

Welcome, the webinar will begin shortly...

ICD-10-CM Coding for Critical Care

**American Thoracic Society
Clinical Practice Committee Webinar**

September 16, 2015

Stephen Hoffmann, MD, FCCP

Professor of Medicine

Executive Director of Clinical Program Development

West Virginia University

Pulmonary, Allergy, Critical Care & Sleep Division



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ATS Coding and Billing Quarterly

- Quarterly newsletter for ATS members

Address coding, billing and regulation for:

- Pulmonary
- Critical Care
- Sleep

Can be found online at:

- <http://www.thoracic.org/about/newsroom/newsletters/coding-and-billing/index.php>



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Disclaimer

Advisor, CPT Editorial Panel

ATS Clinical Practice Committee, Vice-Chair and Advisory Board
Member to, *ATS Coding and Billing Quarterly* newsletter

Opinions rendered are my own.

No warranty or guarantee of fitness is made or implied.



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

October 1, 2015

Armageddon

or

Godsend



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



ICD-10-CM History

- 1983-1992 - ICD-10 developed by WHO
- 1994 - National Center for Health Statistics developed US Clinical Modification - ICD-10-CM
- 1995 – 1998 CMS developed procedure code set: ICD-10-PCS
 - Used for facility reporting of hospital inpatient procedures
- January 1, 1999 - Implemented ICD-10-CM for mortality reporting only
- January 16, 2009 Health Insurance Portability and Accountability Act (HIPAA) Administrative Simplification to Medical Data Code Set Standards - adopts ICD-10-CM



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-10-CM History

- October 1, 2011 - Last revision for ICD-9-CM
 - No changes planned for 2015
- October 1, 2013 – Implementation date - delayed
- October 1, 2014 – Implementation date - delayed
- October 1, 2015 – New implementation date
- September 30 2015 - ICD-9-CM will cease to operate at midnight



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-9-CM vs ICD-10-CM

ICD-9-CM	ICD-10-CM
3-5 characters in length	3-7 characters in length
~13,000 codes	~68,000 codes
Limited space for new codes	Flexible for adding new codes
Lacks detail	Very specific (eg. Laterality)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

21 Chapters Now...

...But Same Great Hierarchical Structure

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)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

- *Sense organs separated from nervous system disorders
- *Disorders of the Immune System Are included with “Diseases of the Blood and Blood-Forming Organs”
- *Postoperative complications moved to procedure specific body system chapter
- *Injuries grouped by anatomical site rather than injury category

ICD-10-CM Code Structure

X X X . X X X X

- Up to 7 characters (Decimal after 1st 3)
 - 1st character a letter (except “U”)
 - 2nd character a number
 - 3rd–7th characters alpha or numeric
- Characters 1-3 Category (aka family)
- Characters 4-6 Etiology, anatomic site, severity, other vital details
- Character 7 Extension
 - A - Initial encounter
 - D - Subsequent encounter
 - S - Sequela
- A code with fewer than six characters and still requires a seventh character extension – fill empty character spaces with a placeholder “X”



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

New Features

- Combination codes
- Laterality
- Episode of care
- Expanded Codes
- Inclusion of trimester in obstetrics codes
- Detail for ambulatory/managed care encounters



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-10-CM Benefits

- Flexible/Expandable
- More specificity
- Measures health care services
- Public health surveillance
- Reflects advances
- Uses current medical terminology



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-10-CM General Use

- Based on medical record documentation.
- Report to highest number of characters available
- Signs/symptoms acceptable if diagnosis not established
 - Signs/symptoms not routinely associated with disease should be coded
- Nonspecific codes are still available
- May need multiple codes to describe a single condition
- AHA/AHIMA study - much of detail already in chart



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Simple Pneumococcal Pneumonia...

...Or is it so simple



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



21 Chapters Now...

...But Same Great Hierarchical Structure

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)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Sense organs separated from nervous system disorders
Disorders of the Immune System Are included with “Diseases of the Blood and Blood-Forming Organs”
Postoperative complications moved to procedure specific body system chapter
Injuries grouped by anatomical site rather than injury category

Chapter 10

Diseases of the Respiratory System (J00-J99)

- J00-J06 Acute upper respiratory infections
- J09-J18 Influenza and pneumonia
- J20-J22 Other acute lower respiratory infections
- J30-J39 Other diseases of upper respiratory tract
- J40-J47 Chronic lower respiratory diseases
- J60-J70 Lung diseases due to external agents
- J80-J84 Other respiratory diseases principally affecting the interstitium
- J85-J86 Suppurative/necrotic conditions of the lower respiratory tract
- J90-J94 Other diseases of the pleura
- J95 Intraoperative and postprocedural complications and disorders of respiratory system, not elsewhere classified
- J96-J99 Other diseases of the respiratory system



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

- **Influenza and pneumonia (J09-J18)**
 - **Excludes2:**
 - allergic or eosinophilic pneumonia (J82)
 - aspiration pneumonia NOS (J69.0)
 - meconium pneumonia (P24.01)
 - neonatal aspiration pneumonia (P24.-)
 - pneumonia due to solids and liquids (J69.-) congenital pneumonia (P23.9)
 - lipid pneumonia (J69.1)
 - rheumatic pneumonia (I00)
 - ventilator associated pneumonia (J95.851)
- **J13 Pneumonia due to Streptococcus pneumoniae**
 - Bronchopneumonia due to S. pneumoniae
 - **Code first** associated influenza, if applicable (J09.X1, J10.0-, J11.0-)
 - **Code also** associated abscess, if applicable (J85.1)
 - **Excludes1:**
 - congenital pneumonia due to S. pneumoniae (P23.6)
 - lobar pneumonia, unspecified organism (J18.1)
 - pneumonia due to other streptococci (J15.3-J15.4)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Excludes ICD-9-CM

- Contains one type of Excludes Note with two possible meaning
- Subjective interpretation – No real instructions
 - Possible interpretation 1 - should not use a particular code for a particular condition
 - Look in a different category - the two conditions can't be coded together
 - Possible Interpretation 2 - a specific condition is not included in the code
 - May need to assign both codes



Excludes ICD-10-CM

Type 1 vs Type 2

- Excludes1 note is a pure excludes note
 - Excluded code (condition) should never be used with the code above the Excludes1 note
 - “Not Coded Here”
- Excludes2 note - condition is not included in the code
 - Excluded condition not part of the condition the code represents
 - If both conditions present - can use both codes
 - “Not included here”



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

- **Influenza and pneumonia (J09-J18)**

- **Excludes2** **NOT INCLUDED HERE:**

- allergic or eosinophilic pneumonia (J82)
- aspiration pneumonia NOS (J69.0)
- meconium pneumonia (P24.01)
- neonatal aspiration pneumonia (P24.-)
- pneumonia due to solids and liquids (J69.-) congenital pneumonia (P23.9)
- lipid pneumonia (J69.1)
- rheumatic pneumonia (I00)
- ventilator associated pneumonia (J95.851)

- **J13 Pneumonia due to Streptococcus pneumoniae**

- Bronchopneumonia due to S. pneumoniae

- **Code first** associated influenza, if applicable (J09.X1, J10.0-, J11.0-)

- **Code also** associated abscess, if applicable (J85.1)

- **Excludes1** **NOT CODED HERE:**

- congenital pneumonia due to S. pneumoniae (P23.6)
- lobar pneumonia, unspecified organism (J18.1)
- pneumonia due to other streptococci (J15.3-J15.4)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Code Also & Code First

- “Code Also” note - two codes may be required to fully describe a condition
 - No sequencing direction
- “Code First” note - code the underlying condition first



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

- **Influenza and pneumonia (J09-J18)**
 - **Excludes2:**
 - allergic or eosinophilic pneumonia (J82)
 - aspiration pneumonia NOS (J69.0)
 - meconium pneumonia (P24.01)
 - neonatal aspiration pneumonia (P24.-)
 - pneumonia due to solids and liquids (J69.-) congenital pneumonia (P23.9)
 - lipid pneumonia (J69.1)
 - rheumatic pneumonia (I00)
 - ventilator associated pneumonia (J95.851)
- **J13 Pneumonia due to Streptococcus pneumoniae**
 - Bronchopneumonia due to S. pneumoniae
 - **Code first** UNDERLYING CONDITION FIRST associated influenza, if applicable (J09.X1, J10.0-, J11.0-)
 - **Code also** TWO CODES MAYBE NEEDED associated abscess, if applicable (J85.1)
 - **Excludes1:**
 - congenital pneumonia due to S. pneumoniae (P23.6)
 - lobar pneumonia, unspecified organism (J18.1)
 - pneumonia due to other streptococci (J15.3-J15.4)



Placeholder Character

- ICD-10 uses placeholder character “X”
 - Used as a placeholder for certain codes
 - Allows for future expansion
- When indicated: “X” must be used in order for the code to be considered a valid code
- **Example**
 - T37.0x1A - poisoning by sulfamides, accidental (unintentional), initial encounter



NEC vs. NOS

- NEC – “Not elsewhere classifiable”
 - No specific code that describes the condition
- NOS – “Not Otherwise Specified”
 - AKA “Unspecified”
 - Insufficient information in the medical record to assign a more specific code



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-10-CM Cross-Walking

Mapping Categories	ICD-10 to ICD-9	ICD-9 to ICD-10
No Match	1.2%	3.0%
1-to1 Exact Match	5.0%	24.2%
1-to-1 Approximate Match with 1 Choice	82.6%	49.1%
1-to-1 Approximate Match with Multiple Choices	4.3%	18.7%
1-to-Many Match with 1 Scenario	6.6%	2.1%
1-to-Many Match with Multiple Scenarios	0.2%	2.9%



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-10-CM DOCUMENTATION IMPACTS

- Documentation must support the diagnosis code
- Disease Acuity (acute vs chronic)
- Supporting Lab Values (eg. ABGs)
- Disease or Disorder Site/Laterality
- Underlying and Associated Conditions
- Infectious Agents
- Stage/Grade Disease
- Severity
- Episodes of care (initial vs subsequent)
- Outside Influences



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Nicotine, Smoking, Tobacco & Smoke Exposure

- **ICD-9 code 305.1** (tobacco use and dependence) will transition to :
 - **F17.2** Nicotine dependence
 - **099.33** Smoking complicating pregnancy, childbirth, and the puerperium
 - **P04.2** Newborn affected by maternal use of tobacco
 - **P96.81** Exposure to environmental tobacco smoke in the perinatal period
 - **T65.2** Toxic effect of tobacco and nicotine
 - **Z57.31** Occupational exposure to environmental tobacco smoke
 - **Z71.6** Tobacco use counseling, not elsewhere classified
 - **Z72** Tobacco use not otherwise specified (NOS)
 - **Z77.2** Contact with and exposure to environmental tobacco smoke
 - **Z87.8** History of nicotine dependence



Nicotine, Smoking, Tobacco & Smoke Exposure

- **F17 Nicotine Dependence**

- F17.2 Nicotine dependence
- F17.21 Nicotine dependence, cigarettes
- F17.22 Nicotine dependence, chewing tobacco
- F17.29 Nicotine dependence, other tobacco product

- **Details**

- F17.2__ Nicotine dependence, unspecified
- F17.2__ Nicotine dependence, unspecified, uncomplicated
- F17.2__ Nicotine dependence, unspecified, in remission
- F17.2__ Nicotine dependence unspecified, with withdrawal
- F17.2__ Nicotine dependence, unspecified, with other nicotine-induced disorders
- F17.2__ Nicotine dependence, unspecified, with unspecified nicotine-induced disorders



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Critical Care



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



21 Chapters Now...

...But Same Great Hierarchical Structure...

WAIT, NO CRITICAL CARE CHAPTER

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)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Sense organs separated from nervous system disorders
Disorders of the Immune System Are included with "Diseases of the Blood and Blood-Forming Organs"
Postoperative complications moved to procedure specific body system chapter
Injuries grouped by anatomical site rather than injury category

Respiratory Failure



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



ICD-10 Acute Respiratory Documentation

- Acuity
- Presence of hypoxia or hypercapnia,
- Underlying condition(s)
- Complication(s)
- Tobacco status



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-9-CM Respiratory Failure Codes

- **518.81** Acute Respiratory Failure
- **518.82** ARDS
- **518.83** Acute & Chronic Respiratory Failure
- **518.84** Chronic Respiratory Failure



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



ICD-10-CM Respiratory Failure Codes

- **J80** ARDS
- **J96** Respiratory Failure, NEC
- **J96.0** Acute respiratory failure
 - **J96.00** ARF, unspecified for hypoxia or hypercapnia
 - **J96.01** Acute Respiratory Failure with hypoxia
 - **J96.02** Acute Respiratory Failure with hypercapnia
- **J96.1** Chronic respiratory failure
 - **J96.10** Chronic Respiratory Failure, unspecified for hypoxia or hypercapnia
 - **J96.11** Chronic Respiratory Failure with hypoxia
 - **J96.12** Chronic Respiratory Failure with hypercapnia
- **J96.2** Acute & chronic respiratory failure
 - **J96.20** Acute & Chronic Respiratory Failure, unspecified for hypoxia or hypercapnia
 - **J96.21** Acute & Chronic Respiratory Failure with hypoxia
 - **J96.22** Acute & Chronic Respiratory Failure with hypercapnia
- **J96.9** Respiratory failure, unspecified
 - **J96.90** Respiratory Failure, unspecified for hypoxia or hypercapnia
 - **J96.91** Respiratory Failure, unspecified with hypoxia
 - **J96.92** Respiratory Failure, unspecified with hypercapnia



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Respiratory Failure Coding

Case 1

A patient with pneumococcal pneumonia and profound hypoxemia is admitted to the ICU

- ICD-9-CM:

- **518.81** Acute Respiratory Failure

- **481** Pneumococcal pneumonia

- ICD-10-CM:

- **J96.01** Acute Respiratory Failure with hypoxia

- **J13** Pneumococcal pneumonia



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Respiratory Failure Coding Case 2

A patient with chronic bronchitis and emphysema on LAMA, LABA, ICS, albuterol and long-term O2 therapy is admitted to the ICU with hypercapnia and hypoxemia on mechanical ventilation.

- ICD-9-CM:

- **518.81** Acute Respiratory Failure

- ICD-10-CM:

- **J96.21** Acute & Chronic Respiratory Failure with hypoxia

- **J96.22** Acute & Chronic Respiratory Failure with hypercapnia



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Intraoperative and postprocedural complications and disorders of respiratory system, NEC (J95)

- **J95.1** Acute pulmonary insufficiency following thoracic surgery
- **J95.2** Acute pulmonary insufficiency following nonthoracic surgery
- **J95.3** Chronic pulmonary insufficiency following surgery
- **J95.4** Chemical pneumonitis due to anesthesia
- **J95.5** Postprocedural subglottic stenosis
- **J95.8** Other intraoperative and postprocedural complications and disorders of respiratory system, not elsewhere classified
 - **J95.81** Postprocedural pneumothorax and air leak
 - **J95.811** Postprocedural pneumothorax
 - **J95.812** Postprocedural air leak



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Intraoperative and postprocedural complications and disorders of respiratory system, NEC (J95)

- **J95.82** Postprocedural respiratory failure
 - **J95.821** Acute postprocedural respiratory failure
 - **J95.822** Acute and chronic postprocedural respiratory failure
- **J95.83** Postprocedural hemorrhage and hematoma of a respiratory system organ or structure following a procedure
 - **J95.830** ... a respiratory system procedure
 - **J95.831** ... other procedure
- **J95.88** Other intraoperative complication of respiratory system, NEC
- **J95.89** Other postprocedural complications and disorders of respiratory system, NEC



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Respiratory Failure Coding

Case 3

A patient develops respiratory failure following Right Upper Lobectomy for lung cancer and is moved to the ICU on mechanical ventilation.

- ICD-9-CM:

- 518.51** Acute Respiratory Failure following surgery or trauma

- ICD-10-CM:

- J95.1** Acute Respiratory Insufficiency following T-surgery



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Other ICU Respiratory Codes

- **J95.85** Complication of respirator (ventilator)
 - **J95.850** Mechanical complication of respirator (ventilator)
 - **J95.851** Ventilator associated pneumonia (add code for organism, **B95.-**, **B96.-**, **B97.-**). [ICD-9-CM **997.31.**]
 - **J95.859** Other complication of ventilator



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Respiratory Failure Coding

Case 4

A patient on mechanical ventilation for a week develops pneumonia with pseudomonas.

- ICD-9-CM:

- **997.31** Ventilator associated pneumonia
- **482.1** Pseudomonas pneumonia

- ICD-10-CM:

- **J95.851** Ventilator associated pneumonia
- **B96.5** Pseudomonas as the cause of diseases classified elsewhere



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Sepsis



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



Sepsis Documentation

- Underlying systemic infection if known
- **Severe sepsis** - documentation must state severe or show evidence of acute organ dysfunction
 - Document organ dysfunctions
 - Document relationship between **acute organ dysfunction** and sepsis
- If circulatory failure and sepsis are related - **septic shock**
 - Septic shock includes severe sepsis in its description



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Sepsis ICD-10-CM Codes

- **R65.1_** SIRS (995.90)
- **A40-41.9** Sepsis (995.91)
- **R65.20** Severe sepsis (995.92)
- **R65.21** Septic shock (785.2)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Coding of sepsis and severe sepsis

- Sepsis
 - Sepsis (without organ failure) – code systemic infection (A40.0 – A41.9)
 - If infection not specified - **A41.9**, Sepsis, unspecified organism
- Severe Sepsis (Organ Dysfunction)
 - First code underlying systemic infection
 - Second code **R65.20 Severe sepsis without septic shock**
 - Additional code(s) for the associated acute organ dysfunction
- Septic Shock
 - First code underlying systemic infection
 - Second code **R65.21 Severe sepsis with shock**
 - Additional code(s) for associated acute organ dysfunctions
- Cannot be a principal diagnosis



Sepsis (A40 – A41.9)

- A40 Streptococcal sepsis
 - A40.0 Sepsis due to streptococcus, group A
 - A40.1 Sepsis due to streptococcus, group B
 - A40.3 Sepsis due to *S. pneumoniae*
 - A40.8 Other streptococcal sepsis
 - A40.9 Streptococcal sepsis, unspecified
- A41 Other sepsis
- A41.0 Sepsis due to *S. aureus*
 - A41.01 Sepsis due to MSSA
 - A41.02 Sepsis due to MRSA
 - A41.1 Sepsis due to other specified staphylococcus
- A41.2 Sepsis due to unspecified staphylococcus
- A41.3 Sepsis due to *H. influenzae*
- A41.4 Sepsis due to anaerobes
- A41.5 Sepsis due to other Gram (-)
 - A41.50 Gram (-) sepsis, unspecified
 - A41.51 Sepsis due to *E. coli*
 - A41.52 Sepsis due to *Pseudomonas*
 - A41.53 Sepsis due to *Serratia*
 - A41.59 Other Gram-negative sepsis
- A41.8 Other specified sepsis
 - A41.81 Sepsis due to *Enterococcus*
 - A41.89 Other specified sepsis
- A41.9 Sepsis, unspecified organism



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

SIRS/Severe Sepsis/Shock (I65)

Symptoms and signs specifically associated with systemic inflammation and infection

- **R65.1_ SIRS**
 - **R65.10** SIRS of non-infectious origin without acute organ dysfunction
 - **R65.11** SIRS of non-infectious origin with acute organ dysfunction
- **R65.2_ Severe sepsis**
 - R65.20 Severe sepsis without septic shock
 - R65.21 Severe sepsis with septic shock
- **T81.12** Post-procedural septic shock
- **General**
 - Code first: underlying condition
 - Use additional code to identify specific acute organ dysfunction



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Specific Acute Organ Dysfunction

- N17._** Acute kidney failure (584.5-584.9)
- J96.0_** Acute respiratory failure (518.81)
- K72.0_** Acute Hepatic Failure (570)
- G72.81** Critical illness myopathy (359.81)
- G62.81** Critical illness polyneuropathy (357.82)
- D65** DIC (286.6)
- G93.41** Encephalopathy (metabolic, septic) (348.31)



SIRS/Sepsis Case 1

A 34-year-old man with tachycardia, tachypnea, fever but no evidence of infection. Etiology unknown

- ICD-9-CM
 - **995.90** SIRS
- ICD-10-CM
 - **R65.10** SIRS without organ dysfunction



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

SIRS/Sepsis

Case 2

- A 34-year-old man with tachycardia, tachypnea, fever from heatstroke. Worsening renal failure
- ICD-9-CM
 - **992.0** Heatstroke
 - **995.90** SIRS
 - **584.5** Acute Kidney Failure
- ICD-10-CM
 - **T67.0** Heatstroke
 - **R65.11** SIRS with organ dysfunction
 - **N17._** Acute kidney failure



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

SIRS/Sepsis

Case 3

- A 34-year-old man with tachycardia, tachypnea, fever and increased white count, secondary to *S. pneumoniae* infection. No other organ dysfunction.
- ICD-9-CM
 - **038.2** Streptococcal pneumoniae sepsis
 - **995.91** Sepsis
- ICD-10-CM
 - **A40.3** Sepsis due to *Streptococcus pneumoniae*



SIRS/Sepsis

Case 4

- A 34-year-old man with tachycardia, tachypnea, fever and increased white count, secondary to *S. pneumoniae* infection. Complicated by acute renal and liver failure. Hemodynamically stable.
- ICD-9-CM
 - **038.2** Streptococcal pneumoniae sepsis
 - **995.92** Severe Sepsis
 - **584.5** Acute kidney failure
 - **570** Acute Hepatic Failure
- ICD-10-CM
 - **A40.3** Sepsis due to *Streptococcus pneumoniae*
 - **R65.20** Severe sepsis without septic shock
 - **N17._** Acute kidney failure
 - **K72.0** Acute Hepatic Failure



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

SIRS/Sepsis

Case 5

- A 34-year-old man with tachycardia, tachypnea, fever and increased white count, secondary to *S. pneumoniae* infection. Sepsis is complicated by acute renal and liver failure. Requiring norepinephrine for BP support.
- ICD-9-CM
 - **038.2** Streptococcal pneumoniae sepsis
 - **995.92** Severe Sepsis
 - **785.2** Septic Shock
 - **584.5** Acute kidney failure
 - **570** Acute Hepatic Failure
- ICD-10-CM
 - **A40.3** Sepsis due to *Streptococcus pneumoniae*
 - **R65.21** Severe sepsis with septic shock
 - **N17._** Acute kidney failure
 - **K72.0** Acute Hepatic Failure



Shock (R57)

- **R57** Shock, not elsewhere classified
- **R57.0** Cardiogenic shock
- **R57.1** Hypovolemic shock
- **R57.8** Other shock
- **R57.9** Shock, unspecified
- **Excludes1:**
 - anaphylactic shock NOS (T78.2)
 - anaphylactic reaction or shock due to adverse food reaction (T78.0-)
 - anaphylactic shock due to adverse effect - correct drug properly administered (T88.6)
 - anaphylactic shock due to serum (T80.5-)
 - anesthetic shock (T88.3)
 - postprocedural shock (T81.1-)
 - septic shock (R65.21)
 - traumatic shock (T79.4)
 - toxic shock syndrome (A48.3)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Hypotension (I95)

- I95.0** Idiopathic hypotension
- I95.1** Orthostatic hypotension
- I95.2** Hypotension due to drugs
- I95.3** Hypotension of hemodialysis
- I95.8** Other hypotension
- I95.81** Postprocedural hypotension
- I95.89** Other hypotension
- I95.9** Hypotension, unspecified



Shock: Case 1

- A 65-year-old man with coronary artery disease, hypotension, and dyspnea requires hemodynamic monitoring. A PA catheter reveals markedly decreased CO.
- ICD-9-CM
 - **785.51** Cardiogenic Shock
- ICD-10-CM
 - **R57.0** Cardiogenic Shock



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Shock: Case 2

- A 20-year-old woman requires mechanical ventilation and vasopressor infusion for toxic shock syndrome
- ICD-9-CM
 - **040.82** Toxic Shock Syndrome
- ICD-10-CM
 - **A48.3** Toxic Shock Syndrome



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Documentation for Heart Failure

- **Specify acuity**
 - Acute, chronic, acute on chronic
- **Identify disease type**
 - **Systolic**, diastolic, combined systolic and diastolic failure
- List the relationship of **hypertension** to heart failure.
- Identify the **underlying cause**



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Heart Failure (I50)

- **I50.1** Left ventricular failure
- **I50.2** Systolic heart failure
 - **I50.20** Unspecified systolic heart failure
 - **I50.21** Acute systolic heart failure
 - **I50.22** Chronic systolic heart failure
 - **I50.23** Acute on chronic systolic heart failure
- **I50.3** Diastolic heart failure
 - **I50.30** Unspecified diastolic heart failure
 - **I50.31** Acute diastolic heart failure
 - **I50.32** Chronic diastolic heart failure
 - **I50.33** Acute on chronic diastolic heart failure
- **I50.4** Combined systolic and diastolic heart failure
 - **I50.40** Unspecified combined systolic and diastolic heart failure
 - **I50.41** Acute combined systolic and diastolic heart failure
 - **I50.42** Chronic combined systolic and diastolic heart failure
 - **I50.43** Acute on chronic combined systolic and diastolic heart failure
- **I50.9** Heart failure, unspecified



Other Respiratory Diseases Principally Affecting the Interstitium (J80-J84)

J80 Acute respiratory distress syndrome

J81 Pulmonary edema

J81.0 Acute pulmonary edema

J81.1 Chronic pulmonary edema



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



Respiratory Conditions Due to Inhalation of Chemicals, Gases, Fumes and Vapors (J68)

- **General**
 - **Code first** (T51-T65) to identify cause
 - **Use additional** code for associated respiratory conditions
- **J68.0** Bronchitis and pneumonitis due to chemicals, gases, fumes and vapors
- **J68.1** Pulmonary edema due to chemicals, gases, fumes and vapors
- **J68.2** Upper respiratory inflammation due to chemicals, gases, fumes and vapors, NEC
- **J68.3** Other acute and subacute respiratory conditions due to chemicals, gases, fumes and vapors
- **J68.4** Chronic respiratory conditions due to chemicals, gases, fumes and vapors
- **J68.8** Other respiratory conditions due to chemicals, gases, fumes and vapors
- **J68.9** Unspecified respiratory condition due to chemicals, gases, fumes and vapors



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Pneumonitis due to solids and liquids (J69)

- **J69.0** Pneumonitis due to inhalation of food and vomit
- **J69.1** Pneumonitis due to inhalation of oils and essences
- **J69.8** Pneumonitis due to inhalation of other solids and liquids
 - Pneumonitis due to aspiration of blood, detergent
 - **Code first** (T51-T65) to identify substance
- **J95.4** Postprocedural pneumonitis



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Respiratory Conditions Due to Other External Agents (J70)

- **General**
 - **Use additional** code (W88-W90, X39.0-) to identify the external cause
 - **Use additional** code for adverse effect, if applicable, to identify drug (T36-T50 with fifth or sixth character 5)
 - **Code first** (T51-T65) to identify the external agent
- **J70.0** Acute pulmonary manifestations due to radiation
- **J70.1** Chronic and other pulmonary manifestations due to radiation
- **J70.2** Acute drug-induced interstitial lung disorders
- **J70.3** Chronic drug-induced interstitial lung disorders
- **J70.4** Drug-induced interstitial lung disorders, unspecified
- **J70.5** Respiratory conditions due to smoke inhalation
- **J70.8** Respiratory conditions due to other specified external agents
- **J70.9** Respiratory conditions due to unspecified external agent



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Pulmonary Heart Disease and Diseases of the Pulmonary Circulation (I26-I28)

I26 Pulmonary embolism

- **I26.0** Pulmonary embolism with acute cor pulmonale
 - **I26.01** Septic pulmonary embolism with acute cor pulmonale
 - **I26.02** Saddle embolus of pulmonary artery with acute cor pulmonale
 - **I26.09** Other pulmonary embolism with acute cor pulmonale
- **I26.9** Pulmonary embolism without acute cor pulmonale
 - **I26.90** Septic pulmonary embolism without acute cor pulmonale
 - **I26.92** Saddle embolus of pulmonary artery without acute cor pulmonale
 - **I26.99** Other pulmonary embolism without acute cor pulmonale



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Pulmonary Heart Disease and Diseases of the Pulmonary Circulation (I26-I28)

I27 Other pulmonary heart diseases

- **I27.0** Primary pulmonary hypertension
- **I27.1** Kyphoscoliotic heart disease
- **I27.2** Other secondary pulmonary hypertension
- **I27.8** Other specified pulmonary heart diseases
- **I27.81** Cor pulmonale (chronic)
- **I27.82** Chronic pulmonary embolism
- **I27.89** Other specified pulmonary heart diseases
- **I27.9** Pulmonary heart disease, unspecified



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Coma, Altered Mental Status, Delerium

- **R40.0** Somnolence
- **R40.1** Stupor
- **R40.2** Coma
 - One code from subcategories R40.21-R40-23 required
- **R40.20** Unspecified coma
- **R40.3** Persistent vegetative state
- **R41.0** Disorientation,unspecified
 - AKA Confusion NOS, Delirium NOS
- **R41.82** Altered mental status, unspecified
- **F05** Delirium due to known physiological condition



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Coma (Severity and Timing)

- **R40.24** Glasgow coma scale, total score
 - **R40.241** GCS score 13-15
 - **R40.242** GCS score 9-12
 - **R40.243** GCS score 3-8
 - **R40.244** Other coma, without documented or with partial GCS score,
- **7th character added to subcategory R40.21_, R40.22_, R40.23_:**
 - 0 - unspecified time
 - 1 - in the field [EMT or ambulance]
 - 2 - at arrival to emergency department
 - 3 - at hospital admission
 - 4 - 24 hours or more after hospital admission
- **R40.21** Coma scale, eyes open
 - **R40.211** ...never
 - **R40.212** ... to pain
 - **R40.213** ... to sound
 - **R40.214** ... spontaneous
- **R40.22** Coma scale, best verbal response
 - **R40.221** ... none
 - **R40.222** ... incomprehensible words
 - **R40.223** ... inappropriate words
 - **R40.224** ... confused conversation
- **R40.23** Coma scale, best motor response
 - **R40.231** ... none
 - **R40.232** ... extension
 - **R40.233** ... abnormal
 - **R40.234** ... flexion withdrawal
 - **R40.235** ... localizes pain
 - **R40.236** ... obeys commands
 - **R40.225** ... oriented



Tracheostomy Related Codes J95

- **J95.0** Tracheostomy complications (519.0)
- **J95.00** Unspecified tracheostomy complication (519.00)
- **J95.01** Hemorrhage from tracheostomy stoma (519.0)
- **J95.02** Infection of tracheostomy stoma (519.01)
- **J95.03** Malfunction of tracheostomy stoma (519.02)
 - Mechanical complication of tracheostomy stoma, Obstruction of tracheostomy airway, Tracheal stenosis due to tracheostomy
- **J95.04** Tracheo-esophageal fistula following tracheostomy (519.09)
- **J95.09** Other tracheostomy complication (519.09)
- **Z93.0** Tracheostomy Status



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

Other ICU Codes

R09.02 Hypoxemia (**799.02**)

R06.89 Hypercapnia

R06.09 Dyspnea (**786.09**)

J98.11 Atelectasis **518.0**

Other pulm collapse **J98.19**

J95.84 TRALI (**518.7**)

K92.2 GI Hemorrhage, Unspecified

R93.8 Abnormal findings on diagnostic imaging (793.2)



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

ICD-10-CM Coding Resources

- **AMA:** www.ama-assn.org/go/ICD-10
- **CMS:** www.cms.gov/ICD10
- **CMS:** www.cms.gov/roadto10
- **National Center for Health Statistics (NCHS):**
www.cdc.gov/nchs/icd.htm
- **American Academy of Professional Coders (AAPC):**
www.aapc.com
- **American Hospital Association (AHA):** www.aha.org
- **American Health Information Management Association (AHIMA):** www.ahima.org



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

MAY 2015

Coding & Billing Quarterly

<http://goo.gl/YIWCiO>



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

