



CDSA ICD-10-CM Training

Unit 2

Using the ICD-10-CM Code Book/Online Version





Training Objectives

1. Understand the structure of the ICD-10-CM Code Book and online resources
2. Understand how to look up diagnoses in the Alphabetical Index and verify the code in the Tabular List
3. Understand the coding conventions and coding guidelines
4. Demonstrate how to accurately assign ICD-10-CM codes to a CDSA scenario and some simple diagnoses



Training Essentials

- The CDSA ICD~10~CM training is broken down into units
 - Staff should review the Training Objectives for each unit to determine the extent of training needed to perform their job functions
 - Staff that want to utilize **all** of the training should complete the units in sequential order (e.g., Unit 1 then Unit 2, etc.)
- ICD~10~CM Coding Training Workbook for CDSAs
 - <http://www.ncpublichealth.com/lhd/icd10/training.htm>
 - See “CDSA Training Materials”
- In order to complete this training, access to ICD~10~CM code book or downloads of the 2016 version of ICD~10~CM from the CMS website is needed
 - <http://www.cms.gov/Medicare/Coding/ICD10/2016-ICD-10-CM-and-GEMs.html>
- Webinar basics
 - Pause/Play
 - Back/Forward



Online version of ICD-10-CM

<http://www.cms.gov/Medicare/Coding/ICD10/2016-ICD-10-CM-and-GEMs.html>

The screenshot shows the CMS.gov website interface. At the top, there are browser tabs for 'Constitutional Committee', 'Google Calendar', 'NC Public Health: ICD-10', and '2016 ICD-10-CM and GEMs'. The address bar shows the URL: www.cms.gov/Medicare/Coding/ICD10/2016-ICD-10-CM-and-GEMs.html. The CMS.gov logo and 'Centers for Medicare & Medicaid Services' are prominently displayed. A navigation menu includes links for Medicare, Medicaid/CHIP, Medicare-Medicaid Coordination, Private Insurance, Innovation Center, Regulations & Guidance, Research, Statistics, Data & Systems, and Outreach & Education. The main content area is titled '2016 ICD-10-CM and GEMs' and contains the following text:

The 2016 ICD-10-CM files below contain information on the new diagnosis coding system, ICD-10-CM, that is a replacement for ICD-9-CM, Volumes 1 and 2.

The 2016 Reimbursement Mappings Files will be posted in August 2015

Downloads

- [2016 Code Descriptions in Tabular Order \[ZIP, 1MB\]](#)
- [2016 Code Tables and Index \[ZIP, 16MB\]](#)
- [2016 ICD-10-CM Duplicate Code Numbers \[ZIP, 64KB\]](#)
- [2016 Addendum \[PDF, 79KB\]](#)
- [2016 General Equivalence Mappings \(GEMs\) – Diagnosis Codes and Guide \[ZIP, 1MB\]](#)
- [2016 Present On Admission \(POA\) Exempt List \[ZIP, 1MB\]](#)
- [2016 ICD-10-CM Guidelines \[PDF, 1MB\]](#)

Page last Modified: 06/10/2015 6:48 PM
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The left sidebar contains a list of links under the 'ICD-10' heading, including 'Latest News', 'CMS ICD-10 Industry Email Updates', 'CMS Implementation Planning', 'Provider Resources', 'Medicare Fee-For-Service Provider Resources', 'Medicaid Resources', 'Payer Resources', 'Vendor Resources', 'Statute and Regulations', and a list of historical ICD-10-CM and GEMs files from 2014 to 2016.



Online version of ICD~10~CM

<http://www.cms.gov/Medicare/Coding/ICD10/2016-ICD-10-CM-and-GEMs.html>

Sarah > Downloads > 2016-CM-Code-Tables-and-Index (1)

Search 2016-CM-Code-Tables-and-In...

Organize Extract all files

Name	Type	Compressed size	Password ...	Size	Ratio	Date modified
Drug	Adobe Acrobat Document	2,945 KB	No	3,747 KB	22%	4/3/2015 2:15 PM
Drug	XML Document	151 KB	No	2,069 KB	93%	4/3/2015 2:31 PM
drug-neoplasm.xsd	XSD File	2 KB	No	5 KB	75%	7/8/2011 1:24 PM
E-Index	Adobe Acrobat Document	389 KB	No	477 KB	19%	4/3/2015 2:24 PM
E-Index	XML Document	79 KB	No	957 KB	92%	4/3/2015 2:31 PM
Index	Adobe Acrobat Document	3,812 KB	No	4,565 KB	17%	4/3/2015 2:25 PM
Index	XML Document	976 KB	No	8,702 KB	89%	4/3/2015 2:32 PM
index.xsd	XSD File	1 KB	No	5 KB	85%	7/11/2011 7:31 AM
Neoplasm	Adobe Acrobat Document	882 KB	No	1,050 KB	17%	4/3/2015 2:27 PM
Neoplasm	XML Document	38 KB	No	567 KB	94%	4/3/2015 2:32 PM
Tabular	Adobe Acrobat Document	7,084 KB	No	8,158 KB	14%	4/3/2015 2:31 PM
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tabular.xsd	XSD File	2 KB	No	10 KB	86%	9/1/2011 12:00 PM

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Alphabetic Index— Index to Diseases and Injuries

ICD-10-CM INDEX TO DISEASES and INJURIES

[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#)

A

Aarskog's syndrome Q87.1

Abandonment —see Maltreatment

Abasia (-astasia) (hysterical) F44.4

Abderhalden-Kaufmann-Lignac syndrome (cystinosis) E72.04

Abdomen, abdominal —see *also* condition

- acute R10.0

- angina K55.1

- muscle deficiency syndrome Q79.4

Abdominalgia —see Pain, abdominal

Abduction contracture, hip or other joint —see Contraction, joint

Aberrant (congenital) —see *also* Malposition, congenital

- adrenal gland Q89.1

- artery (peripheral) Q27.8

- - basilar NEC Q28.1

- - cerebral Q28.3

- - coronary Q24.5

- - digestive system Q27.8

- - eye Q15.8



Alphabetic Index— Index to Diseases and Injuries

Déjérine-Roussy syndrome G89.0

Déjérine-Sottas disease or neuropathy (hypertrophic) G60.0

Déjérine-Thomas atrophy G23.8

Delay, delayed

- any plane in pelvis
- - complicating delivery O66.9
- birth or delivery NOS O63.9
- closure, ductus arteriosus (Botalli) P29.3
- coagulation —see Defect, coagulation
- conduction (cardiac) (ventricular) I45.9
- delivery, second twin, triplet, etc O63.2
- development R62.50
 - - global F88
 - - intellectual (specific) F81.9
 - - language F80.9
 - - - due to hearing loss F80.4
 - - learning F81.9
 - - pervasive F84.9
 - - physiological R62.50
 - - - specified stage NEC R62.0
 - - reading F81.0
 - - sexual E30.0
 - - speech F80.9
 - - - due to hearing loss F80.4
 - - spelling F81.81
- gastric emptying K30
- menarche E30.0
- menstruation (cause unknown) N91.0
- milestone R62.0
- passage of meconium (newborn) P76.0
- primary respiration P28.9
- puberty (constitutional) E30.0
- separation of umbilical cord P96.82
- sexual maturation, female E30.0
- sleep phase syndrome G47.21
- union, fracture —see Fracture, by site
- vaccination Z28.9

Deletion (s)

- autosome Q93.9
 - - identified by fluorescence in situ hybridization (FISH) Q93.89
 - - identified by in situ hybridization (ISH) Q93.89
- chromosome
 - - with complex rearrangements NEC Q93.7
 - - part of NEC Q93.5
 - - seen only at prometaphase Q93.89
 - - short arm
 - - - 4 Q93.3

Deuteranopia (complete) (incomplete) H53.53

Development

- abnormal, bone Q79.9
 - arrested R62.50
 - - bone —see Arrest, development or growth, bone
 - - child R62.50
 - - due to malnutrition E45
 - defective, congenital —see *also* Anomaly, by site
 - - cauda equina Q06.3
 - - left ventricle Q24.8
 - - - in hypoplastic left heart syndrome Q23.4
 - - valve Q24.8
 - - - pulmonary Q22.3
 - delayed (see *also* Delay, development) R62.50
 - - arithmetical skills F81.2
 - - language (skills) (expressive) F80.1
 - - learning skill F81.9
 - - mixed skills F88
 - - motor coordination F82
 - - reading F81.0
 - - specified learning skill NEC F81.89
 - - speech F80.9
 - - spelling F81.81
 - - written expression F81.81
 - imperfect, congenital —see *also* Anomaly, by site
 - - heart Q24.9
 - - lungs Q33.6
 - incomplete
 - - bronchial tree Q32.4
 - - organ or site not listed —see Hypoplasia, by site
 - - respiratory system Q34.9
 - sexual, precocious NEC E30.1
 - tardy, mental (see *also* Disability, intellectual) F79
- Developmental** —see condition
- testing, child —see Examination, child



Alphabetic Index –Table of Drugs and Chemicals

ICD-10-CM TABLE of DRUGS and CHEMICALS

| [A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [M](#) | [N](#) | [O](#) | [P](#) | [Q](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#) | [Y](#) | [Z](#)

Substance	Poisoning, Accidental (unintentional)	Poisoning, Intentional self-harm	Poisoning, Assault	Poisoning, Undetermined	Adverse effect	Underdosing
#						
1-propanol	T51.3X1	T51.3X2	T51.3X3	T51.3X4	--	--
2-propanol	T51.2X1	T51.2X2	T51.2X3	T51.2X4	--	--
2,4-D(dichlorophen-oxyacetic acid)	T60.3X1	T60.3X2	T60.3X3	T60.3X4	--	--
2,4-toluene diisocyanate	T65.0X1	T65.0X2	T65.0X3	T65.0X4	--	--
2,4,5-T(trichloro-phenoxyacetic acid)	T60.1X1	T60.1X2	T60.1X3	T60.1X4	--	--
14-hydroxydihydro-morphinone	T40.2X1	T40.2X2	T40.2X3	T40.2X4	T40.2X5	T40.2X6
A						
ABOB	T37.5X1	T37.5X2	T37.5X3	T37.5X4	T37.5X5	T37.5X6
Abrine	T62.2X1	T62.2X2	T62.2X3	T62.2X4	--	--
Abrus(seed)	T62.2X1	T62.2X2	T62.2X3	T62.2X4	--	--
Absinthe	T51.0X1	T51.0X2	T51.0X3	T51.0X4	--	--
- beverage	T51.0X1	T51.0X2	T51.0X3	T51.0X4	--	--
Acaricide	T60.8X1	T60.8X2	T60.8X3	T60.8X4	--	--
Acebutolol	T44.7X1	T44.7X2	T44.7X3	T44.7X4	T44.7X5	T44.7X6
Acetaminophen	T39.1X1	T39.1X2	T39.1X3	T39.1X4	T39.1X5	T39.1X6



Alphabetic Index –Table of Neoplasms

	Malignant Primary	Malignant Secondary	Ca in situ	Benign	Uncertain Behavior	Unspecified Behavior
N						
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 <i>Neoplasm, abdomen, wall, skin</i>	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 <i>Neoplasm, sinus</i>						
- 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 <i>Neoplasm, connective tissue</i>	C49.4	C79.89	-	D21.9	D48.1	D49.2



Alphabetic Index ~ Index to External Cause of Injuries

ICD-10-CM External Cause of Injuries Index

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A

Abandonment (causing exposure to weather conditions) (with intent to injure or kill) NEC X58

Abuse (adult) (child) (mental) (physical) (sexual) X58

Accident (to) X58

- aircraft (in transit) (powered) —see also Accident, transport, aircraft
- - due to, caused by cataclysm —see Forces of nature, by type
- animal-rider —see Accident, transport, animal-rider
- animal-drawn vehicle —see Accident, transport, animal-drawn vehicle occupant
- automobile —see Accident, transport, car occupant
- bare foot water skier V94.4
- boat, boating —see also Accident, watercraft
 - - striking swimmer
 - - - powered V94.11
 - - - unpowered V94.12
- bus —see Accident, transport, bus occupant
- cable car, not on rails V98.0
 - - on rails —see Accident, transport, streetcar occupant
- car —see Accident, transport, car occupant
- caused by, due to
 - - animal NEC W64



Tabular List of Diseases and Injuries

Chapter 1

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
infectious and parasitic diseases complicating pregnancy, childbirth and the puerperium (O98.-)
influenza and other acute respiratory infections (J00-J22)

Excludes2: carrier or suspected carrier of infectious disease (Z22.-)
infectious and parasitic diseases specific to the perinatal period (P35-P39)

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	Helminthiases
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



Tabular List of Diseases and Injuries

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



Added Features to ICD-10-CM

ICD-10-CM includes full code titles for all codes

- No referencing back to common 4th and 5th digits
- ICD-9-CM
 - 756 = Other congenital musculoskeletal anomalies
 - 756.1 = Anomalies of spine
 - 756.19 = Other
- ICD-10-CM
 - Q76 = Congenital malformation of spine and bony thorax
 - Q76.4 = Other congenital malformations of spine, not associated with scoliosis
 - Q76.41 = Congenital kyphosis
 - Q76.411 = Congenital kyphosis, occipito-atlanto-axial region



Alphabetic Index – Main Terms

- Alphabetic Index and Tabular List
 - Structured the same as ICD-9-CM

Encounter (with health service) (for) Z76.89

- adjustment and management (of)
- breast implant Z45.81
- implanted device NEC Z45.89
- myringotomy device (stent) (tube) Z45.82
- administrative purpose only Z02.9
- examination for
- adoption Z02.82
- armed forces Z02.3
- disability determination Z02.71
- driving license Z02.4
- employment Z02.1
- insurance Z02.6
- medical certificate NEC Z02.79
- paternity testing Z02.81
- residential institution admission Z02.2
- school admission Z02.0
- sports Z02.5
- specified reason NEC Z02.89
- aftercare —see Aftercare

Hydrocephalus (acquired) (external) (internal) (malignant) (recurrent) G91.9

- aqueduct Sylvius stricture Q03.0
- causing disproportion O33.6
- with obstructed labor O66.3
- communicating G91.0
- congenital (external) (internal) Q03.9
- with spina bifida Q05.4
- cervical Q05.0
- dorsal Q05.1
- lumbar Q05.2
- lumbosacral Q05.2

- Look up: hard cleft palate with bilateral cleft lip



Similarities Between 9 and 10 Alphabetic Index

- Many convention types have same meaning in the Tabular List and Alphabetic Index:
 - Instructional notes
 - Abbreviations and Symbols
 - Punctuation marks
- Alphabetic index includes suggestions for manifestation codes

Hydrocephalus (acquired) (external) (internal) (malignant) (recurrent) G91.9

- aqueduct Sylvius stricture Q03.0

- causing disproportion O33.6

- - with obstructed labor O66.3

- communicating G91.0

- congenital (external) (internal) Q03.9

- in (due to)

- - infectious disease NEC B89 [G91.4]

- - neoplastic disease NEC (see also Neoplasm) G91.4

- - parasitic disease B89 [G91.4]

- newborn Q03.9

- - with spina bifida —see Spina bifida, with hydrocephalus



ICD-10-CM Official Guidelines for Coding and Reporting

- A set of rules developed by the National Center for Health Statistics (NCHS) that accompany and complement the official conventions and instructions provided within the ICD-10-CM
 - The instructions and conventions of the classification take precedence over the guidelines
 - HIPAA requires adherence to the official coding guidelines in all healthcare settings
- Sections 1 and 4 of the guidelines apply to outpatients
- Updates are published at least annually
 - <http://www.cms.gov/Medicare/Coding/ICD10/Downloads/icd10cm-guidelines-2016.pdf>



Added Features to ICD-10-CM


- Consists of 21 Chapters compared to 17 in ICD-9-CM
 - Sense organs are no longer in the nervous system disorders – they have their own Chapters
 - Diseases of the Eye and Adnexa (Chapter 7)
 - Diseases of the Ear and Mastoid Process (Chapter 8)
 - V and E codes are no longer supplemental classifications ~ They have their own Chapters
 - E codes are now in Chapters 19 and 20
 - Injury, poisoning and certain other consequences of external causes (Chapter 19)
 - » T42.5x1 **Poisoning** by mixed antiepileptics, **accidental (unintentional)**
 - External causes of morbidity (Chapter 20)
 - » Y79.1 Therapeutic (nonsurgical) and rehabilitative orthopedic devices associated with adverse incidents
 - V codes are now in Chapter 21: Factors influencing health status and contact with health services



Similarities Between 9 and 10 Chapters of ICD-10-CM

Table of Contents

- 1 [Certain infectious and parasitic diseases \(A00-B99\)](#)
- 2 [Neoplasms \(C00-D49\)](#)
- 3 [Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism \(D50-D89\)](#)
- 4 [Endocrine, nutritional and metabolic diseases \(E00-E89\)](#)
- 5 [Mental, Behavioral and Neurodevelopmental disorders \(F01-F99\)](#)
- 6 [Diseases of the nervous system \(G00-G99\)](#)
- 7 [Diseases of the eye and adnexa \(H00-H59\)](#)
- 8 [Diseases of the ear and mastoid process \(H60-H95\)](#)
- 9 [Diseases of the circulatory system \(I00-I99\)](#)
- 10 [Diseases of the respiratory system \(J00-J99\)](#)
- 11 [Diseases of the digestive system \(K00-K95\)](#)
- 12 [Diseases of the skin and subcutaneous tissue \(L00-L99\)](#)
- 13 [Diseases of the musculoskeletal system and connective tissue \(M00-M99\)](#)
- 14 [Diseases of the genitourinary system \(N00-N99\)](#)
- 15 [Pregnancy, childbirth and the puerperium \(O00-O9A\)](#)
- 16 [Certain conditions originating in the perinatal period \(P00-P96\)](#)
- 17 [Congenital malformations, deformations and chromosomal abnormalities \(Q00-Q99\)](#)
- 18 [Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified \(R00-R99\)](#)
- 19 [Injury, poisoning and certain other consequences of external causes \(S00-T88\)](#)
- 20 [External causes of morbidity \(V00-Y99\)](#)
- 21 [Factors influencing health status and contact with health services \(Z00-Z99\)](#)



Similarities Between 9 and 10 Tabular List

- Tabular List Example – Chapter 16


Chapter 16

Certain conditions originating in the perinatal period (P00-P96)

Note: Codes from this chapter are for use on newborn records only, never on maternal records

Includes: conditions that have their origin in the fetal or perinatal period (before birth through the first 28 days after birth) even if morbidity occurs later

Excludes2: congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)
endocrine, nutritional and metabolic diseases (E00-E88)
injury, poisoning and certain other consequences of external causes (S00-T88)
neoplasms (C00-D49)
tetanus neonatorum (A33)




Similarities Between 9 and 10 Tabular List

- Tabular List Example – Chapter 16 (cont'd)
 - Each chapter in the Tabular List begins with a summary of code blocks

This chapter contains the following blocks:

P00-P04	<u>Newborn affected by maternal factors and by complications of pregnancy, labor, and delivery</u>
P05-P08	<u>Disorders of newborn related to length of gestation and fetal growth</u>
P09	<u>Abnormal findings on neonatal screening</u>
P10-P15	<u>Birth trauma</u>
P19-P29	<u>Respiratory and cardiovascular disorders specific to the perinatal period</u>
P35-P39	<u>Infections specific to the perinatal period</u>
P50-P61	<u>Hemorrhagic and hematological disorders of newborn</u>
P70-P74	<u>Transitory endocrine and metabolic disorders specific to newborn</u>
P76-P78	<u>Digestive system disorders of newborn</u>
P80-P83	<u>Conditions involving the integument and temperature regulation of newborn</u>
P84	<u>Other problems with newborn</u>
P90-P96	<u>Other disorders originating in the perinatal period</u>



Similarities Between 9 and 10 Tabular List

- **Tabular List Example – Blocks of Codes**

Infections specific to the perinatal period (P35-P39)

Infections acquired in utero, during birth via the umbilicus, or during the first 28 days after birth

Excludes2: asymptomatic human immunodeficiency virus [HIV] infection status (Z21)

congenital gonococcal infection (A54.-)

congenital pneumonia (P23.-)

congenital syphilis (A50.-)

human immunodeficiency virus [HIV] disease (B20)

infant botulism (A48.51)

infectious diseases not specific to the perinatal period (A00-B99, J09, J10.-)

intestinal infectious disease (A00-A09)

laboratory evidence of human immunodeficiency virus [HIV] (R75)

tetanus neonatorum (A33)

P35 Congenital viral diseases

Includes: infections acquired in utero or during birth

P35.0 Congenital rubella syndrome

Congenital rubella pneumonitis

P35.1 Congenital cytomegalovirus infection



Instructional Notes Includes

- “Includes” – In Tabular List, defines and/or gives examples of the content of a **chapter, section, category, or block of category codes (subcategory)**
 - Includes list is not exhaustive so even though a documented diagnosis is not on the list, the code may still be appropriate

E10 Type 1 diabetes mellitus

Includes: brittle diabetes (mellitus)

diabetes (mellitus) due to autoimmune process

diabetes (mellitus) due to immune mediated pancreatic islet beta-cell destruction

idiopathic diabetes (mellitus)

juvenile onset diabetes (mellitus)

ketosis-prone diabetes (mellitus)

E10.1 Type 1 diabetes mellitus with ketoacidosis

E10.10 Type 1 diabetes mellitus with ketoacidosis without coma

E10.11 Type 1 diabetes mellitus with ketoacidosis with coma



Instructional Notes Includes

- At the **code level**, there may be a list of terms included in the code but the term “includes” is not used
- Example

E10.2 Type 1 diabetes mellitus with kidney complications

E10.21 Type 1 diabetes mellitus with diabetic nephropathy

Type 1 diabetes mellitus with intercapillary glomerulosclerosis

Type 1 diabetes mellitus with intracapillary glomerulonephrosis

Type 1 diabetes mellitus with Kimmelstiel-Wilson disease

E10.22 Type 1 diabetes mellitus with diabetic chronic kidney disease

Type 1 diabetes mellitus with chronic kidney disease due to conditions classified to .21 and .22

Use **additional** code to identify stage of chronic kidney disease (N18.1-N18.6)

E10.29 Type 1 diabetes mellitus with other diabetic kidney complication

Type 1 diabetes mellitus with renal tubular degeneration



Instructional Notes

Excludes 1

- Excludes 1 note
 - Indicates that the code(s) excluded should never be used at the same time as the code above the “Excludes 1” note ~ the 2 conditions cannot occur together
 - In other words: **NOT CODED HERE**
 - Example:

E10 Type 1 diabetes mellitus

- Excludes 1:** diabetes mellitus due to underlying condition (E08.-)
drug or chemical induced diabetes mellitus (E09.-)
gestational diabetes (O24.4-)
hyperglycemia NOS (R73.9)
neonatal diabetes mellitus (P70.2)
postpancreatectomy diabetes mellitus (E13.-)
postprocedural diabetes mellitus (E13.-)
secondary diabetes mellitus NEC (E13.-)
type 2 diabetes mellitus (E11.-)



Instructional Notes

Excludes2

- Excludes2 note
 - Indicates that the condition excluded is not part of the condition represented by the code, but a client may have both conditions at the same time
 - In other words: **NOT INCLUDED HERE**

Q28 Other congenital malformations of circulatory system

Excludes1: congenital aneurysm NOS (Q27.8)
congenital coronary aneurysm (Q24.5)
ruptured cerebral arteriovenous malformation (I60.8)
ruptured malformation of precerebral vessels (I72.0)


Excludes2: congenital peripheral aneurysm (Q27.8)
congenital pulmonary aneurysm (Q25.79)
congenital retinal aneurysm (Q14.1)

Q28.0 Arteriovenous malformation of precerebral vessels

Congenital arteriovenous precerebral aneurysm (nonruptured)

Q28.1 Other malformations of precerebral vessels

Congenital malformation of precerebral vessels NOS
Congenital precerebral aneurysm (nonruptured)



Instructional Notes

Excludes Notes ~ Question

Q68 Other congenital musculoskeletal deformities

Excludes1: reduction defects of limb(s) (Q71-Q73)

Excludes2: congenital myotonic chondrodystrophy (G71.13)

Q68.0 Congenital deformity of sternocleidomastoid muscle

Congenital contracture of sternocleidomastoid (muscle)

Congenital (sternomastoid) torticollis

Sternomastoid tumor (congenital)

Q68.1 Congenital deformity of finger(s) and hand

Congenital clubfinger

Spade-like hand (congenital)

- Question 1: Could you code Q71.62, “Lobster-claw, left hand” (which falls within the range of Q71-Q73) and “Congenital torticollis” (Q68.0) for same encounter?
- Question 2: Could you code both “Congenital torticollis” and “Congenital myotonic chondrodystrophy” (G71.13) for same encounter?



Instructional Notes

“See” Notes

- Cross reference notes are “See”, “See also”, “See condition”
- “See” – instructs you to look elsewhere
- “See also” – there is another place to look if the code is not listed here

Pain (s) (see also Painful) R52

- abdominal R10.9
- colic R10.83
- generalized R10.84
- with acute abdomen R10.0
- lower R10.30
- left quadrant R10.32
- pelvic or perineal R10.2
- periumbilical R10.33
- right quadrant R10.31
- rebound—see Tenderness, abdominal, rebound
- severe with abdominal rigidity R10.0
- tenderness—see Tenderness, abdominal
- upper R10.10
- epigastric R10.13
- left quadrant R10.12
- right quadrant R10.11
- acute R52

Tenderness, abdominal R10.819

- epigastric R10.816
- generalized R10.817
- left lower quadrant R10.814
- left upper quadrant R10.812
- periumbilic R10.815
- right lower quadrant R10.813
- right upper quadrant R10.811
- rebound R10.829
- epigastric R10.826
- generalized R10.827
- left lower quadrant R10.824
- left upper quadrant R10.822
- periumbilic R10.825
- right lower quadrant R10.823
- right upper quadrant R10.821

R10.8 Other abdominal pain

R10.81 Abdominal tenderness

Abdominal tenderness NOS

R10.811 Right upper quadrant abdominal tenderness

R10.812 Left upper quadrant abdominal tenderness

R10.813 Right lower quadrant abdominal tenderness

R10.814 Left lower quadrant abdominal tenderness

R10.815 Periumbilic abdominal tenderness

R10.816 Epigastric abdominal tenderness

R10.817 Generalized abdominal tenderness

R10.819 Abdominal tenderness, unspecified site

R10.82 Rebound abdominal tenderness

R10.821 Right upper quadrant rebound abdominal tenderness



Instructional Notes

“See” Notes

- “See condition” – means the term used to look up the diagnosis is not appropriate to identify the code
 - Example from Alphabetic Index

Palate — *see condition*

- For Cleft Palate, the condition is ‘Cleft’



Instructional Notes

“Code” Notes

- “Code First” – select a code to:
 - represent the etiology that caused the manifestation and sequence that 1st
 - provide coding sequence guidance

Hydrocephalus (acquired) (external) (internal) (malignant) (recurrent) G91.9

- aqueduct Sylvius stricture Q03.0
- causing disproportion O33.6
- - with obstructed labor O66.3
- communicating G91.0
- congenital (external) (internal) Q03.9
- in (due to)
 - - infectious disease NEC B89 [G91.4]
 - - neoplastic disease NEC (see also Neoplasm) G91.4
 - - parasitic disease B89 [G91.4]
- newborn Q03.9
- - with spina bifida —see Spina bifida, with hydrocephalus

G91 Hydrocephalus

Includes: acquired hydrocephalus

Excludes1: Arnold-Chiari syndrome with hydrocephalus (Q07.-)
congenital hydrocephalus (Q03.-)
spina bifida with hydrocephalus (Q05.-)

G91.0 Communicating hydrocephalus

Secondary normal pressure hydrocephalus

G91.1 Obstructive hydrocephalus

G91.2 (Idiopathic) normal pressure hydrocephalus

Normal pressure hydrocephalus NOS

G91.3 Post-traumatic hydrocephalus, unspecified

G91.4 Hydrocephalus in diseases classified elsewhere

Code first underlying condition, such as:
congenital syphilis (A50.4-)
neoplasm (C00-D49)

Excludes1: hydrocephalus due to congenital toxoplasmosis (P37.1)

G91.8 Other hydrocephalus

G91.9 Hydrocephalus, unspecified



Instructional Notes

“Code” Notes

- “Use Additional Code” – assign an additional secondary code
 - to identify the manifestation due to the underlying etiology
 - to provide coding sequencing guidance

Human immunodeficiency virus [HIV] disease (B20)

B20 Human immunodeficiency virus [HIV] disease

Includes: acquired immune deficiency syndrome [AIDS]
AIDS-related complex [ARC]
HIV infection, symptomatic

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)



Abbreviations

- **NEC – Not Elsewhere Classifiable**
 - Other types of specified conditions not classified anywhere else in ICD-10-CM
 - Alphabetic Index uses NEC in code descriptions to direct the coder to the Tabular List showing a ‘not elsewhere classified’ code description

Malformation (congenital) —see also Anomaly

- adrenal gland Q89.1
- affecting multiple systems with skeletal changes NEC Q87.5
- alimentary tract Q45.9
 - - specified type NEC Q45.8
 - - upper Q40.9
 - - - specified type NEC Q40.8
- aorta Q25.9
 - - atresia Q25.2
 - - coarctation (preductal) (postductal) Q25.1
 - - patent ductus arteriosus Q25.0
 - - specified type NEC Q25.4
 - - stenosis (supravalvular) Q25.3
- aortic valve Q23.9
 - - specified NEC Q23.8
- arteriovenous, aneurysmatic (congenital) Q27.30

Q23 Congenital malformations of aortic and mitral valves

Q23.0 Congenital stenosis of aortic valve

- Congenital aortic atresia
- Congenital aortic stenosis NOS

Excludes1: congenital stenosis of aortic valve in hypoplastic left heart syndrome (Q23.4)
congenital subaortic stenosis (Q24.4)
supravalvular aortic stenosis (congenital) (Q25.3)

Q23.1 Congenital insufficiency of aortic valve

- Bicuspid aortic valve
- Congenital aortic insufficiency

Q23.2 Congenital mitral stenosis

- Congenital mitral atresia

Q23.3 Congenital mitral insufficiency

Q23.4 Hypoplastic left heart syndrome

Q23.8 Other congenital malformations of aortic and mitral valves

Q23.9 Congenital malformation of aortic and mitral valves, unspecified



Abbreviations

- NOS – Not Otherwise Specified
 - Used in Alphabetic Index and Tabular List when clinical documentation is insufficient to assign a more specific code
 - Equivalent of “Unspecified”

Pain (s) (see also Painful) R52

- gastric —see Pain, abdominal
- generalized NOS R52
- genital organ
 - female N94.89
 - male N50.8
- groin —see Pain, abdominal, lower
- hand —see Pain, limb, upper
- head —see Headache

R52 Pain, unspecified

Acute pain NOS
Generalized pain NOS
Pain NOS

Excludes1: acute and chronic pain, not elsewhere classified (G89.-)
localized pain, unspecified type - code to pain by site, such as:
abdomen pain (R10.-)
back pain (M54.9)
breast pain (N64.4)
chest pain (R07.1-R07.9)
ear pain (H92.0-)
eye pain (H57.1)
headache (R51)
joint pain (M25.5-)
limb pain (M79.6-)
lumbar region pain (M54.5)
pelvic and perineal pain (R10.2)
shoulder pain (M25.51-)
spine pain (M54.-)
throat pain (R07.0)
tongue pain (K14.6)
tooth pain (K08.8)
renal colic (N23)
pain disorders exclusively related to psychological factors (F45.41)

R53 Malaise and fatigue

R53.0 Neoplastic (malignant) related fatigue



Symbols and Punctuation Marks

- Point Dash symbol ☞ .~
 - In the Alphabetical Index and Tabular List, used to indicate a code is incomplete
Membranacea placenta O43.19~
- Comma ☞ ,
 - Separate synonyms or essential modifiers follow the comma
Meningococcus, meningococcal (*see also* condition) A39.9
~ adrenalitis, hemorrhagic A39.1
- Parentheses ☞ () – used in Alphabetical Index and Tabular List
 - Placed around supplementary words that may be present or absent in the disease statement in the clinical documentation
 - These terms are known as *nonessential modifiers*
 - Nonessential modifiers do not affect code assignment
 - In tabular, used when codes are included
 - Diabetes, diabetic (mellitus) (sugar) E11.9
 - E11 Type 2 diabetes mellitus
Use additional code to identify any insulin use (Z79.4)



Punctuation Marks

- **Brackets []** ~ used in Alphabetic Index and Tabular List

- Alphabetic Index ~ identify manifestation codes

Parkinsonism (idiopathic) (primary) G20

- with neurogenic orthostatic hypotension (symptomatic) G90.3

- arteriosclerotic G21.4

- dementia G31.83 [F02.80]

-- with behavioral disturbance G31.83 [F02.81]

- Tabular List ~ enclose synonyms, alternative wordings, or explanatory phrases

B06 Rubella [German measles]

- **Colon :** ~ used in Tabular List

- Used with “Includes”, “Excludes”, “Note” or after an incomplete term that needs one or more of the modifiers following the colon to make it assignable to a given category

A85 Other viral encephalitis, not elsewhere classified

Includes: specified viral encephalomyelitis NEC
specified viral meningoencephalitis NEC

Excludes1: benign myalgic encephalomyelitis (G93.3)
encephalitis due to:
cytomegalovirus (B25.8)
herpesvirus NEC (B10.0-)



Relational Terms

- “and” ~ when used within a code title in Tabular List, means “and/or”

M24.87 Other specific joint derangements of ankle **and** foot, not elsewhere classified

M24.871 Other specific joint derangements of right **ankle**, not elsewhere classified

M24.872 Other specific joint derangements of left **ankle**, not elsewhere classified

M24.873 Other specific joint derangements of unspecified **ankle**, not elsewhere classified

M24.874 Other specific joint derangements of right **foot**, not elsewhere classified

M24.875 Other specific joint derangements left **foot**, not elsewhere classified

M24.876 Other specific joint derangements of unspecified **foot**, not elsewhere classified



Relational Terms

- “with” ~ means “associated with” or “due to”
 - Alphabetical Index ~Used in code titles; sequenced immediately following the main term (not in alphabetical order)

Obesity E66.9

- with alveolar hyperventilation E66.2
- adrenal E27.8
- complicating
 - childbirth O99.214
 - pregnancy O99.21-
 - puerperium O99.215
- constitutional E66.8

- Tabular List ~ Used in instructional notes

L71 Rosacea

Use additional code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)

L71.0 Perioral dermatitis

L71.1 Rhinophyma

L71.8 Other rosacea

L71.9 Rosacea, unspecified



Other Coding Guidelines

Default Codes

Default code – In the Alphabetic Index, a code listed next to a main term

- Condition most commonly associated with the main term; or
- Unspecified code for the condition

Trigger finger (acquired) M65.30

- congenital Q74.0
- index finger M65.32-
- little finger M65.35-
- middle finger M65.33-
- ring finger M65.34-
- thumb M65.31-

Trigonitis (bladder) (chronic) (pseudomembranous) N30.30

- with hematuria N30.31

Trigonocephaly Q75.0



Other Coding Guidelines

Combination Codes

- Combination Codes are single codes used to classify:
 - Two diagnoses
 - J35.03 Chronic tonsillitis and adenoiditis
 - Diagnosis with associated secondary process (manifestation)
 - P24.31 Neonatal aspiration of milk and regurgitated food **with** respiratory symptoms
 - Diagnosis with associated complication
 - Q05.2 Lumbar spina bifida with hydrocephalus
- Combination codes are identified by:
 - Subterm entries in Alphabetic Index
 - Instructional notes in the Tabular List
- Multiple coding should not be used when the classification provides a combination code that clearly identifies all of the elements documented in the diagnosis
- When the combination code lacks necessary specificity in describing the manifestation or complication, an additional code should be used as a secondary code



Other Coding Guidelines

First Listed Codes

- Golden Rule: List first the code for the diagnosis, condition, problem, or other reason for encounter shown in the client record to be chiefly responsible for the services provided
 - In some cases the first-listed diagnosis may be a symptom when a diagnosis has not been established/confirmed by the clinician
- List additional codes that describe any coexisting condition
 - Code all documented conditions that coexist at the time of the encounter and require or affect the client's treatment or management
 - Do not code conditions that were previously treated but no longer exist



Other Coding Guidelines

First Listed Codes

9-month old girl who was born prematurely at 32-weeks gestation. History of reflux, slow weight gain, head tilt to left. Referred for concern of delayed gross motor skills. Physical exam significant for occipital-parietal flattening on the right side (plagiocephaly) and mild torticollis. Review of systems and clinical observation show difficulties with spoon feedings. Evaluation notable for mild gross motor and fine motor delays.

- What will be the first listed diagnosis?
- What else could be listed as additional diagnoses?
- Would you code the reflux?



Other Coding Guidelines

First Listed Codes

9-month old girl who was born prematurely at 32-weeks gestation. History of reflux, slow weight gain, head tilt to left. Referred for concern of delayed gross motor skills. Physical exam significant for occipital-parietal flattening on the right side (plagiocephaly) and mild torticollis. Review of systems and clinical observation show difficulties with spoon feedings. Evaluation notable for mild gross motor and fine motor delays.

- What will be the first listed diagnosis? **Mild gross motor and fine motor delays**
- What else could be listed as additional diagnoses? **Plagiocephaly, Torticollis, difficulties with feedings**
- Would you code the reflux? **No but can code personal history of other diseases of digestive system**



Other Coding Guidelines

Diagnosis Not Established

- If the diagnosis documented for the encounter is qualified as “probable”, “suspected”, “likely”, “questionable”, “possible”, or “still to be ruled out”, etc., **DO NOT** code the condition as if it existed or was established
 - Code the condition(s) to the highest degree of certainty for that encounter, such as symptoms, signs, abnormal test results, or other reason for the visit
 - Codes from Chapter 21, Factors Influencing Health Status and Contact with Health Services, are available when there is no disease/injury
 - NOTE: This guideline is different for inpatient settings



Other Coding Guidelines

Other Codes

- Code all documented conditions that coexist at the time of the encounter/visit, and require or affect patient care treatment or management
 - Chronic diseases treated on an ongoing basis may be coded and reported as many times as the patient receives treatment and care for the condition(s)
 - History codes (categories Z80-Z87) may be used as secondary codes if the historical condition or family history has an impact on current care or influences treatment
 - Signs and symptoms that are associated routinely with a disease process should not be assigned as additional codes, unless otherwise instructed by the classification
 - Signs and symptoms that may not be associated routinely with a disease process should be coded when present



Other Coding Guidelines

Sequela (Late Effects)

- **Sequela** is the residual effect (condition produced) after the acute phase of an illness or injury has terminated

T74 Adult and child abuse, neglect and other maltreatment, confirmed

Use additional code, if applicable, to identify any associated current injury
external cause code to identify perpetrator, if known (Y07.-)

Excludes1: abuse and maltreatment in pregnancy (O9A.3-, O9A.4-, O9A.5-)
adult and child maltreatment, suspected (T76.-)

The appropriate 7th character is to be added to each code from category T74

A - initial encounter

D - subsequent encounter

S - sequela

T74.0 Neglect or abandonment, confirmed

T74.01 Adult neglect or abandonment, confirmed

T74.02 Child neglect or abandonment, confirmed

T74.1 Physical abuse, confirmed

Excludes2: sexual abuse (T74.2-)

T74.11 Adult physical abuse, confirmed

T74.12 Child physical abuse, confirmed

Excludes2: shaken infant syndrome (T74.4)

T74.2 Sexual abuse, confirmed

Rape, confirmed

Sexual assault, confirmed

T74.21 Adult sexual abuse, confirmed

T74.22 Child sexual abuse, confirmed

T74.3 Psychological abuse, confirmed

T74.31 Adult psychological abuse, confirmed

T74.32 Child psychological abuse, confirmed

T74.4 Shaken infant syndrome



Other Coding Guidelines

Sequela (Late Effects)

- There is no time limit on when a **sequela** code can be used
- The residual effect may occur early or may occur months or years later
- Two codes are generally required for **sequela**:
 - Condition or nature of the sequela is sequenced first
 - **Sequela** code is sequenced second

9 month old child is diagnosed with developmental disorder of motor functions resulting from Shaken infant syndrome that occurred at 3 months



Other Coding Guidelines

Sequela (Late Effects)

9 month old child is diagnosed with developmental disorder of motor functions resulting from Shaken infant syndrome caused by the mother that occurred at 3 months

F82	Specific developmental disorder of motor functions
T74.4xxS	Shaken infant syndrome, sequela
Y07.12	Biological mother, perpetrator of maltreatment and neglect



Unit 2 – Review Questions

True/False

1. NEC means “not elsewhere coded”
2. Terms that appear in parentheses must appear in the diagnostic statement being coded
3. AnExcludes2 note represents Not Coded Here
4. The point dash (.~) symbol indicates that the code is incomplete
5. A symptom can never be the first-listed diagnosis
6. Instructional notes never appear at the beginning of a Chapter
7. For outpatients, Possible and Rule out diagnoses are coded
8. For all codes that contain laterality, bilateral is always one of the options



Coding Steps

1. Locate the main term in the Alphabetic Index
 - For Chest Cold, Look up “Cold” then go down list to find “Chest”
2. Scan the main term entry for any instructional notes
 - “see Bronchitis” so look up “Bronchitis”
3. In the diagnosis being coded, identify any terms that modify the main term
 - Nothing under “Bronchitis J40” relates back to Chest Cold
4. Follow any cross-reference notes
5. Always verify the code in the Tabular List
 - (NOTE: **Never** begin code searches using Tabular List – will lead to coding errors!)
 - Go to J40 in the Tabular
6. Follow any instructional notes
 - Do any of the instructions apply to Chest Cold?
7. Select the code
 - J40 is the correct code



Unit 2 – Coding Exercise

*A 2-year old female is referred to the CDSA with concerns about language development. She is diagnosed as follows: **Speech and language developmental delay disorder due to hearing loss which occurred as a result of a traumatic subdural hematoma at age 6 months following a car accident.***

- What was the primary reason for the visit?
- What is the main word you will use to look up the primary reason?
- What other problems need to be coded?
- What indexes do you need to use to determine code selection?
- Code the scenario



Unit 2 – Additional Coding Exercises

Use the Coding Steps to Code the following diagnoses

#	Diagnoses	Answer
1	Speech and language developmental delay disorder due to hearing loss	
2	Microcephaly	
3	Receptive Language Disorder	
4	Delayed Milestones	
5	Lack of Coordination	
6	Down's Syndrome	
7	Autistic Disorder, Active State	
8	1-year old child with Failure to Thrive	



Questions/CEU Information

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Submit Questions to:

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Information for CEUs

<http://publichealth.nc.gov/lhd/icd10/training.htm>