CM Expert for Physicians

The complete official code set

Codes valid from October 1, 2022  
through September 30, 2023

2023

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## Code Also

A “code also” note alerts the coder that more than one code may be required to fully describe the condition. The sequencing depends on the circumstances of the encounter. Factors that may determine sequencing include severity and reason for the encounter.

## Revised Text

The revised text ►◄ “bow ties” alert the user to changes in official notations for the current year. Revised text may include the following:

- A change in a current parenthetical description
- A change in the code(s) associated with a current parenthetical note
- A change in how a current parenthetical note is classified (e.g., an Excludes 1 note that changed to an Excludes 2 note)
- Addition of a new parenthetical note(s) to a code

## Deleted Text

Strikethrough on official notations indicate a deletion from the classification for the current year.

## Optum360 Notations

### AHA Coding Clinic Citations

*Coding Clinics* are official American Hospital Association (AHA) publications that provide coding advice specific to ICD-10-CM and ICD-10-PCS.

*Coding Clinic* citations included in this manual are current up to the second quarter of 2021.

These citations identify the year, quarter, and page number of one or more *Coding Clinic* publications that may have coding advice relevant to a particular code or group of codes. With the most current citation listed first, these notations are preceded by the symbol **AHA:** and appear in purple type.

**I15.1 Hypertension secondary to other renal disorders**  
AHA: 2016, 3Q, 22

## Definitions

Definitions explain a specific term, condition, or disease process in layman’s terms. These notations are preceded by the symbol **DEF:** and appear in purple type.

**M51.4 Schmorl’s nodes**  
DEF: Irregular bone defect in the margin of the vertebral body that causes herniation into the end plate of the vertebral body.

## Coding Tips

The tips in the tabular list offer coding advice that is not readily available within the ICD-10-CM classification. It may relate official coding guidelines, indexing nuances, or advice from *AHA’s Coding Clinic for ICD-10-CM/PCS*. These notations are preceded by the symbol **TIP:** and appear in brown type.

**B97.2 Coronavirus as the cause of diseases classified elsewhere**  
TIP: Do not report a code from this subcategory for COVID-19, refer to U07.1.

## Icons

**Note:** The following icons are placed to the left of the code.

### ● New Code

Codes that have been added to the classification effective October 1, 2022.

### ● New Code – Mid-year

Codes that have been added to the classification effective April 1, 2022.

### ▲ Revised Code

Codes that have had a change to their description or validity effective October 1, 2022. For additional information on codes with validity changes, see the “What’s New” section.

### ▲ Revised Code – Mid-year

Codes that have had a change to their description or validity effective April 1, 2022.

### ✓ Additional Characters Required

✓4<sup>th</sup> This symbol indicates that the code requires a 4th character.

✓5<sup>th</sup> This symbol indicates that the code requires a 5th character.

✓6<sup>th</sup> This symbol indicates that the code requires a 6th character.

✓7<sup>th</sup> This symbol indicates that the code requires a 7th character.

✓5 <sup>th</sup>	<b>H60.3 Other infective otitis externa</b>	
✓6 <sup>th</sup>	<b>H60.31 Diffuse otitis externa</b>	
	<b>H60.311 Diffuse otitis externa, right ear</b>	Q
	<b>H60.312 Diffuse otitis externa, left ear</b>	Q
	<b>H60.313 Diffuse otitis externa, bilateral</b>	Q
	<b>H60.319 Diffuse otitis externa, unspecified ear</b>	Q

### ✓7<sup>th</sup> Placeholder Alert

This symbol indicates that the code requires a 7th character following the placeholder “X”. Codes with fewer than six characters that require a 7th character must contain placeholder “X” to fill in the empty character(s).

✓7<sup>th</sup> **T16.1 Foreign body in right ear**

This manual provides the most current information that was available at the time of publication. Except where otherwise noted, the icons and/or color bars reflect edits provided in the Integrated Outpatient Code Editor (IOCE) quarterly files utilized under the outpatient prospective payment system (OPPS). Because the October 2021 quarterly files were not available at the time this book was printed, the edits in this manual are based on the July 2021 quarterly files.

The following is a list of IOCE edits specifically identified in this manual:

- Age
- Sex
- Manifestation
- Unacceptable principal diagnosis

**Note:** The following icons are placed at the end of the code description.

**Age Edits**

**N Newborn Age: 0**

These diagnoses are intended for newborns and neonates and the patient's age must be 0 years.

**N47.0 Adherent prepuce, newborn** N♂

**P Pediatric Age: 0-17**

These diagnoses are intended for children and the patient's age must be between 0 and 17 years.

**L21.1 Seborrheic infantile dermatitis** P

**M Maternity Age: 9-64**

These diagnoses are intended for childbearing patients between the age of 9 and 64 years.

**O02.9 Abnormal product of conception, unspecified** M♀

**A Adult Age: 15-124**

These diagnoses are intended for patients between the age of 15 and 124 years.

**R54 Age-related physical debility** QA  
 Frailty  
 Old age  
 Senescence  
 Senile asthenia  
 Senile debility  
**EXCLUDES1** *age-related cognitive decline (R41.81)*  
*sarcopenia (M62.84)*  
*senile psychosis (F03)*  
*senility NOS (R41.81)*

**Sex Edits**

**♂ Male diagnosis only**

**Q98.0 Klinefelter syndrome karyotype 47, XXY** ♂

**♀ Female diagnosis only**

**N35.12 Postinfective urethral stricture, not elsewhere classified, female** ♀

**UPD Unacceptable Principal Diagnosis**

This symbol identifies codes that should not be assigned as the first-listed code for *outpatient* admissions. Codes with an unacceptable principal diagnosis edit are considered supplementary (describing circumstances that influence an individual's health status or an additional code), identifying conditions that are not specific manifestations but may be due to an underlying cause.

**7<sup>th</sup> T48.5X5 Adverse effect of other anti-common-cold drugs** UPD

**HCC CMS-HCC Condition**

This icon identifies conditions that are considered a CMS-HCC (hierarchical condition category) diagnosis.

The HCC codes represented in this manual have been updated to reflect the 2022 Initial ICD-10-CM Mappings for CMS-HCC Model v24. Midyear final mappings were not available at the time this publication went to print; refer to the following CMS website for final mappings: <https://www.cms.gov/Medicare/Health-Plans/MedicareAdvtgSpecRateStats/Risk-Adjustors.html>.

**Y62.2 Failure of sterile precautions during kidney dialysis and other perfusion** HCC

**Rx Rx-HCC Condition**

This icon identifies conditions that are included in the Rx-HCC risk adjustment model, which covers the Part D (prescription drug) benefit.

**ESR ESRD HCC Condition**

This icon identifies conditions that are included in the End Stage Renal Disease (ESRD) HCC risk adjustment model.

**COM Commercial HCC Condition**

This icon identifies conditions that are included in the commercial HHS-HCC risk adjustment model.

**Q QPP Condition**

This icon identifies conditions recognized as a quality measure for claims-based reporting under CMS's Merit-based Incentive Payment System (MIPS) Claims Single Source v5.0.

**G44.52 New daily persistent headache (NDPH)** Q

**PDx Z-code as First-Listed Diagnosis**

Identify Z codes that generally are for use as a first-listed diagnosis only but may be used as an additional diagnosis if the patient has more than one encounter on the same day or there is more than one reason for the encounter.

The instructions for Z code use contained in the ICD-10-CM official coding guidelines identify those Z codes that can be used only as PDx. All other Z codes may either be SDx or PDx, depending upon circumstances of the encounter, by meeting the definition of first-listed or principal diagnosis, and by following any specific Z code guidelines in section I.C.21 a-c. The responsibility of those assigning the Z codes as PDx is to make sure the circumstances of the encounter meet the definition of first-listed or principal diagnosis, follow all coding instructions, and follow the Z code specific guidelines. Optum360 does not include any SDx edit since there is no official source for it and the Z code use is determined by circumstances of the encounter.

**Note:** Please note that the symbols indicating the Z code "principal or first-listed only" designation and the Z codes that may be principal or first-listed diagnoses included in the official coding guidelines [section I.C.21.c.16] are consistent with reporting guidelines for health care encounters *excluding acute care inpatient admissions*. These Z code edits are often in conflict with the inpatient prospective payment system (IPPS) edits. For example, code Z34.90 Encounter for supervision of normal pregnancy, unspecified, unspecified trimester, may be an appropriate primary reason for an outpatient encounter. However, supervision for a normal pregnancy is not an acceptable principal diagnosis or reason for an inpatient admission and will have an unacceptable principal diagnosis edit under the inpatient prospective payment system (IPPS).

**Z51.12 Encounter for antineoplastic immunotherapy** PDx

**Color Bars**

**Manifestation Code**

Codes defined as manifestation codes appear in italic type, with a blue color bar over the code description. A manifestation cannot be reported as a first-listed code; it is sequenced as a secondary diagnosis with the underlying disease code listed first.

**G32.89 Other specified degenerative disorders of nervous system in diseases classified elsewhere**  
*Degenerative encephalopathy in diseases classified elsewhere*

New for 2023

New for 2023

New for 2023

# 10 Steps to Correct Coding

Follow the 10 steps below to correctly code encounters for health care services.

## Step 1: Identify the reason for the visit or encounter (i.e., a sign, symptom, diagnosis and/or condition).

The medical record documentation should accurately reflect the patient's condition, using terminology that includes specific diagnoses and symptoms or clearly states the reasons for the encounter.

Choosing the main term that best describes the reason chiefly responsible for the service provided is the most important step in coding. If symptoms are present and documented but a definitive diagnosis has not yet been determined, code the symptoms. *For outpatient cases, do not code conditions that are referred to as "rule out," "suspected," "probable," or "questionable."* Diagnoses often are not established at the time of the initial encounter/visit and may require two or more visits to be established. Code only what is documented in the available outpatient records and only to the highest degree of certainty known at the time of the patient's visit. For inpatient medical records, uncertain diagnoses may be reported if documented at the time of discharge.

## Step 2: After selecting the reason for the encounter, consult the alphabetic index.

The most critical rule is to begin code selection in the alphabetic index. Never turn first to the tabular list. The index provides cross-references, essential and nonessential modifiers, and other instructional notations that may not be found in the tabular list.

## Step 3: Locate the main term entry.

The alphabetic index lists conditions, which may be expressed as nouns or eponyms, with critical use of adjectives. Some conditions known by several names have multiple main entries. Reasons for encounters may be located under general terms such as admission, encounter, and examination. Other general terms such as history, status (post), or presence (of) can be used to locate other factors influencing health.

## Step 4: Scan subterm entries.

Scan the subterm entries, as appropriate, being sure to review continued lines and additional subterms that may appear in the next column or on the next page. Shaded vertical guidelines in the index indicate the indentation level for each subterm in relation to the main terms.

## Step 5: Pay close attention to index instructions.

- Parentheses ( ) enclose nonessential modifiers, terms that are supplementary words or explanatory information that may or may not appear in the diagnostic statement and do not affect code selection.
- Brackets [ ] enclose manifestation codes that can be used only as secondary codes to the underlying condition code immediately preceding it. If used, manifestation codes must be reported with the appropriate etiology codes.
- Default codes are listed next to the main term and represent the condition most commonly associated with the main term or the unspecified code for the main term.
- "See" cross-references, identified by italicized type and "code by" cross-references indicate that another term *must be referenced* to locate the correct code.
- "See also" cross-references, identified by italicized type, provide alternative terms that may be useful to look up but *are not mandatory*.
- "Omit code" cross-references identify instances when a code is not applicable depending on the condition being coded.
- "With" subterms are listed out of alphabetic order and identify a presumed causal relationship between the two conditions they link.
- "Due to" subterms identify a relationship between the two conditions they link.

- "NEC," abbreviation for "not elsewhere classified," follows some main terms or subterms and indicates that there is no specific code for the condition even though the medical documentation may be very specific.
- "NOS," abbreviation for "not otherwise specified," follows some main terms or subterms and is the equivalent of unspecified; NOS signifies that the information in the medical record is insufficient for assigning a more specific code.
- *Following* references help coders locate alphanumeric codes that are out of sequence in the tabular section.
- Check additional-character symbols flag codes that require additional characters to make the code valid; the characters available to complete the code should be verified in the tabular section.

## Step 6: Choose a potential code and locate it in the tabular list.

To prevent coding errors, always use both the alphabetic index (to identify a code) and the tabular list (to verify a code), as the index does not include the important instructional notes found in the tabular list. An added benefit of using the tabular list, which groups like things together, is that while looking at one code in the list, a coder might see a more specific one that would have been missed had the coder relied solely on the alphabetic index. Additionally, many of the codes require a fourth, fifth, sixth, or seventh character to be valid, and many of these characters can be found only in the tabular list.

## Step 7: Read all instructional material in the tabular section.

The coder must follow any Includes, Excludes 1 and Excludes 2 notes, and other instructional notes, such as "Code first" and "Use additional code," listed in the tabular list for the chapter, category, subcategory, and subclassification levels of code selection that direct the coder to use a different or additional code. Any codes in the tabular range A00.0 through T88.9- may be used to identify the diagnostic reason for the encounter. The tabular list encompasses many codes describing disease and injury classifications (e.g., infectious and parasitic diseases, neoplasms, symptoms, nervous and circulatory system etc.).

Codes that describe symptoms and signs, as opposed to definitive diagnoses, should be reported when an established diagnosis has not been made (confirmed) by the physician. Chapter 18 of the ICD-10-CM code book, "Symptoms, Signs, and Abnormal Clinical and Laboratory Findings, Not Elsewhere Classified" (codes R00.-R99), contains many, but not all, codes for symptoms.

ICD-10-CM classifies encounters with health care providers for circumstances other than a disease or injury in chapter 21, "Factors Influencing Health Status and Contact with Health Services" (codes Z00-Z99). Circumstances other than a disease or injury often are recorded as chiefly responsible for the encounter.

A code is invalid if it does not include the full number of characters (greatest level of specificity) required. Codes in ICD-10-CM can contain from three to seven alphanumeric characters. A three-character code is to be used only if the category is not further subdivided into four-, five-, six-, or seven-character codes. Placeholder character X is used as part of an alphanumeric code to allow for future expansion and as a placeholder for empty characters in a code that requires a seventh character but has no fourth, fifth, or sixth character. Note that certain categories require seventh characters that apply to all codes in that category. Always check the category level for applicable seventh characters for that category.

## Step 8: Consult the official ICD-10-CM conventions and guidelines.

The *ICD-10-CM Official Guidelines for Coding and Reporting* govern the use of certain codes. These guidelines provide both general and chapter-specific coding guidance.

**Adhesions, adhesive** — *continued*  
 mesenteric — *see* Adhesions, peritoneum  
 nasal (septum) (to turbinates) J34.89  
 ocular muscle — *see* Strabismus, mechanical  
 omentum — *see* Adhesions, peritoneum  
 ovary N73.6  
   congenital (to cecum, kidney or omentum) Q50.39  
   paraovarian N73.6  
   pelvic (peritoneal)  
     female N73.6  
     postprocedural N99.4  
   male — *see* Adhesions, peritoneum  
   postpartal (old) N73.6  
   tuberculous A18.17  
 penis to scrotum (congenital) Q55.8  
 periappendiceal — *see also* Adhesions, peritoneum  
 pericardium (nonrheumatic) I31.0  
   focal I31.8  
   rheumatic I09.2  
   tuberculous A18.84  
 pericholecystic K82.8  
 perigastric — *see* Adhesions, peritoneum  
 periovarian N73.6  
 periprosthetic N42.89  
 perirectal — *see* Adhesions, peritoneum  
 perirenal N28.89  
 peritoneum, peritoneal (postinfective) K66.0  
   with obstruction (intestinal) K56.50  
     complete K56.52  
     incomplete K56.51  
     partial K56.51  
   congenital Q43.3  
   pelvic, female N73.6  
     postprocedural N99.4  
   postpartal, pelvic N73.6  
   postprocedural K66.0  
   to uterus N73.6  
 peritubal N73.6  
 periureteral N28.89  
 periuterine N73.6  
 perivesical N32.89  
 perivesicular (seminal vesicle) N50.89  
 pleura, pleuritic J94.8  
   tuberculous NEC A15.6  
 pleuropericardial J94.8  
 postoperative (gastrointestinal tract) K66.0  
   with obstruction — *see also* Obstruction, intestine,  
   postoperative K91.30  
   due to foreign body accidentally left in wound —  
   *see* Foreign body, accidentally left during a  
   procedure  
   pelvic peritoneal N99.4  
   urethra — *see* Stricture, urethra, postprocedural  
   vagina N99.2  
 postpartal, old (vulva or perineum) N90.89  
 preputial, prepuce N47.5  
 pulmonary J98.4  
 pylorus — *see* Adhesions, peritoneum  
 sciatic nerve — *see* Lesion, nerve, sciatic  
 seminal vesicle N50.89  
 shoulder (joint) — *see* Capsulitis, adhesive  
 sigmoid flexure — *see* Adhesions, peritoneum  
 spermatic cord (acquired) N50.89  
   congenital Q55.4  
 spinal canal G96.12  
 stomach — *see* Adhesions, peritoneum  
 subscapular — *see* Capsulitis, adhesive  
 temporomandibular M26.61-   
 tendinitis (*see also* Tenosynovitis, specified type NEC)  
 shoulder — *see* Capsulitis, adhesive  
 testis N44.8  
 tongue, congenital (to gum or roof of mouth) Q38.3  
   acquired K14.8  
 trachea J39.8  
 tubo-ovarian N73.6  
 tunica vaginalis N44.8  
 uterus N73.6  
   internal N85.6  
   to abdominal wall N73.6  
 vagina (chronic) N89.5  
   postoperative N99.2  
 vitreomacular H43.82-   
 vitreous H43.89  
 vulva N90.89

**Adiaspiromycosis** B48.8

**Adie (-Holmes) pupil or syndrome** — *see* Anomaly,  
 pupil, function, tonic pupil

**Adiponecrosis neonatorum** P83.88

**Adiposis** — *see also* Obesity  
 cerebri E23.6  
 dolorosa E88.2

**Adiposity** — *see also* Obesity  
 heart — *see* Degeneration, myocardial  
 localized E65

**Adiposogenital dystrophy** E23.6

**Adjustment**

disorder — *see* Disorder, adjustment  
 implanted device — *see* Encounter (for), adjustment  
 (of)  
 prosthesis, external — *see* Fitting  
 reaction — *see* Disorder, adjustment

**Administration of tPA** (rtPA) in a different facility within  
 the last 24 hours prior to admission to current facil-  
 ity Z92.82

**Admission (for)** — *see also* Encounter (for)

adjustment (of)  
 artificial  
   arm Z44.00-   
     complete Z44.01-   
     partial Z44.02-   
   eye Z44.2   
   leg Z44.10-   
     complete Z44.11-   
     partial Z44.12-   
 brain neuropacemaker Z46.2  
 implanted Z45.42  
 breast  
   implant Z45.81   
   prosthesis (external) Z44.3   
 colostomy belt Z46.89  
 contact lenses Z46.0  
 cystostomy device Z46.6  
 dental prosthesis Z46.3  
 device NEC  
   abdominal Z46.89  
   implanted Z45.89  
     cardiac Z45.09  
     defibrillator (with synchronous cardiac  
     pacemaker) Z45.02  
     pacemaker (cardiac resynchronization  
     therapy (CRT-P)) Z45.018  
     pulse generator Z45.010  
     resynchronization therapy defibrillator  
     (CRT-D) Z45.02  
   hearing device Z45.328  
     bone conduction Z45.320  
     cochlear Z45.321  
   infusion pump Z45.1  
   nervous system Z45.49  
   CSF drainage Z45.41  
   hearing device — *see* Admission, adjust-  
   ment, device, implanted, hearing  
   device  
   neuropacemaker Z45.42  
   visual substitution Z45.31  
   specified NEC Z45.89  
   vascular access Z45.2  
   visual substitution Z45.31  
 nervous system Z46.2  
   implanted — *see* Admission, adjustment,  
   device, implanted, nervous system  
 orthodontic Z46.4  
 prosthetic Z44.9  
   arm — *see* Admission, adjustment, artificial,  
   arm  
   breast Z44.3   
   dental Z46.3  
   eye Z44.2   
   leg — *see* Admission, adjustment, artificial,  
   leg  
   specified type NEC Z44.8  
 substitution  
   auditory Z46.2  
     implanted — *see* Admission, adjustment,  
     device, implanted, hearing device  
   nervous system Z46.2  
     implanted — *see* Admission, adjustment,  
     device, implanted, nervous system  
   visual Z46.2  
     implanted Z45.31  
 urinary Z46.6  
 hearing aid Z46.1  
   implanted — *see* Admission, adjustment, device,  
   implanted, hearing device  
 ileostomy device Z46.89  
 intestinal appliance or device NEC Z46.89

**Admission** — *continued*

adjustment — *continued*  
 neuropacemaker (brain) (peripheral nerve) (spinal  
 cord) Z46.2  
   implanted Z45.42  
 orthodontic device Z46.4  
 orthopedic (brace) (cast) (device) (shoes) Z46.89  
 pacemaker (cardiac resynchronization therapy (CRT-  
 P))  
   cardiac Z45.018  
   pulse generator Z45.010  
   nervous system Z46.2  
   implanted Z45.42  
 portacath (port-a-cath) Z45.2  
 prosthesis Z44.9  
 arm — *see* Admission, adjustment, artificial, arm  
 breast Z44.3   
 dental Z46.3  
 eye Z44.2   
 leg — *see* Admission, adjustment, artificial, leg  
 specified NEC Z44.8  
 spectacles Z46.0  
 aftercare — *see also* Aftercare Z51.89  
 postpartum  
   immediately after delivery Z39.0  
   routine follow-up Z39.2  
 radiation therapy (antineoplastic) Z51.0  
 attention to artificial opening (of) Z43.9  
 artificial vagina Z43.7  
 colostomy Z43.3  
 cystostomy Z43.5  
 enterostomy Z43.4  
 gastrostomy Z43.1  
 ileostomy Z43.2  
 jejunostomy Z43.4  
 nephrostomy Z43.6  
   specified site NEC Z43.8  
   intestinal tract Z43.4  
   urinary tract Z43.6  
 tracheostomy Z43.0  
 ureterostomy Z43.6  
 urethroostomy Z43.6  
 breast augmentation or reduction Z41.1  
 breast reconstruction following mastectomy Z42.1  
 change of  
   dressing (nonsurgical) Z48.00  
   neuropacemaker device (brain) (peripheral nerve)  
   (spinal cord) Z46.2  
   implanted Z45.42  
   surgical dressing Z48.01  
 circumcision, ritual or routine (in absence of diagnosis)  
 Z41.2  
 clinical research investigation (control) (normal com-  
 parison) (participant) Z00.6  
 contraceptive management Z30.9  
 cosmetic surgery NEC Z41.1  
 counseling — *see also* Counseling  
   dietary Z71.3  
   gestational carrier Z31.7  
   HIV Z71.7  
   human immunodeficiency virus Z71.7  
   nonattending third party Z71.0  
   procreative management NEC Z31.69  
 delivery, full-term, uncomplicated O80  
   cesarean, without indication O82  
 desensitization to allergens Z51.6  
 dietary surveillance and counseling Z71.3  
 ear piercing Z41.3  
 examination at health care facility (adult) — *see also*  
   Examination Z00.00  
   with abnormal findings Z00.01  
   clinical research investigation (control) (normal  
   comparison) (participant) Z00.6  
   dental Z01.20  
     with abnormal findings Z01.21  
   donor (potential) Z00.5  
   ear Z01.10  
     with abnormal findings NEC Z01.118  
   eye Z01.00  
     with abnormal findings Z01.01  
     following failed vision screening Z01.020  
     with abnormal findings Z01.021  
   general, specified reason NEC Z00.8  
   hearing Z01.10  
     with abnormal findings NEC Z01.118  
     infant or child (over 28 days old) Z00.129  
     with abnormal findings Z00.121  
   postpartum checkup Z39.2

- C11.2 Malignant neoplasm of lateral wall of nasopharynx** HCC  
Malignant neoplasm of fossa of Rosenmüller  
Malignant neoplasm of opening of auditory tube  
Malignant neoplasm of pharyngeal recess
- C11.3 Malignant neoplasm of anterior wall of nasopharynx** HCC  
Malignant neoplasm of floor of nasopharynx  
Malignant neoplasm of nasopharyngeal (anterior) (posterior) surface of soft palate  
Malignant neoplasm of posterior margin of nasal choana  
Malignant neoplasm of posterior margin of nasal septum
- C11.8 Malignant neoplasm of overlapping sites of nasopharynx** HCC
- C11.9 Malignant neoplasm of nasopharynx, unspecified** HCC  
Malignant neoplasm of nasopharyngeal wall NOS
- C12 Malignant neoplasm of pyriform sinus** HCC  
Malignant neoplasm of pyriform fossa  
Use additional code to identify:  
exposure to environmental tobacco smoke (Z77.22)  
exposure to tobacco smoke in the perinatal period (P96.81)  
history of tobacco dependence (Z87.891)  
occupational exposure to environmental tobacco smoke (Z57.31)  
tobacco dependence (F17.-)  
tobacco use (Z72.0)
- C13 Malignant neoplasm of hypopharynx** HCC  
Use additional code to identify:  
exposure to environmental tobacco smoke (Z77.22)  
exposure to tobacco smoke in the perinatal period (P96.81)  
history of tobacco dependence (Z87.891)  
occupational exposure to environmental tobacco smoke (Z57.31)  
tobacco dependence (F17.-)  
tobacco use (Z72.0)  
**EXCLUDES 2** malignant neoplasm of pyriform sinus (C12)  
**DEF:** Hypopharynx: Lower portion of pharynx (throat); communicates with the oropharynx and the esophagus. **Synonym(s):** laryngopharynx.
- C13.0 Malignant neoplasm of postcricoid region** HCC
- C13.1 Malignant neoplasm of aryepiglottic fold, hypopharyngeal aspect** HCC  
Malignant neoplasm of aryepiglottic fold, marginal zone  
Malignant neoplasm of aryepiglottic fold NOS  
Malignant neoplasm of interarytenoid fold, marginal zone  
Malignant neoplasm of interarytenoid fold NOS  
**EXCLUDES 2** malignant neoplasm of aryepiglottic fold or interarytenoid fold, laryngeal aspect (C32.1)
- C13.2 Malignant neoplasm of posterior wall of hypopharynx** HCC
- C13.8 Malignant neoplasm of overlapping sites of hypopharynx** HCC
- C13.9 Malignant neoplasm of hypopharynx, unspecified** HCC  
Malignant neoplasm of hypopharyngeal wall NOS
- C14 Malignant neoplasm of other and ill-defined sites in the lip, oral cavity and pharynx** HCC  
Use additional code to identify:  
alcohol abuse and dependence (F10.-)  
exposure to environmental tobacco smoke (Z77.22)  
exposure to tobacco smoke in the perinatal period (P96.81)  
history of tobacco dependence (Z87.891)  
occupational exposure to environmental tobacco smoke (Z57.31)  
tobacco dependence (F17.-)  
tobacco use (Z72.0)  
**EXCLUDES 1** malignant neoplasm of oral cavity NOS (C06.9)
- C14.0 Malignant neoplasm of pharynx, unspecified** HCC
- C14.2 Malignant neoplasm of Waldeyer's ring** HCC  
**DEF:** Waldeyer's ring: Ring of lymphoid tissue that is made up of the two palatine tonsils, the pharyngeal tonsil (adenoid), and the lingual tonsil. It functions as the defense against infection and assists with the development of the immune system.
- C14.8 Malignant neoplasm of overlapping sites of lip, oral cavity and pharynx** HCC  
Primary malignant neoplasm of two or more contiguous sites of lip, oral cavity and pharynx  
**EXCLUDES 1** "book leaf" neoplasm [ventral surface of tongue and floor of mouth] (C06.89)
- Malignant neoplasms of digestive organs (C15-C26)**  
**EXCLUDES 1** Kaposi's sarcoma of gastrointestinal sites (C46.4)  
**EXCLUDES 2** gastrointestinal stromal tumors (C49.A-)
- C15 Malignant neoplasm of esophagus** HCC  
Use additional code to identify:  
alcohol abuse and dependence (F10.-)
- C15.3 Malignant neoplasm of upper third of esophagus** HCC
- C15.4 Malignant neoplasm of middle third of esophagus** HCC
- C15.5 Malignant neoplasm of lower third of esophagus** HCC  
**EXCLUDES 1** malignant neoplasm of cardio-esophageal junction (C16.0)
- C15.8 Malignant neoplasm of overlapping sites of esophagus** HCC
- C15.9 Malignant neoplasm of esophagus, unspecified** HCC
- C16 Malignant neoplasm of stomach** HCC  
Use additional code to identify:  
alcohol abuse and dependence (F10.-)  
**EXCLUDES 2** malignant carcinoid tumor of the stomach (C7A.092)
- C16.0 Malignant neoplasm of cardia** HCC Rx ESR COM  
Malignant neoplasm of cardiac orifice  
Malignant neoplasm of cardio-esophageal junction  
Malignant neoplasm of esophagus and stomach  
Malignant neoplasm of gastro-esophageal junction
- C16.1 Malignant neoplasm of fundus of stomach** HCC Rx ESR COM
- C16.2 Malignant neoplasm of body of stomach** HCC Rx ESR COM
- C16.3 Malignant neoplasm of pyloric antrum** HCC Rx ESR COM  
Malignant neoplasm of gastric antrum
- C16.4 Malignant neoplasm of pylorus** HCC Rx ESR COM  
Malignant neoplasm of prepylorus  
Malignant neoplasm of pyloric canal
- C16.5 Malignant neoplasm of lesser curvature of stomach, unspecified** HCC Rx ESR COM  
Malignant neoplasm of lesser curvature of stomach, not classifiable to C16.1-C16.4
- C16.6 Malignant neoplasm of greater curvature of stomach, unspecified** HCC Rx ESR COM  
Malignant neoplasm of greater curvature of stomach, not classifiable to C16.0-C16.4
- C16.8 Malignant neoplasm of overlapping sites of stomach** HCC Rx ESR COM
- C16.9 Malignant neoplasm of stomach, unspecified** HCC Rx ESR COM  
Gastric cancer NOS
- C17 Malignant neoplasm of small intestine** HCC  
**EXCLUDES 1** malignant carcinoid tumors of the small intestine (C7A.01)  
**AHA:** 2016, 1Q, 19
- C17.0 Malignant neoplasm of duodenum** HCC Rx ESR COM
- C17.1 Malignant neoplasm of jejunum** HCC Rx ESR COM
- C17.2 Malignant neoplasm of ileum** HCC Rx ESR COM  
**EXCLUDES 1** malignant neoplasm of ileocecal valve (C18.0)
- C17.3 Meckel's diverticulum, malignant** HCC Rx ESR COM  
**EXCLUDES 1** Meckel's diverticulum, congenital (Q43.0)  
**DEF:** Congenital, abnormal remnant of embryonic digestive system development that leaves a sacculcation or outpouching from the wall of the small intestine near the terminal part of the ileum made of acid-secreting tissue as in the stomach.
- C17.8 Malignant neoplasm of overlapping sites of small intestine** HCC Rx ESR COM
- C17.9 Malignant neoplasm of small intestine, unspecified** HCC Rx ESR COM
- C18 Malignant neoplasm of colon** HCC  
**EXCLUDES 1** malignant carcinoid tumors of the colon (C7A.02-)
- C18.0 Malignant neoplasm of cecum** HCC  
Malignant neoplasm of ileocecal valve
- C18.1 Malignant neoplasm of appendix** HCC
- C18.2 Malignant neoplasm of ascending colon** HCC
- C18.3 Malignant neoplasm of hepatic flexure** HCC
- C18.4 Malignant neoplasm of transverse colon** HCC
- C18.5 Malignant neoplasm of splenic flexure** HCC
- C18.6 Malignant neoplasm of descending colon** HCC
- C18.7 Malignant neoplasm of sigmoid colon** HCC  
Malignant neoplasm of sigmoid (flexure)  
**EXCLUDES 1** malignant neoplasm of rectosigmoid junction (C19)
- C18.8 Malignant neoplasm of overlapping sites of colon** HCC
- C18.9 Malignant neoplasm of colon, unspecified** HCC  
Malignant neoplasm of large intestine NOS
- C19 Malignant neoplasm of rectosigmoid junction** HCC  
Malignant neoplasm of colon with rectum  
Malignant neoplasm of rectosigmoid (colon)  
**EXCLUDES 1** malignant carcinoid tumors of the colon (C7A.02-)
- C20 Malignant neoplasm of rectum** HCC  
Malignant neoplasm of rectal ampulla  
**EXCLUDES 1** malignant carcinoid tumor of the rectum (C7A.026)



**F51.09 Other insomnia not due to a substance or known physiological condition**

**✓ 5th F51.1 Hypersomnia not due to a substance or known physiological condition**

**EXCLUDES 2** alcohol related hypersomnia (F10.182, F10.282, F10.982)  
 drug-related hypersomnia (F11.182, F11.282, F11.982, F13.182, F13.282, F13.982, F14.182, F14.282, F14.982, F15.182, F15.282, F15.982, F19.182, F19.282, F19.982)  
 hypersomnia NOS (G47.10)  
 hypersomnia due to known physiological condition (G47.10)  
 idiopathic hypersomnia (G47.11, G47.12)  
 narcolepsy (G47.4-)

**F51.11 Primary hypersomnia**

**F51.12 Insufficient sleep syndrome**

**EXCLUDES 1** sleep deprivation (Z72.820)

**F51.13 Hypersomnia due to other mental disorder**

Code also associated mental disorder

**F51.19 Other hypersomnia not due to a substance or known physiological condition**

**F51.3 Sleepwalking [somniaambulism]**

Non-rapid eye movement sleep arousal disorders, sleepwalking type

**F51.4 Sleep terrors [night terrors]**

Non-rapid eye movement sleep arousal disorders, sleep terror type

**F51.5 Nightmare disorder**

Dream anxiety disorder

**F51.8 Other sleep disorders not due to a substance or known physiological condition**

**F51.9 Sleep disorder not due to a substance or known physiological condition, unspecified**

Emotional sleep disorder NOS

**✓ 4th F52 Sexual dysfunction not due to a substance or known physiological condition**

**EXCLUDES 2** Dhat syndrome (F48.8)

**F52.0 Hypoactive sexual desire disorder**

Lack or loss of sexual desire  
 Male hypoactive sexual desire disorder  
 Sexual anhedonia

**EXCLUDES 1** decreased libido (R68.82)

**F52.1 Sexual aversion disorder**

Sexual aversion and lack of sexual enjoyment

**✓ 5th F52.2 Sexual arousal disorders**

Failure of genital response

**F52.21 Male erectile disorder**

Erectile disorder  
 Psychogenic impotence  
**EXCLUDES 1** impotence of organic origin (N52.-)  
 impotence NOS (N52.-)

**F52.22 Female sexual arousal disorder**

Female sexual interest/arousal disorder

**✓ 5th F52.3 Orgasmic disorder**

Inhibited orgasm  
 Psychogenic anorgasm

**F52.31 Female orgasmic disorder**

**F52.32 Male orgasmic disorder**

Delayed ejaculation

**F52.4 Premature ejaculation**

**F52.5 Vaginismus not due to a substance or known physiological condition**

Psychogenic vaginismus  
**EXCLUDES 2** vaginismus (due to a known physiological condition) (N94.2)

**DEF:** Psychogenic response resulting in painful contractions of the vaginal canal muscles. This condition can be severe enough to prevent sexual intercourse.

**F52.6 Dyspareunia not due to a substance or known physiological condition**

Genito-pelvic pain or penetration disorder  
 Psychogenic dyspareunia  
**EXCLUDES 2** dyspareunia (due to a known physiological condition) (N94.1-)

**F52.8 Other sexual dysfunction not due to a substance or known physiological condition**

Excessive sexual drive  
 Nymphomania  
 Satyriasis

**F52.9 Unspecified sexual dysfunction not due to a substance or known physiological condition**

Sexual dysfunction NOS

**✓ 4th F53 Mental and behavioral disorders associated with the puerperium, not elsewhere classified**

**EXCLUDES 1** mood disorders with psychotic features (F30.2, F31.2, F31.5, F31.64, F32.3, F33.3)  
 postpartum dysphoria (O90.6)  
 psychosis in schizophrenia, schizotypal, delusional, and other psychotic disorders (F20-F29)

AHA: 2018, 4Q, 8

**F53.0 Postpartum depression**

Postnatal depression, NOS  
 Postpartum depression, NOS

**F53.1 Puerperal psychosis**

Postpartum psychosis  
 Puerperal psychosis, NOS

**F54 Psychological and behavioral factors associated with disorders or diseases classified elsewhere**

Psychological factors affecting physical conditions  
 Code first the associated physical disorder, such as:  
 asthma (J45.-)  
 dermatitis (L23-L25)  
 gastric ulcer (K25.-)  
 mucous colitis (K58.-)  
 ulcerative colitis (K51.-)  
 urticaria (L50.-)

**EXCLUDES 2** tension-type headache (G44.2)

**✓ 4th F55 Abuse of non-psychoactive substances**

**EXCLUDES 2** abuse of psychoactive substances (F10-F19)

**F55.0 Abuse of antacids**

**F55.1 Abuse of herbal or folk remedies**

**F55.2 Abuse of laxatives**

**F55.3 Abuse of steroids or hormones**

**F55.4 Abuse of vitamins**

**F55.8 Abuse of other non-psychoactive substances**

**F59 Unspecified behavioral syndromes associated with physiological disturbances and physical factors**

Psychogenic physiological dysfunction NOS

**Disorders of adult personality and behavior (F60-F69)**

**✓ 4th F60 Specific personality disorders**

**F60.0 Paranoid personality disorder**

Expansive paranoid personality (disorder)  
 Fanatic personality (disorder)  
 Paranoid personality (disorder)  
 Querulant personality (disorder)  
 Sensitive paranoid personality (disorder)  
**EXCLUDES 2** paranoia (F22)  
 paranoia querulans (F22)  
 paranoid psychosis (F22)  
 paranoid schizophrenia (F20.0)  
 paranoid state (F22)

**F60.1 Schizoid personality disorder**

**EXCLUDES 2** Asperger's syndrome (F84.5)  
 delusional disorder (F22)  
 schizoid disorder of childhood (F84.5)  
 schizophrenia (F20.-)  
 schizotypal disorder (F21)

**F60.2 Antisocial personality disorder**

Amoral personality (disorder)  
 Asocial personality (disorder)  
 Dissocial personality disorder  
 Psychopathic personality (disorder)  
 Sociopathic personality (disorder)  
**EXCLUDES 1** conduct disorders (F91.-)  
**EXCLUDES 2** borderline personality disorder (F60.3)

**F60.3 Borderline personality disorder**

Aggressive personality (disorder)  
 Emotionally unstable personality disorder  
 Explosive personality (disorder)  
**EXCLUDES 2** antisocial personality disorder (F60.2)

- I25.811 Atherosclerosis of native coronary artery of transplanted heart without angina pectoris**  
Atherosclerosis of native coronary artery of transplanted heart NOS  
**EXCLUDES 1** atherosclerosis of native coronary artery of transplanted heart with angina pectoris (I25.75-)
- I25.812 Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris** **A**  
Atherosclerosis of bypass graft of transplanted heart NOS  
**EXCLUDES 1** atherosclerosis of bypass graft of transplanted heart with angina pectoris (I25.76)
- I25.82 Chronic total occlusion of coronary artery** **UPD**  
Complete occlusion of coronary artery  
Total occlusion of coronary artery  
Code first coronary atherosclerosis (I25.1-, I25.7-, I25.81-)  
**EXCLUDES 1** acute coronary occlusion with myocardial infarction (I21.0-I21.9, I22.-)  
acute coronary occlusion without myocardial infarction (I24.0)  
**AHA:** 2018, 3Q, 5  
**DEF:** Complete blockage of the coronary artery due to plaque accumulation over an extended period of time, resulting in substantial reduction of blood flow. Symptoms include angina or chest pain.  
**TIP:** Report this code in addition to a code from category I21.- or I22.- when the chronic total occlusion and the myocardial infarction are documented as being in different vessels.
- I25.83 Coronary atherosclerosis due to lipid rich plaque** **UPD A**  
Code first coronary atherosclerosis (I25.1-, I25.7-, I25.81-)
- I25.84 Coronary atherosclerosis due to calcified coronary lesion** **UPD**  
Coronary atherosclerosis due to severely calcified coronary lesion  
Code first coronary atherosclerosis (I25.1-, I25.7-, I25.81-)
- I25.89 Other forms of chronic ischemic heart disease**
- I25.9 Chronic ischemic heart disease, unspecified**  
Ischemic heart disease (chronic) NOS

### Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)

- √4th I26 Pulmonary embolism**  
**INCLUDES** pulmonary (acute) (artery)(vein) infarction  
pulmonary (acute) (artery)(vein) thromboembolism  
pulmonary (acute) (artery)(vein) thrombosis  
**EXCLUDES 2** chronic pulmonary embolism (I27.82)  
personal history of pulmonary embolism (Z86.711)  
pulmonary embolism complicating abortion, ectopic or molar pregnancy (O00-O07, O08.2)  
pulmonary embolism complicating pregnancy, childbirth and the puerperium (O88.-)  
pulmonary embolism due to complications of surgical and medical care (T80.0, T81.7-, T82.8-)  
pulmonary embolism due to trauma (T79.0, T79.1)  
septic (non-pulmonary) arterial embolism (I76)
- √5th I26.0 Pulmonary embolism with acute cor pulmonale**  
**DEF:** Cor pulmonale: Heart-lung disease appearing in identifiable forms as chronic or acute. The chronic form of this heart-lung disease is marked by dilation and hypertrophy failure of the right ventricle due to a disease that has affected the function of the lungs, excluding congenital or left heart diseases and is also called chronic cardiopulmonary disease. The acute form is an overload of the right ventricle from a rapid onset of pulmonary hypertension, usually arising from a pulmonary embolism.
- I26.01 Septic pulmonary embolism with acute cor pulmonale** **HCC Rx ESR COM UPD**  
Code first underlying infection
- I26.02 Saddle embolus of pulmonary artery with acute cor pulmonale** **HCC Rx ESR COM**
- I26.09 Other pulmonary embolism with acute cor pulmonale** **HCC Rx ESR COM**  
Acute cor pulmonale NOS  
**AHA:** 2014, 4Q, 21

- √5th I26.9 Pulmonary embolism without acute cor pulmonale**  
**I26.90 Septic pulmonary embolism without acute cor pulmonale** **HCC Rx ESR COM UPD**  
Code first underlying infection
- I26.92 Saddle embolus of pulmonary artery without acute cor pulmonale** **HCC Rx ESR COM**
- I26.93 Single subsegmental pulmonary embolism without acute cor pulmonale** **HCC Rx ESR COM**  
Subsegmental pulmonary embolism NOS  
**AHA:** 2021, 2Q, 9; 2019, 4Q, 6-7
- I26.94 Multiple subsegmental pulmonary emboli without acute cor pulmonale** **HCC Rx ESR COM**  
**AHA:** 2021, 2Q, 9; 2019, 4Q, 6-7
- I26.99 Other pulmonary embolism without acute cor pulmonale** **HCC Rx ESR COM**  
Acute pulmonary embolism NOS  
Pulmonary embolism NOS  
**AHA:** 2020, 3Q, 10-11; 2019, 2Q, 22
- √4th I27 Other pulmonary heart diseases**
- I27.0 Primary pulmonary hypertension** **HCC Rx ESR COM**  
Heritable pulmonary arterial hypertension  
Idiopathic pulmonary arterial hypertension  
Primary group 1 pulmonary hypertension  
Primary pulmonary arterial hypertension  
**EXCLUDES 1** persistent pulmonary hypertension of newborn (P29.30)  
pulmonary hypertension NOS (I27.20)  
secondary pulmonary arterial hypertension (I27.21)  
secondary pulmonary hypertension (I27.29)  
**DEF:** Condition that occurs when pressure within the pulmonary artery is elevated and vascular resistance is observed in the lungs.
- I27.1 Kyphoscoliotic heart disease** **HCC Rx ESR COM**
- √6th I27.2 Other secondary pulmonary hypertension**  
Code also associated underlying condition  
**EXCLUDES 1** Eisenmenger's syndrome (I27.83)  
**AHA:** 2017, 4Q, 14-15; 2014, 4Q, 21  
**DEF:** Condition that occurs when pressure within the pulmonary artery is elevated and vascular resistance is observed in the lungs.
- I27.20 Pulmonary hypertension, unspecified** **HCC Rx ESR COM**  
Pulmonary hypertension NOS
- I27.21 Secondary pulmonary arterial hypertension** **HCC Rx ESR COM**  
(Associated) (drug-induced) (toxin-induced) pulmonary arterial hypertension NOS  
(Associated) (drug-induced) (toxin-induced) (secondary) group 1 pulmonary hypertension  
Code also associated conditions if applicable, or adverse effects of drugs or toxins, such as:  
adverse effect of appetite depressants (T50.5X5)  
congenital heart disease (Q20-Q28)  
human immunodeficiency virus [HIV] disease (B20)  
polymyositis (M33.2-)  
portal hypertension (K76.6)  
rheumatoid arthritis (M05.-)  
schistosomiasis (B65.-)  
Sjögren syndrome (M35.0-)  
systemic sclerosis (M34.-)
- I27.22 Pulmonary hypertension due to left heart disease** **HCC Rx ESR COM**  
Group 2 pulmonary hypertension  
Code also associated left heart disease, if known, such as:  
multiple valve disease (I08.-)  
rheumatic mitral valve diseases (I05.-)  
rheumatic aortic valve diseases (I06.-)
- I27.23 Pulmonary hypertension due to lung diseases and hypoxia** **HCC Rx ESR COM**  
Group 3 pulmonary hypertension  
Code also associated lung disease, if known, such as:  
bronchiectasis (J47.-)  
cystic fibrosis with pulmonary manifestations (E84.0)  
interstitial lung disease (J84.-)  
pleural effusion (J90)  
sleep apnea (G47.3-)
- I27.24 Chronic thromboembolic pulmonary hypertension** **HCC Rx ESR COM**  
Group 4 pulmonary hypertension  
Code also associated pulmonary embolism, if applicable (I26.-, I27.82)

- R41.2 Retrograde amnesia**
- R41.3 Other amnesia**  
Amnesia NOS  
Memory loss NOS  
**EXCLUDES 1** *amnesic disorder due to known physiologic condition (F04)*  
*amnesic syndrome due to psychoactive substance use (F10–F19 with 5th character .6)*  
*mild memory disturbance due to known physiological condition (F06.8)*  
*transient global amnesia (G45.4)*
- R41.4 Neurologic neglect syndrome**  
Asomatognosia  
Hemi-akinesia  
Hemi-inattention  
Hemispatial neglect  
Left-sided neglect  
Sensory neglect  
Visuospatial neglect  
**EXCLUDES 1** *visuospatial deficit (R41.842)*
- ✓ 5th R41.8 Other symptoms and signs involving cognitive functions and awareness**
- R41.81 Age-related cognitive decline** **Q A**  
Senility NOS
- R41.82 Altered mental status, unspecified**  
Change in mental status NOS  
**EXCLUDES 1** *altered level of consciousness (R40.-)*  
*altered mental status due to known condition—code to condition*  
*delirium NOS (R41.0)*  
**AHA:** 2012, 4Q, 97
- R41.83 Borderline intellectual functioning**  
IQ level 71 to 84  
**EXCLUDES 1** *intellectual disabilities (F70–F79)*
- ✓ 6th R41.84 Other specified cognitive deficit**  
**EXCLUDES 1** *cognitive deficits as sequelae of cerebrovascular disease (I69.01–169.11–, 169.21–, 169.31–, 169.81–, 169.91–)*
- R41.840 Attention and concentration deficit**  
**EXCLUDES 1** *attention-deficit hyperactivity disorders (F90.-)*
- R41.841 Cognitive communication deficit**
- R41.842 Visuospatial deficit**
- R41.843 Psychomotor deficit**
- R41.844 Frontal lobe and executive function deficit**
- R41.89 Other symptoms and signs involving cognitive functions and awareness**  
Anosognosia
- R41.9 Unspecified symptoms and signs involving cognitive functions and awareness**  
Unspecified neurocognitive disorder
- R42 Dizziness and giddiness** **Q**  
Light-headedness  
Vertigo NOS  
**EXCLUDES 1** *vertiginous syndromes (H81.-)*  
*vertigo from infrasound (T75.23)*
- ✓ 4th R43 Disturbances of smell and taste**
- R43.0 Anosmia**  
**DEF:** Permanent or transient absence of smell that may be congenital or acquired.
- R43.1 Parosmia**  
**DEF:** Abnormal perception of smell usually triggered by environmental odors.
- R43.2 Parageusia**  
**DEF:** Abnormal perception of taste.
- R43.8 Other disturbances of smell and taste**  
Mixed disturbance of smell and taste
- R43.9 Unspecified disturbances of smell and taste**
- ✓ 4th R44 Other symptoms and signs involving general sensations and perceptions**  
**EXCLUDES 1** *alcoholic hallucinations (F10.151, F10.251, F10.951)*  
*hallucinations in drug psychosis (F11–F19 with fifth to sixth characters 51)*  
*hallucinations in mood disorders with psychotic symptoms (F30.2, F31.5, F32.3, F33.3)*  
*hallucinations in schizophrenia, schizotypal and delusional disorders (F20–F29)*  
**EXCLUDES 2** *disturbances of skin sensation (R20.-)*
- R44.0 Auditory hallucinations**
- R44.1 Visual hallucinations**
- R44.2 Other hallucinations**
- R44.3 Hallucinations, unspecified**
- R44.8 Other symptoms and signs involving general sensations and perceptions**
- R44.9 Unspecified symptoms and signs involving general sensations and perceptions**
- ✓ 4th R45 Symptoms and signs involving emotional state**
- R45.0 Nervousness**  
Nervous tension
- R45.1 Restlessness and agitation**
- R45.2 Unhappiness**
- R45.3 Demoralization and apathy**  
**EXCLUDES 1** *anhedonia (R45.84)*
- R45.4 Irritability and anger**
- R45.5 Hostility**
- R45.6 Violent behavior**
- R45.7 State of emotional shock and stress, unspecified**
- ✓ 5th R45.8 Other symptoms and signs involving emotional state**
- R45.81 Low self-esteem**
- R45.82 Worries**
- R45.83 Excessive crying of child, adolescent or adult**  
**EXCLUDES 1** *excessive crying of infant (baby) R68.11*
- R45.84 Anhedonia**
- ✓ 6th R45.85 Homicidal and suicidal ideations**  
**EXCLUDES 1** *suicide attempt (T14.91)*
- R45.850 Homicidal ideations**
- R45.851 Suicidal ideations**  
**DEF:** Thoughts of committing suicide but no actual attempt of suicide has been made.
- R45.86 Emotional lability**
- R45.87 Impulsiveness**
- R45.88 Nonsuicidal self-harm**  
Nonsuicidal self-injury  
Nonsuicidal self-mutilation  
Self-inflicted injury without suicidal intent  
**Code also injury, if known**
- R45.89 Other symptoms and signs involving emotional state**
- ✓ 4th R46 Symptoms and signs involving appearance and behavior**  
**EXCLUDES 1** *appearance and behavior in schizophrenia, schizotypal and delusional disorders (F20–F29)*  
*mental and behavioral disorders (F01–F99)*
- R46.0 Very low level of personal hygiene**
- R46.1 Bizarre personal appearance**
- R46.2 Strange and inexplicable behavior**
- R46.3 Overactivity**
- R46.4 Slowness and poor responsiveness**  
**EXCLUDES 1** *stupor (R40.1)*
- R46.5 Suspiciousness and marked evasiveness**
- R46.6 Undue concern and preoccupation with stressful events**
- R46.7 Verbosity and circumstantial detail obscuring reason for contact**
- ✓ 5th R46.8 Other symptoms and signs involving appearance and behavior**
- R46.81 Obsessive-compulsive behavior**  
**EXCLUDES 1** *obsessive-compulsive disorder (F42.-)*
- R46.89 Other symptoms and signs involving appearance and behavior**
- Symptoms and signs involving speech and voice (R47–R49)**
- ✓ 4th R47 Speech disturbances, not elsewhere classified**  
**EXCLUDES 1** *autism (F84.0)*  
*cluttering (F80.81)*  
*specific developmental disorders of speech and language (F80.-)*  
*stuttering (F80.81)*
- ✓ 5th R47.0 Dysphasia and aphasia**
- R47.01 Aphasia**  
**EXCLUDES 1** *aphasia following cerebrovascular disease (I69, with final characters -20)*  
*progressive isolated aphasia (G31.01)*

## Appendix A: Valid 3-character ICD-10-CM Codes

A09	Infectious gastroenteritis and colitis, unspecified	E46	Unspecified protein-calorie malnutrition
A33	Tetanus neonatorum	E52	Niacin deficiency [pellagra]
A34	Obstetrical tetanus	E54	Ascorbic acid deficiency
A35	Other tetanus	E58	Dietary calcium deficiency
A46	Erysipelas	E59	Dietary selenium deficiency
A55	Chlamydial lymphogranuloma (venereum)	E60	Dietary zinc deficiency
A57	Chancroid	E65	Localized adiposity
A58	Granuloma inguinale	E68	Sequelae of hyperalimentation
A64	Unspecified sexually transmitted disease	F04	Amnesic disorder due to known physiological condition
A65	Nonvenereal syphilis	F05	Delirium due to known physiological condition
A70	Chlamydia psittaci infections	F09	Unspecified mental disorder due to known physiological condition
A78	Q fever	F21	Schizotypal disorder
A86	Unspecified viral encephalitis	F22	Delusional disorders
A89	Unspecified viral infection of central nervous system	F23	Brief psychotic disorder
A90	Dengue fever [classical dengue]	F24	Shared psychotic disorder
A91	Dengue hemorrhagic fever	F28	Other psychotic disorder not due to a substance or known physiological condition
A94	Unspecified arthropod-borne viral fever	F29	Unspecified psychosis not due to a substance or known physiological condition
A99	Unspecified viral hemorrhagic fever	F39	Unspecified mood [affective] disorder
B03	Smallpox	F54	Psychological and behavioral factors associated with disorders or diseases classified elsewhere
B04	Monkeypox	F59	Unspecified behavioral syndromes associated with physiological disturbances and physical factors
B09	Unspecified viral infection characterized by skin and mucous membrane lesions	F66	Other sexual disorders
B20	Human immunodeficiency virus [HIV] disease	F69	Unspecified disorder of adult personality and behavior
B49	Unspecified mycosis	F70	Mild intellectual disabilities
B54	Unspecified malaria	F71	Moderate intellectual disabilities
B59	Pneumocystosis	F72	Severe intellectual disabilities
B64	Unspecified protozoal disease	F73	Profound intellectual disabilities
B72	Dracunculiasis	F79	Unspecified intellectual disabilities
B75	Trichinellosis	F82	Specific developmental disorder of motor function
B79	Trichuriasis	F88	Other disorders of psychological development
B80	Enterobiasis	F89	Unspecified disorder of psychological development
B86	Scabies	F99	Mental disorder, not otherwise specified
B89	Unspecified parasitic disease	G01	Meningitis in bacterial diseases classified elsewhere
B91	Sequelae of poliomyelitis	G02	Meningitis in other infectious and parasitic diseases classified elsewhere
B92	Sequelae of leprosy	G07	Intracranial and intraspinal abscess and granuloma in diseases classified elsewhere
C01	Malignant neoplasm of base of tongue	G08	Intracranial and intraspinal phlebitis and thrombophlebitis
C07	Malignant neoplasm of parotid gland	G09	Sequelae of inflammatory diseases of central nervous system
C12	Malignant neoplasm of pyriform sinus	G10	Huntington's disease
C19	Malignant neoplasm of rectosigmoid junction	G14	Postpolio syndrome
C20	Malignant neoplasm of rectum	G20	Parkinson's disease
C23	Malignant neoplasm of gallbladder	G26	Extrapyramidal and movement disorders in diseases classified elsewhere
C33	Malignant neoplasm of trachea	G35	Multiple sclerosis
C37	Malignant neoplasm of thymus	G53	Cranial nerve disorders in diseases classified elsewhere
C52	Malignant neoplasm of vagina	G55	Nerve root and plexus compressions in diseases classified elsewhere
C55	Malignant neoplasm of uterus, part unspecified	G59	Mononeuropathy in diseases classified elsewhere
C58	Malignant neoplasm of placenta	G63	Polyneuropathy in diseases classified elsewhere
C61	Malignant neoplasm of prostate	G64	Other disorders of peripheral nervous system
C73	Malignant neoplasm of thyroid gland	G94	Other disorders of brain in diseases classified elsewhere
D34	Benign neoplasm of thyroid gland	H22	Disorders of iris and ciliary body in diseases classified elsewhere
D45	Polycythemia vera	H28	Cataract in diseases classified elsewhere
D62	Acute posthemorrhagic anemia	H32	Chorioretinal disorders in diseases classified elsewhere
D65	Disseminated intravascular coagulation [defibrination syndrome]	H36	Retinal disorders in diseases classified elsewhere
D66	Hereditary factor VIII deficiency	H42	Glaucoma in diseases classified elsewhere
D67	Hereditary factor IX deficiency	I00	Rheumatic fever without heart involvement
D71	Functional disorders of polymorphonuclear neutrophils	I10	Essential (primary) hypertension
D77	Other disorders of blood and blood-forming organs in diseases classified elsewhere	I32	Pericarditis in diseases classified elsewhere
E02	Subclinical iodine-deficiency hypothyroidism	I38	Endocarditis, valve unspecified
E15	Nondiabetic hypoglycemic coma	I39	Endocarditis and heart valve disorders in diseases classified elsewhere
E35	Disorders of endocrine glands in diseases classified elsewhere		
E40	Kwashiorkor		
E41	Nutritional marasmus		
E42	Marasmic kwashiorkor		
E43	Unspecified severe protein-calorie malnutrition		
E45	Retarded development following protein-calorie malnutrition		

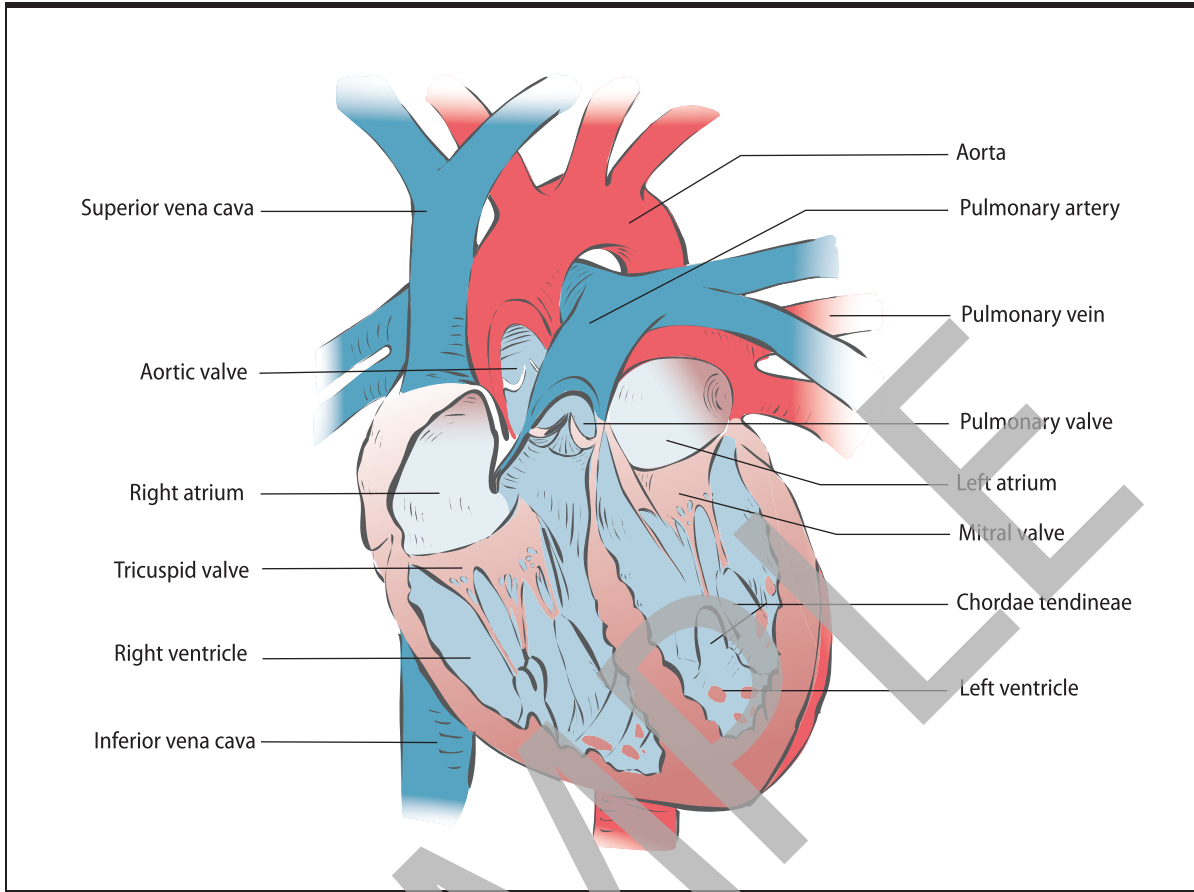
## Appendix C: Z Codes for Long-Term Drug Use with Associated Drugs

This resource correlates the Z codes that are used to identify current long-term drug use with a list of drugs that are typically categorized to that class of drug. These lists are not all-inclusive, providing only the more commonly used drugs.

<p><b>Z79.01 Long term (current) use of anticoagulants</b></p> <p>Angiomax Argatroban Arixtra Bevyxxa Coumadin Eliquis Fragmin Heparin Jantoven Lovenox Pradaxa Savaysa Warfarin Xarelto</p>	<p>Azactam Azithromycin Bactrim Bactroban Biaxin XL Cefazolin sodium Ceftriaxone Cefzil Centany Cephalexin Cipro Ciprofloxacin Clarithromycin Cleocin Clindamycin Cubicin Daptomycin Dificid Doxycycline Dynacin E.E.S. Ertapenem ERYC Erygel EryPed Ery-Tab Erythrocin Erythromycin Factive Fetroja Flagyl Fortaz Garamycin Gentamicin sulfate Hiprex Invanz Isoniazid Keflex Klaron Lincocin Macrobid Macrodantin Maxipime Mepron Merrem Metronidazole Minocin Monodox Monurol Mycobutin Nebupent Neosporin Nitrofurantoin Oracea Orbactiv Penicillin-VK Pentam Pfizerpen Priftin Primaxin Rifadin Rimactane</p>	<p>Septra Seromycin Silvadene Sivextro Solodyn Streptomycin sulfate Suprax Synercid Talicia Tazicef Teflaro Tetracycline HCl Tobramycin Trimethoprim Tygacil Unasyn Vabomere Vancocin HCl Vancomycin HCl Vibativ Vibramycin Xenieta Xifaxan Zerbaxa Zinacef Zithromax Zosyn Zyvox</p>
<p><b>Z79.02 Long term (current) use of antithrombotics/antiplatelets</b></p> <p>Aggrastat Aggrenox Brilinta Clopidogrel bisulfate Effient Integrilin Persantine Plavix Prasugrel</p>	<p><b>Z79.1 Long term (current) use of non-steroidal anti-inflammatories (NSAID)</b></p> <p>Advil Aleve Anaprox DS Arthrotec Caldolor Cambia Celebrex Colazal Daypro Duexis Feldene Ibuprofen Indocin Mobic Motrin IB Nabumetone Nalfon Naprelan Naprosyn NeoProfen Pentasa Ponstel Tivorbex Voltaren Zipsor Zorvolex</p>	<p><b>Z79.3 Long term (current) use of hormonal contraceptives</b></p> <p>Altavera Alyacen Aranelle Ashlyna Aviane-28 Balziva-28 Bekyree Beyaz Brevicon 28-day Briellyn Camila Cryselle Cyclafem Cyclessa Dasetta Daysee Depo-Provera Depo-SubQ Provera Desogestrel:     Ethinyl Elinest Emoquette Enpresse-28 Enskyce Errin Estarylla Estrostep Fe Falmina Femhrt Gildagia Gildess Introvale</p>
<p><b>Z79.2 Long term (current) use of antibiotics</b></p> <p>Altabax Amikacin Amoxicillin Ampicillin Augmentin Avelox</p>		

# Chapter 9. Diseases of the Circulatory System (I00–I99)

## Anatomy of the Heart



## Heart Cross Section

