

ICD-10-CM for Home Health Outreach Staff Webcast #2



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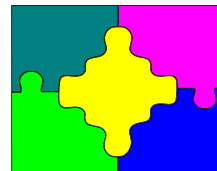
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Referral Data: Impact Overview

- **Lay the Groundwork for Comprehensive SOC Assessment**
 - Accurate Case Mix
 - Appropriate Care Plan
- **Provide Current & Historical Data**
 - All Relevant Medical Data
- **Clear Transmission of Prior Setting(s)**
- **Regulatory Foundation**
 - Communication
 - Referral Needs/Orders
 - Face to Face Encounter



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2

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Objectives



- Identify expanded medical documentation for Home Health to assign accurate ICD-10-CM diagnosis codes;
- Discuss disease specific medical documentation most pertinent to home health providers;
- Detail required medical documentation for common home health diagnosis;
- Utilize tools and tips to enhance accurate ICD-10-CM diagnosis code selection and sequencing;
- Apply ICD-10-CM to common case examples in the home health setting that requires specific documentation.

Why is Coding So Important?

- Statistical Data – Track and trend best practice variances; volume; complications; treatment patterns
- Research for Enhanced Outcomes and Treatments
- Reflects Patient Acuity for injury or illness; Plan of Care centers on Codes and Severity Indices
- Medical Necessity Determination
- PPS Payment – HHRG calculation
- Resource Allocation
- Risk Adjustment for Quality Outcomes
- Accurate Reimbursement for All Settings

Documentation is Key



- All reported codes **MUST** be supported by **physician documentation** in the medical record
- Report an updated, accurate picture of patient's health status reflected in OASIS assessments and clinical documentation
- Report diagnoses and conditions which relate to the patient's **CURRENT** plan of care
- Do **NOT** include conditions that have been resolved or no longer effect patients functioning and plan of care

Intake Is Critical Here

- Medical Documentation to Support **ALL** Diagnoses
- **Diagnosis Details**
 - Type of Disease or Injury
 - Acuity and Severity (Chronic or Acute)
 - With or without Signs and Symptoms
 - Etiology and/or manifestations of a disease
 - Laterality and anatomical location
 - With or without complications
 - External cause(s) of injury or illness
- **Specificity is Critical with ICD-10-CM**

Diabetes: A National Focus

- CMS has focused initiatives on Diabetes
- Diabetes is a national epidemic (CDC)
- ICD-10-CM codes align with the international classification systems for diabetes
- Federal mandate to diagnosis and treat earlier to prevent complications
- Increased code specificity to track and correlate with quality outcomes & costs
- Diabetes is a risk adjuster for home health quality outcomes
- *Diabetes remains case mix for Home Health*

35% of all acute hospitalizations are related DM

DM: Documentation Must-Haves

- **Type of Diabetes**
 - Type 1: Juvenile
 - Type 2: NIDDM
 - Other
 - Drug Induced
 - Post Surgical
 - Secondary
 - Gestational
 - Due to Genetic Defects
- **Treatment(s)**
 - Long Term (Current) Use of Insulin?
- **Complications and/or Manifestations**

Table 1. Classification and observations on types of diabetes mellitus

Type	Characteristic	Clinical comment
Type 1	Autoimmune, previously called juvenile or insulin-dependent diabetes mellitus	Potential association with other autoimmune diseases
Type 2	Polygenic and influenced by environment	Increasing incidence associated with higher life span and western cultural habits
Gestational	Aggressive clinical progress	May persist after pregnancy
Secondary	Side effect of medications or pancreas dysfunction (e.g.; steroids, chronic alcoholism)	Causative disease or medication may also influence ocular and lacrimal function
Genetic	Genetic defects in insulin secretion or action	Potential ocular associated malformations

More on Diabetes & Disorders

- Significant Changes to Diabetes Mellitus
- Five (5) DM Categories
 - E08 Diabetes Mellitus due to an underlying condition
 - E09 Drug or chemical induced diabetes mellitus
 - E10 Type 1 diabetes mellitus
 - E11 Type 2 diabetes mellitus
 - E13 Other specified diabetes mellitus
- Expanded Combination Codes for DM and manifestations of DM
- Updated to reflect & align current clinical classifications
- No longer classified to controlled/uncontrolled

Diabetic Code Selections

- Selection Based on Clinical Documentation
 - Default to Type 2 if Unknown
- Type of Diabetes
 - Body System Effected
 - Use of insulin
 - Complications
 - Manifestations
 - Reason for secondary diabetes mellitus
- Remember
 - Use as many codes as necessary to detail a patient's condition, including complications & manifestations

See DM Checklist

More on Manifestations

- **I-10: Can No Longer Assume DM with**
 - DM & Osteomyelitis
 - DM & Gangrene
- **Need MD Documentation**
 - **All Manifestations**
 - Cardiomyopathy
 - Nephropathy
 - Neuropathy
 - Retinopathy
 - Angiopathy
 - Diabetic Ulcer
 - Diabetic Encephalopathy
 - **All Complications (DKA; HNS; Coma; Gastroparesis;..)**



One Common Scenario

- **Patient admitted to home health with new diagnosis of Type 2 diabetes. SNV for diabetic teaching, insulin management. HTN; Hypothyroidism.**

- **ICD-9-CM**

250.00 DM
410.9 HTN
244.9 Hypothyroidism
V58.67 L-T Use Insulin

- **ICD-10-CM**

E11.9 Type 2 Diabetes mellitus without complications
I10 Essential (primary) HTN
E03.9 Hypothyroidism, unspecified
Z79.4 L-T Use of Insulin

Another DM Case Scenario

- **Patient admitted post hospitalization for foot amputation due to diabetic peripheral angiopathy; vascular disease. Insulin dependent Type 2 diabetes with gastroparesis secondary to the diabetes. COPD, hypothyroidism.**

Z47.81 Aftercare, following surgery (for) (on) amputation

E11.51 Type 2 diabetes with peripheral angiopathy

E11.43 Type 2 diabetes with gastroparesis

J44.9 COPD

E03.9 Hypothyroidism, unspecified

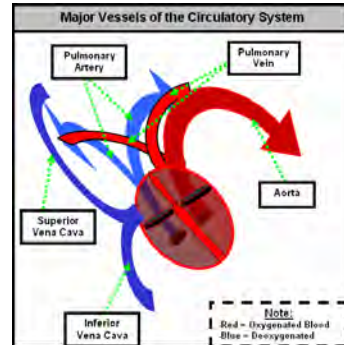
Z89.439 Absence of (complete or partial) foot (acquired)

Other DM Scenarios

- **Patient with diabetic nephrosis due to steroid use**
 - T38.0x5D poisoning by adverse effect of glucocorticoids and synthetic analogues
 - E09.21 Drug induced diabetes with kidney complications
- **Hypoinsulinemia due to postpancreatectomy**
 - E89.1 Postsurgical hypoinsulinemia
 - Use additional codes: E08; Z79.4; Z90.411
- **Diabetic amyotrophy**
 - Neurogenic muscle weakness in the hips and back
 - Early complication of diabetes
 - E11.44 Type 2 Diabetes with diabetic amyotrophy

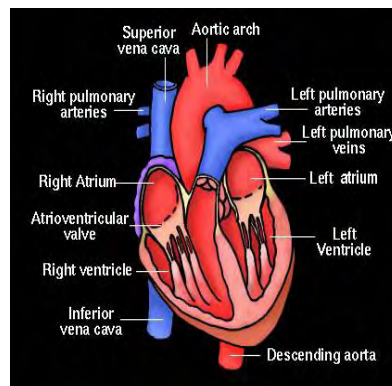
CV Diseases & Disorders

- **Valve Disorders**
 - Coded by Location & Etiology
- **Conduction Disorders**
 - Blocks; Arrhythmias
- **Ischemic Heart Disease**
 - Chronic Ischemic Heart Disease
- **Heart Failure (I50.-)**
- **Acute Myocardial Infarctions (I21.-; I22.-)**
- **Cerebrovascular Disease (I60-I69)**
 - Sequelae: Residuals Post Acute CVA I69.-



Documentation Needs

- **HTN (Assumption Code Still in Place with CKD)**
 - Includes all types of HTN except
 - HTN *due to* any condition
 - Gestational
 - Lupus
 - Other
- **Atrial Fibrillation**
 - Type
 - Paroxysmal
 - Persistent
 - Chronic
 - Fibrillation *versus* Flutter

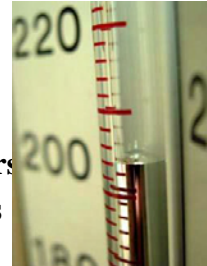


ICD-10-CM HTN

- **I10 Essential HTN**
 - Includes: Arterial; Benign; Malignant; Unspecified
- **I11.0 Hypertensive Heart Disease with Heart Failure**
 - Use additional code for heart failure I50.-
- **I11.9 Hypertensive Heart Disease without Heart Failure**
- **I12 Hypertensive CKD**
 - Use additional code for CKD (N18.-)
- **I13 Hypertensive Heart & Chronic Kidney Disease with Stage 5 CKD or End Stage Renal Disease**

More on HTN

- **I15 Secondary HTN**
 - Code also the underlying condition
 - I15.0 Renovascular HTN
 - I15.1 HTN secondary to other renal disorders
 - I15.2 HTN secondary to endocrine disorders
 - I15.8 Other secondary HTN
 - I15.9 Secondary HTN, unspecified
- **Sequencing for Secondary HTN is determined by the encounter needs**
 - Discretionary based on the Plan of Care



Case Scenario

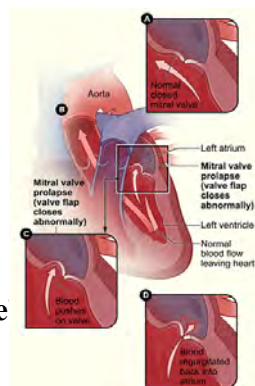
- **Patient admitted post hospitalization with a chronic nonhealing stage 3 decubitus ulcer of the right ankle. Patient is a Type 1 diabetic with peripheral vascular disease due to the diabetes. Stage 4 CKD, HTN, hypercholesterolemia, status post BKA.**
 - L89.513 Pressure ulcer, stage 3, ankle**
 - E10.51 Type 1 diabetes with peripheral angiopathy**
 - I12.9 Chronic hypertensive kidney disease (Stage 1-4)**
 - N18.4 Stage 4 (severe) CKD**
 - E78.0 Hypercholesterolemia**
 - Z89.52 Absence, limb, below the knee (acquired)**

More Case Scenarios

- **Stage III CKD, HTN, mild chronic heart failure**
 - **I12.9** Hypertensive CKD with Stage 1 through Stage 4 or unspecified CKD
 - **N18.3** CKD, Stage III (moderate)
 - **I50.9** Heart Failure, Unspecified
- **COPD; Hypertensive Heart Disease with Heart Failure; Oxygen Dependent**
 - **J44.9** Pulmonary, chronic obstructive
 - **I11.0** Hypertensive Heart Disease *with* Heart Failure
 - **I50.9** Heart Failure, unspecified
 - **Z99.81** Oxygen (long term) (supplemental)

Heart Valve Disorders

- **Stenosis**
 - Narrowing of valve orifice (calcification)
- **Prolapse**
 - Most Common Valve Disorder
 - 5-10% of population
 - Mitral Valve Prolapse (MVP)
 - “Click Murmur” or “Barlow’s Syndrome”
- **Regurgitation**
 - Valve Insufficiency
 - Does not close properly
 - Backflow



Valve Disorders

- **Documentation Needs: Valve Disorders**
 - Type of Disorder
 - Valve(s) Involved
 - Cause of disorder, if applicable
 - Congenital or non-congenital
- **I05.0** Rheumatic Mitral Stenosis
- **I05.1** Rheumatic Mitral Insufficiency
- **I07.0** Rheumatic Tricuspid Stenosis
- **I34.1** Nonrheumatic Mitral Valve Prolapse
- **I35.1** Nonrheumatic Aortic Valve Insufficiency
- **I37.0** Nonrheumatic Pulmonary Valve Stenosis

Angina: I20.0-I20.9

- **Angina Pectoris**
 - Discomfort or pain in Chest
 - Inadequate Blood Supply to the Heart
 - Early Warning Sign of AMI
- **Code Selection**
 - Based on Type of Angina
- **Other Code Guidance**
 - When using a combination code that includes atherosclerosis, it is **NOT** necessary to use an additional code for angina pectoris
 - A Causal relationship is *assumed* with atherosclerosis and angina, unless the documentation indicates otherwise

Angina Diagnoses

- **I20.0 Unstable Angina**
 - Accelerated; Crescendo; De Nove; Intermediate Coronary Syndrome; Preinfarction Syndrome; Worsening Effort Angina
- **I20.1 Angina Pectoris with Documented Spasm**
- **I20.8 Other Forms of Angina**
 - Angina equivalent; Angina of effort; Coronary slow flow syndrome; Stenocardia
- **I20.9 Angina Pectoris, Unspecified**
 - Angina NOS; Anginal syndrome; Cardiac angina; Ischemic chest pain

One Case Scenario

- Patient admitted home health with Unstable Angina, HTN, CHF, DM controlled with oral hypoglycemics.
- I20.0 Unstable Angina
- I50.9 Congestive Heart Failure NOS
- I10 Essential (Primary) Hypertension
- E11.9 Type 2 Diabetes without complications



Ischemic Heart Disease: I25

- Etiology
 - Narrowing of coronary arteries
- Code Selection
 - Location of Blockages
 - Past Medical History & Symptomatology
 - Type of Angina, if applicable
- Code Guidance
 - When using one of these combination codes it is **NOT** necessary to use an additional code for angina pectoris
 - A causal relationship is assumed with atherosclerosis and angina, unless the documentation indicates otherwise

Documentation Needs

- **Type and Complication(s)**
- **Angina Pectoris**
 - Unstable (accelerated; crescendo; intermediate coronary syndrome)
 - With Documented Spasm (angiospastic; Prinzmetal; variant)
 - Other Forms (coronary slow flow syndrome; stenocardia; ischemic chest pain)
- **ASHD + Angina**
 - CAD with Angina
 - Cause and Effect Assumed by Coder
- **Other Complications & Treatments**

Ischemic Heart Diagnoses

- **I25.10** Atherosclerotic heart disease of native artery without angina pectoris
- **I25.110** Atherosclerotic heart disease of native coronary artery with unstable angina pectoris
- **I25.111** Atherosclerotic heart disease of native artery with angina pectoris with documented spasm
- **I25.118** Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
- **I25.119** Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
- **I25.2** Old myocardial infarction
- **I25.3** Aneurysm of heart
- **I25.41** Coronary artery aneurysm

More Ischemic Heart Dx Codes

- **I25.41** Coronary artery aneurysm
- **I25.42** Coronary artery dissection
- **I25.5** Ischemic cardiomyopathy
- **I25.6** Silent myocardial ischemia
- **I25.7--**Atherosclerosis of coronary artery bypass grafts and coronary artery of transplanted heart with angina pectoris
 - See Multiple Codes Here
- **I25.8--** Other forms of chronic ischemic heart disease
 - See Multiple Codes Here
- **I25.9** Chronic ischemic heart disease, unspecified
 - *Ischemic Heart Disease (Chronic) NOS*



CHF Documentation Needs

- **Code Selection**
 - Acute/Chronic/Acute on Chronic
 - Type of Failure (Systolic; Diastolic)
 - Location: Right/Left
- **Guidelines**
 - Code etiology first if indicated
 - Heart failure following surgery: I97.13-
 - Heart Failure due to HTN: I11.0
 - Rheumatic Heart Failure: I09.81
- **Heart Failure Should Always Listed in First 6 Diagnoses for Home Care**



Common HF Diagnoses

- **I50.1 Left Ventricular Failure**
- **I50.20 Unspecified systolic (congestive) HF**
- **I50.21 Acute systolic (congestive) HF**
- **I50.22 Chronic systolic (congestive) HF**
- **I50.23 Acute on chronic systolic (congestive) HF**
- **I50.9 Heart Failure, unspecified**
- **I50.30 Unspecified diastolic (congestive) HF**
- **I50.31 Acute diastolic (congestive) HF**
- **I50.32 Chronic diastolic (congestive) HF**
- **I50.33 Acute on chronic diastolic (congestive) HF**

MI Documentation Needs

- **Date of MI is Critical**
- **Date of Sequential MI is Critical**
- **Acute MI = 4 weeks (28 days)**
- **Type of MI**
 - **STEMI**
 - Anterior wall (left main coronary artery; left anterior descending coronary, other)
 - Inferior wall (right coronary artery. Other)
 - Other sites (Circumflex)
 - **Non-STEMI**
 - Subendocardial MI; Transmural MI
- **STEMI to NSTEMI: Due to thrombolytic therapy**



AMI Diagnosis Codes

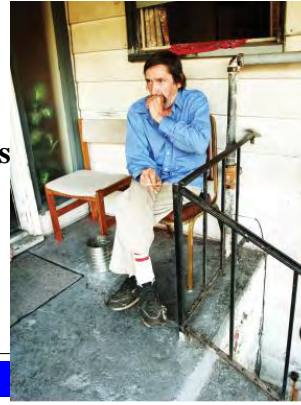
- I21.01 ST elevation MI involving the left main coronary artery
- I21.02 ST elevation MI involving the left anterior descending coronary artery
- I21.09 ST elevation MI involving other coronary artery of anterior wall
- I21.11 ST elevation MI involving right coronary artery
- I21.19 ST elevation MI involving other coronary artery of inferior wall
- I21.21 ST elevation MI involving left circumflex coronary artery
- I21.9 ST elevation MI involving other sites

More AMI Diagnosis Codes

- I21.3 ST elevation MI of unspecified site
- I21.4 Non-ST elevation MI
- I22.0 Subsequent ST elevation MI of anterior wall
- I22.1 Subsequent ST elevation MI of inferior wall
- I22.2 Subsequent ST elevation MI myocardial infarction
- I22.8 Subsequent ST elevation MI of other sites
- I22.9 Subsequent ST elevation MI of unspecified site
- **Remember:** Use the I22 codes for a patient who has a second MI within the 4 week timeframe of the initial AMI

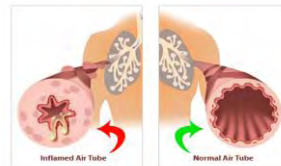
Pulmonary Disease

- **COPD is a Primary or Secondary Diagnosis for over 20% of all Home Care Patients**
- COPD, is a no longer a case mix diagnosis for home health
- COPD is a chronic disease that impacts every home health Plan of Care – *without exception*
- COPD impacts Acute Hospitalization and Emergent Care Rates
 - Higher Risk of Uncontrolled Symptoms
 - Higher Risk of Falls
 - Higher Risk of Infections
 - Higher Risk of Complications



Documentation Needs

- **COPD versus Emphysema**
 - Acute or Chronic
 - Infections agent (Streptococcus; Coxsackie virus; Mononucleosis; etc.) if indicated
- **Asthma**
 - Mild, moderate or severe
 - Intermittent or Persistent
 - Uncomplicated, with exacerbation, with status asthmaticus
 - Exposure to tobacco smoke
- **Pneumonia**
 - Vital or bacterial; Causal Agent
 - Anatomical location (Lobular; bronchopneumonia)



COPD Diagnosis Examples

- **J44: Other chronic obstructive pulmonary disease**
 - *Code also type of asthma*
 - *Use additional codes as well*
- **J44.0 Chronic obstructive pulmonary disease with acute lower respiratory infection**
 - *Use additional code to identify the infection*
- **J44.1 Chronic obstructive pulmonary disease with (acute) exacerbation**
 - **Decompensated COPD**
- **J44.9 Chronic obstructive pulmonary disease, unspecified (COPD NOS)**

Emphysema

- **J43 Emphysema**
 - **Use additional code to identify**
 - Exposure to environmental tobacco smoke (Z77.22)
 - Exposure to tobacco smoke in the perinatal period (Z96.81)
 - History of tobacco use (Z87.891)
 - Occupational exposure to environmental tobacco smoke (Z57.31)
 - Tobacco dependence (F17-)
 - Tobacco use (Z72.0)
- **J43.0 Unilateral pulmonary emphysema (MacLeod's Syndrome)**
- **J43.1 Panlobular emphysema**
- **J43.2 Centrilobular emphysema**
- **J43.8 Other emphysema**
- **J43.9 Emphysema, unspecified**



Asthma Diagnosis Examples

■ Documentation Needs

- Severity of disease
- Whether acute exacerbation exists
- Whether status asthmaticus exists
- Code additional codes as indicated

- J45.20 Mild intermittent asthma, uncomplicated
- J45.21 Mild intermittent asthma with (acute) exacerbation
- J45.22 Mild intermittent asthma with status asthmaticus
- J45.32 Mild persistent asthma with status asthmaticus
- J45.901 Unspecified asthma with (acute) exacerbation
- J45.902 Unspecified asthma with status asthmaticus
- J45.909 Unspecified asthma, uncomplicated

Common Case Scenario

- Patient admitted post hospitalization for acute transmural anterior wall STEMI. Parkinson's; asthma; diabetes controlled by oral hypoglycemics.

I21.09 ST elevation (STEMI) MI involving other coronary artery of anterior wall

G20 Parkinson's Disease

J45.909 Unspecified Asthma, uncomplicated

E11.9 Diabetes, Type 2



Pharyngitis & Pneumonia

- **Pharyngitis**
 - Acute or Chronic
 - Infectious Agent (Streptococcus; coxsackie virus; mononucleosis;...)
- **Pneumonia**
 - Viral or Bacterial
 - Causal Organism (E.Coli; MRSA;..)
 - Anatomical Location
 - Lobular
 - Bronchopneumonia
- **Treatment(s)**



Pneumonia Specificity

- **J12 Viral Pneumonia, not elsewhere classified**
 - *Code first associated influenza, if applicable*
- **JJ13 Pneumonia due to Streptococcus pneumonias**
- **J14 Pneumonia due to Hemophilus influenzae**
- **J15.0 Pneumonia due to Klebsiella pnemoniae**
- **J15.1 Pneumonia due to Pseudomonas**
- **J15.211 Pneumonia due to Methicillin susceptible Staphylococcus aureus**
- **J15.212 Pneumonia due to Methicillin resistant Staphylococcus aureus**
- **J18.0 Bronchopneumonia, unspecified organism**
- **J18.9 Pneumonia, unspecified organism**

Case Scenario

- Patient has pneumonia due to Hemophilus influenza. Chronic obstructive lung disease with lower respiratory infection; Nicotine dependence

J14 Pneumonia due to Hemophilus influenza

J44.0 Chronic obstructive pulmonary disease with lower respiratory infection

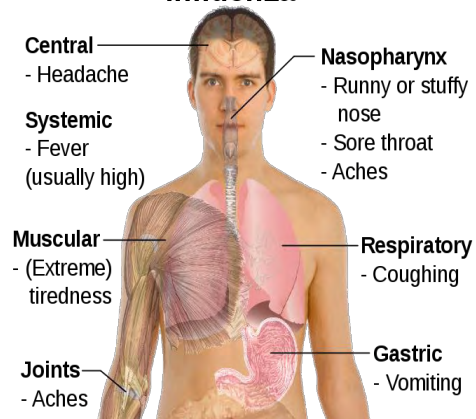
F17.218 Nicotine dependence, cigarettes, with other nicotine induced disorders

Document Infectious Agent If Known

Flu Season is Here

- **Causes**
 - Viruses
- **Types**
 - Two Main Types
 - Type A (includes H1N1)
 - Type B (less common)
- **Code Selection**
 - Virus
 - Manifestation(s)
- **Remember**
 - Code Guidelines: Clear diagnostic statements
 - Default Code: **J11.1** (*Influenza NOS*)

Symptoms of Influenza



Documentation Needs

- **Influenza**
 - **Influenza due to certain identified viruses**
 - Only confirmed cases of influenza due to certain influenza viruses are reported
 - **Influenza due to certain unidentified viruses**
 - “Probable”, “Suspected”, “Possible”
 - J11.1 Influenza due to unidentified influenza virus with gastrointestinal manifestations
- **Manifestations or Complications of Influenza**
 - **GI Symptoms**
 - **Respiratory conditions**
 - **Pneumonia**

Influenza Diagnosis Examples

- **J09.x1 Influenza due to identified novel influenza A virus with pneumonia**
- **J09.x2 Influenza due to identified novel influenza A virus with other respiratory manifestations**
- **J09.x3 Influenza due to identified novel influenza A virus with gastrointestinal manifestations**
- **J09.X9 Influenza due to identified novel influenza A virus with other manifestations**
- **J10.1 Influenza due to other identified influenza virus with respiratory manifestations**
- **J10.89 Influenza due to other influenza virus with other manifestations**

More on Influenza Data

- **Multiple Codes may be used to report a case of influenza**
 - **J09: Use additional codes for manifestations**
 - J85.1 lung abscess
 - J91.8 pleural effusion
 - J01.- sinusitis
 - **J10: Use additional code to identify virus**
 - Code also type of pneumonia
 - Use additional codes for manifestations
- **Influenza may be a primary *or* secondary diagnosis, depending on the Plan of Care**
- **Coders *MUST* read ALL instructional notes**

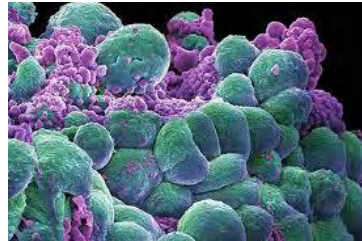
Common Case Scenarios

- **Acute bronchitis due to Streptococcus A; mild chronic heart failure**
 - J20.2 Acute bronchitis due to streptococcus
 - I50.9 Heart Failure, Unspecified
- **Influenza due to other identified influenza virus with otitis media; Hypertensive Heart Disease with Heart Failure; Oxygen Dependent**
 - J10.83 Influenza due to other identified influenza virus with otitis media
 - I11.0 Hypertensive Heart Disease *with* Heart Failure
 - I50.9 Heart Failure, unspecified
 - Z99.81 Oxygen (long term) (supplemental)

Neoplasms

■ Neoplasm Terminology

- Malignant Primary
- Malignant Secondary (metastatic)
- Ca In Situ
- Benign
- Uncertain behavior
- Unspecified behavior



■ Anatomical Specificity

- Specific anatomical location is key
- Lung Cancer: (Which lung?; Which lobe?)
- Breast Cancer: (Which breast?; Which quadrant?)

Malignant Neoplasms

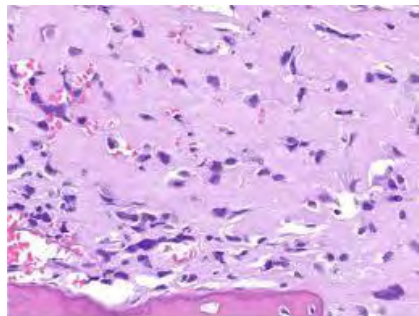
■ Type (Topography) and Site

■ Primary

- Melanomas
- Merkel cell carcinomas
- Mesotheliomas

■ Excludes

- Neuroendocrine tumors
- Lymphoid
- Hemapoietic (ex. Hodgkin's Lymphoma)



■ Example: Adenocarcinoma of Transverse Colon

- Specific Type; Specific Location

More on Neoplasms

■ Leukemia

- Type
 - Lymphoid; myelomonocytic; promyelocytic; erythroid; mast cell;
- Current *or* In Remission
- In Relapse

■ Lymphoma

- Type
 - Nodular lymphocyte predominant; nodular sclerosis classical; mixed cellularity classical; lymphocyte-depleted classical; lymphocyte-rich
 - What Location?

■ Treatment Options & Plans

Skin Cancer

■ Type

- Basal Cell Carcinoma
- Squamous Cell Carcinoma
- Carcinoma in situ
- Melanoma in-situ



■ Anatomical Location & Laterality

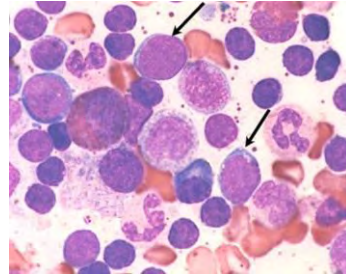
- Right or left
- Forearm; Shoulder; Face; etc.....

■ Site Specific

- For diagnosis In-Situ and/or Melanomas

Anemia

- **Anemia**
 - Type
 - Chronic *or* Acute
 - Treatment(s)
- **Anemia *and* Malignancy**
 - Type & Site of Cancer
 - Anemia “due to” or “because of”
- **Anemia as Adverse Effect of Chemotherapy and/or Treatment**
- **Nutritional Deficits**
- **Treatment(s)**



More on Chemo Impact

- **Adverse Effect of Chemotherapy**
 - **Documentation Must Include**
 - Adverse Effect: Sign or Symptom
 - Drug or Therapy: Chemotherapy or Radiation
 - Reason for Therapy: Cancer (Type; Location; Laterality)
- **One Example**
 - **Fever and chills due to adverse effect of chemotherapy, carcinoma of the pancreas**
 - R50.9 Fever, unspecified
 - T45.1x5D Adverse effect of antineoplastic and immunosuppressive drugs, subsequent encounter
 - C25.9 Malignant neoplasm of pancreas, unspecified

Case Scenario

- **Elderly debilitated patient with left breast carcinoma. Secondary malignant neoplasm of the liver. Severe anemia secondary to malignancy. Refuses treatment. Cachexic. Pain secondary to malignancy. DNR.**
- **Primary: C50.912 Malignant neoplasm of unspecified site of left female breast**
- **Secondary: C78.7 Secondary neoplasm of the liver
D63.0 Anemia secondary to neoplasm
G89.3 Neoplasm Pain
R64 Cachexia
Z66 DNR**

Bottom Line on I-10-CM Diagnoses

- **MD Documentation is Critical**
 - Etiology
 - Complications
 - Manifestations
 - Treatments
- **Pain**
 - Site specific
 - Cause (Neoplasm; Trauma; Chronic; Other)
- **Dementia**
 - Identify cause if known (Alzheimer's; Parkinson's...)
 - If cause is not known
 - Identify behavior Issues (wandering; irritation; combative...)

Pain

- **Site –Specific Pain (Acute *or* Chronic?)**
 - **Location & Laterality**
 - Cervicalgia
 - Left or Right Knee
 - RUQ Abdomen
- **Pain due to Neoplasm**
 - What Type of Cancer?
 - Location & Laterality
- **Chronic Pain Syndrome**
- **Pain due to Trauma**
 - What Kind of Trauma?
 - Fracture or Contusion? Cause?



Case Scenarios

- **Patient has acute neck pain secondary to falling down stairs.**
 - G89.11 Acute Pain due to Trauma**
 - M54.2 Cervicalgia**
 - W10.9xxD Fall on or from unspecified steps/stairs**
- **Patient has neoplasm pain secondary to liver cancer.**
- **G89.3 Neoplasm Pain**
- **C22.9 Malignant neoplasm of the liver, not specified as primary or secondary**

Back Pain

- **Documentation Needs: Specificity**
 - Lumbago or Lower Back Pain
 - Pain due to Intervertebral Disc Disorder
 - Site of Spine?
 - Associated radiculopathy, myelopathy, other complications and/or manifestations
- **Back and Flank Pain**
 - Other manifestations *and* complications
 - Pregnancy
 - Kidney Stone
 - UTI



Urinary Tract Infection (UTI)

- **Cystitis (Kidney or Bladder Infection)**
 - Acute *or* Chronic
 - With/without Hematuria
 - By Type: Interstitial; Trigonitis; Irradiation
- **UTI**
 - Only used when site is not identified
 - Explore additional data to identify infectious agent
- **CKD Specificity**
 - Stage (1-5 or ESRD)
 - Mild (Stage 2); Moderate (Stage 3); Severe (Stage4)
 - Is patient on Dialysis?

Alzheimer's Specificity

- **ICD-10-CM Tabular Instructions**
 - “Use additional code”
 - **MUST** Code Dementia with or without behavioral disturbance with Alzheimer's Disease
- **G30 Series**
 - G30.0 Alzheimer's disease with **early onset**
 - G30.1 Alzheimer's disease with **late onset**
 - G30.8 Other Alzheimer's disease
 - **G30.9** Unspecified Alzheimer's Disease
- **Follow Physician Documentation for Onset**
 - Code G30.9 when no specific documentation exists about the age of disease onset

Case Scenario

- **72 year old male admitted Home Health with primary dx of anemia secondary to lung cancer. Alzheimer's with late onset. History of tobacco use.**
 - C34.90 Malignant neoplasm of unspecified part of unspecified bronchus or lung**
 - D63.0 Anemia in neoplastic disease**
 - G30.1 Alzheimer's Disease with Late Onset**
 - F02.80 Dementia in other diseases classified elsewhere without behavioral disturbance**
 - Z87.891 History of tobacco use**

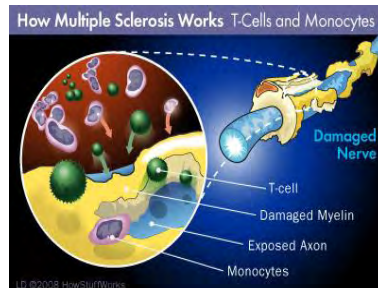
Common Case Scenario

- Patient post hospitalization for end stage COPD. Daughter is caregiver. Patient has dementia with increased behavioral disturbance, including wandering. HTN.
- J44.1 COPD, end stage
- **F03.91** Dementia, unspecified, with behavioral disturbance
- I10 HTN
- Z91.83 Wandering in diseases classified elsewhere



Multiple Sclerosis: G35

- **Multiple Sclerosis**
 - Demyelinating Disease of the Central Nervous System
- **MS G35 Includes:**
 - Disseminated multiple sclerosis
 - Generalized multiple sclerosis
 - Multiple sclerosis NOS
 - Multiple sclerosis of brain stem
 - Multiple sclerosis of cord
- **Primary or Secondary Diagnosis**
- **List all Pertinent Diagnoses on Plan of Care**
- **Resources: National MS Society**

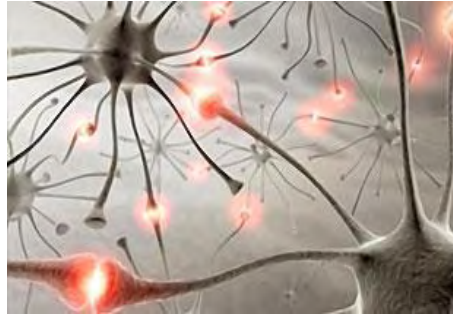


Epilepsy: G40

- **Brain Disorder in which clusters of brain cells send abnormal signals to the body**

- **Causes**

- Trauma
- Congenital
- Drug induced
- Other



- **Code Selection**

- Type of Epilepsy
- Intractable or not intractable
- With *or* without status epilepticus

ICD-10-CM Epilepsy Examples

- G40 Epilepsy and recurrent seizures
- G40.001 Localization-related (focal)(partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, with status epilepticus
- G40.009 Localization-related (focal)(partial) idiopathic epilepsy and epileptic syndromes with seizures of localized onset, not intractable, without status epilepticus
- G40.101 Localization-related (focal)(partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures not intractable, with status epilepticus
- G40.109 Localization-related (focal)(partial) symptomatic epilepsy and epileptic syndromes with simple partial seizures not intractable, without status epilepticus

CP & Other Paralytic Syndromes

- **Cerebral Palsy**
 - Usually appears before the age of 3
 - Underdeveloped or damaged brain cells impact movement, learning, hearing, sight, and thinking
- **Hemiplegia**
 - Complete paralysis of one entire side of body
 - Congenital *or* acquired
- **Paraplegia**
 - Paralysis of lower extremities
 - Acquired *or* congenital
- **Monoplegia**
 - Paralysis of one limb

More Diagnosis Examples

- G81.90 Hemiplegia, unspecified affecting unspecified site
- G81.91 Hemiplegia, unspecified affecting right dominant side
- G81.92 Hemiplegia, unspecified affecting left dominant side
- G81.93 Hemiplegia, unspecified affecting right nondominant
- **G82.20** Paraplegia, unspecified
- G82.21 Paraplegia, complete
- G82.22 Paraplegia, incomplete
- **G82.50** Quadriplegia, unspecified
- G82.51 Quadriplegia, C1-C4 complete
- G82.52 Quadriplegia, C1-C4 incomplete
- G82.53 Quadriplegia, C5-C7 complete
- G82.54 Quadriplegia, C5-C7 incomplete

Obstetrics

■ Requires Documentation

- Final character for trimester of pregnancy
- Trimester based on provider documentation
- Routine Outpatient Prenatal Visits: Z34
- Routine Prenatal for High Risk Pregnancies: O09

■ Diagnosis Code Guidelines

- Pre-existing conditions *versus* conditions due to the pregnancy: *Follow Manual Instructions*
 - Gestational Diabetes versus Diabetes mellitus prior to pregnancy (O24)
 - Pre-existing HTN complicating pregnancy (O10)
- Post Partum Complications: 6 weeks
- Pregnancy Associated Cardiomyopathy: O93.3
- Sequelae of Pregnancy: O94

Complications or Status

■ Alcohol and/or tobacco use during pregnancy, childbirth and puerperium

- O99.31 Alcohol use during pregnancy.....
- Code also F10- to indicate Alcohol related disorders, to identify manifestations of alcohol use
- O99.33 Smoking (tobacco) complicating pregnancy.....
 - Assign for any mother who uses tobacco products during pregnancy
 - Code also F17, nicotine dependence OR Z72.0, tobacco use

■ HIV Status

- O98.7- HIV related illness complicating pregnancy..
- Z21 Asymptomatic HIV infection status

One Case Scenario

- **Patient seen with a gestation period of 29 weeks, for gestational diabetes. She requires close monitoring of her blood sugars for the possibility of starting insulin.**
- **O24.410** Gestational diabetes mellitus in pregnancy, diet controlled
- **O09.893** Supervision of other high risk pregnancies, third trimester



More Case Scenarios

- **36 year old G2P1 woman admitted is now 26 weeks pregnant and being seen for gestational hypertension.**
 - O13.2 Pregnancy complicated by HTN
 - O09.522 Single pregnancy, elderly, multigravida
 - Z3A.26 Single pregnancy, 26 weeks gestation
- **16 week pregnancy with mild hyperemesis and UTI, E.Coli.**
 - O21.0 Hyperemesis, pregnancy
 - O23.42 Pregnancy complicated by urinary infection
 - B96.20 Infection, E.coli
 - Z3A.16 Pregnancy, 16 weeks gestation

Many ICD-10 Challenges

- **Documentation Needs**
 - Requires *increased specificity* in the clinical documentation
- **Specific Documentation Needs**
 - *Laterality; Severity; Specific Affected site; Clinical Specificity*
 - **Examples:**
 - Atherosclerotic heart disease heart disease of native coronary artery with unstable angina pectoris (I25.110)
 - Rheumatic aortic valve diseases (I06)
 - STEMI MI involving left anterior descending coronary artery (I21.02)
 - Hemiplegia & hemiparesis following cerebral infarction affecting right dominant side (I69.351)

Clinicians: Increased A & P for 2015 and Beyond

Agency Risk Areas: ICD-10

- **Reimbursement Issues: Backlogs; Claims Denials**
- **Allocating Adequate ICD-10-CM Resources**
 - Dual Coding and Testing
 - Monitoring and Compliance Oversight
- **Adequate Systemic Implementation Planning**
 - Comprehensive Agency ICD-10 Assessment
 - Monitor Vendor and Partner Preparedness
- **Lack of Access to Precise Physician Documentation**
 - Ensure Accurate ICD-10 Code Assignment
- **Specialty Resource Access During Transition**
 - Oversight and Monitoring of ICD-10 Compliance and Impact



Resource Web Sites

www.cms.hhs.gov
Centers for Medicare & Medicaid Services
PPS Federal Register

www.cdc.gov
Centers for Disease Control
Official ICD-9-CM Code Guidelines

www.ahima.org
AHIMA (American Health Information Management Association)

www.cms.hhs.gov/HomeHealthQualityInits/12_HHQIOOASISUSERManual.asp
OASIS User's Manual Revised 12/12

www.medicalspecialtycoding.com
Board of Advanced Medical Coding



Available Education Programs as Webcasts and DVDs

- **Corporate Compliance in the Home Health Setting**
- **HIPAA and What It Means for Home Health Providers**
- **Care of the Geriatric Patient**
- **Abuse and Neglect: Your Care Responsibilities**
- **Advanced Directives**
- **Infection Control for Home Care and Hospice**
- **Care for the Patient with Dementia**
- **Home Safety**
- **Clinical Documentation**
- **Disease Management and Special Diets**
- **Personal Safety and Violence in the Workplace**

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SAMPLE ICD-10-CM DIABETES CROSSWALK

ICD-9-CM Diagnoses	ICD-10-CM Code Equivalent(s)
250.00 Diabetes mellitus without mention of complication, type II or unspecified type, not stated as uncontrolled	E11.9 Type 2 diabetes mellitus without complications E13.9 Other specified diabetes mellitus without complications
250.01 Diabetes mellitus without mention of complication, type 1 (juvenile type), not stated as uncontrolled	E10.9 Type 1 diabetes mellitus without complications
250.02 Diabetes mellitus without mention of complication, type II or unspecified type, uncontrolled	E11.65 Type 2 diabetes mellitus with hyperglycemia
250.03 Diabetes mellitus without mention of complication, type 1, stated as uncontrolled	E10.65 Type 1 diabetes with hyperglycemia
250.40 Diabetes with renal manifestations, type 2 or unspecified, not stated as uncontrolled	E11.21 Type 2 diabetes mellitus with diabetic nephropathy E11.22 Type 2 diabetes with diabetic chronic kidney disease E11.29 Type 2 diabetes with other diabetic kidney complications E13.21-E13.29 Reference Code Manual for Details
250.50 Diabetes with ophthalmic manifestations, type 2 or unspecified type, not stated as uncontrolled	E11.311 Type 2 diabetes mellitus with unspecified retinopathy with macular edema E11.319 Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema E11.321 Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema E11.329 - E11.39 Reference Code Manual for Details
250.60 Diabetes with neurological manifestations, type 2 or unspecified, not stated as uncontrolled	E11.40 Type 2 diabetes mellitus with diabetic neuropathy, unspecified E11.41 Type 2 diabetes mellitus with diabetic mononeuropathy E11.42 Type 2 diabetes mellitus with diabetic polyneuropathy E11.43 Type 2 diabetes mellitus with diabetic autonomic (poly) neuropathy E11.44 Type 2 diabetes mellitus with diabetic amyotrophy E11.49 Type 2 diabetes mellitus with other diabetic neurological complication E11.610 Type 2 diabetes mellitus with diabetic neuropathic arthropathy E13.40 - E13.610 See Code Manual Details

ICD-9-CM Diagnoses	ICD-10-CM Code Equivalent(s)
250.70 Diabetes with peripheral circulatory disorders, type 2 or unspecified type, not stated as uncontrolled	E11.51 Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene E11.52 Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene E11.59 Type 2 diabetes mellitus with other circulatory complications E13.51 - E13.59 See Code Manual
250.80 Diabetes with other specified manifestations, type 2 or unspecified type, not stated as uncontrolled	E11.618 Type 2 diabetes with other diabetic arthropathy E11.620 Type 2 diabetes with diabetic dermatitis E11.621 type 2 diabetes with foot ulcer E11.622 Type 2 diabetes with other skin ulcer E11.628 Type 2 diabetes with other skin complications E11.630 Type 2 diabetes with periodontal disease E11.638 Type 2 diabetes with other oral complications E11.649 Type 2 diabetes with hypoglycemia without coma E11.65 Type 2 diabetes with hyperglycemia E11.69 Type 2 diabetes with other specified complication E13.618 - E13.69 See Code Manual
250.81 Diabetes with other specified manifestations, type 1 (juvenile type), not stated as uncontrolled	E10.618 Type 1 diabetes mellitus with other diabetic arthropathy E10.620 Type 1 diabetes mellitus with diabetic dermatitis E10.621 Type 1 diabetes mellitus with foot ulcer E10.622 Type 1 diabetes mellitus with other skin ulcer E10.628 Type 1 diabetes mellitus with other skin complications E10.630 Type 1 diabetes mellitus with periodontal disease E10.638 Type 1 diabetes mellitus with other oral complications E10.649 Type 1 diabetes mellitus with hypoglycemia E10.65 Type 1 diabetes mellitus with hyperglycemia E10.69 Type 1 diabetes mellitus with other unspecified complications
250.90 Diabetes with unspecified complication, type 2 or unspecified type, not stated as uncontrolled	E11.8 Type 2 diabetes with unspecified complications E13.8 Other specified diabetes mellitus with unspecified complications
250.91 Diabetes with unspecified complication, type 1 (juvenile type), not stated as uncontrolled	E10.8 Type 1 diabetes mellitus with unspecified complications

ICD-10-CM SAMPLE CROSSWALK

ICD-9-CM Diagnoses	ICD-10-CM Code Equivalent(s)	Additional Information
V54.81 Aftercare following Joint replacement	Z47.1 Aftercare following Joint Replacement Therapy	Identical
781.2 Abnormal Gait	R26.0 Ataxic Gait R26.1 Paralytic Gait R26.89 Other Abnormalities of Gait & Mobility R26.9 Unspecified Abnormalities of Gait & Mobility	Approximate
728.87 Generalized Muscle Weakness	M62.81 Muscle Weakness, Generalized	Identical
V15.88 History of Falls	Z91.81 History of Falls	Identical
428.0 Congestive Heart Failure	I50.9 Heart Failure, Unspecified	Approximate
401.9 Essential Hypertension, Unspecified	I10 Essential (Primary) Hypertension	Approximate
427.31 Atrial Fib	I48.0 Atrial Fibrillation	Identical
496 COPD NOS	J44.9 Chronic Obstructive Pulmonary Disease, Unspecified	Approximate
491.21 Obstructive Chronic Bronchitis with Acute Exacerbation	J44.1 Chronic Obstructive Pulmonary Disease with Acute Exacerbation	Approximate
492.8 Emphysema	J43.9 Emphysema, Unspecified	Identical
486 Pneumonia	J18.0 Bronchopneumonia, unspecified organism J18.1 Lobar pneumonia, unspecified organism J18.2 Hypostatic pneumonia, unspecified organism J18.8 Other pneumonia, unspecified organism J18.9 Pneumonia, unspecified organism	Approximate
311 Depression	F32.9 Depression NOS	Approximate
300.00 Anxiety	F41.9 Anxiety Disorder, Unspecified	Identical
331.0 Alzheimer's Disease	G30.9 Alzheimer's Disease, Unspecified	Approximate
332.0 Parkinson's Disease NOS	G20 Parkinson's Disease	Approximate

ICD-9-CM Diagnoses	ICD-10-CM Code Equivalent(s)	Additional Information
340 MS	G35 Multiple Sclerosis	Identical
290.0 Senile Dementia	F03 Unspecified Dementia	Approximate
294.10 Dementia in diseases classified elsewhere without behavioral changes	F02.80 Dementia in other diseases classified elsewhere without behavioral changes	Identical
294.11 Dementia in diseases classified elsewhere, with behavioral changes	F02.81 Dementia in other diseases classified elsewhere with behavioral changes	Identical
599.0 Urinary Tract Infection, Site Not Specified	N39.0 Urinary Tract Infection, Site Not Specified N30.00 Acute cystitis without hematuria	Identical
596.54 Neurogenic Bladder	N31.9 Neuromuscular dysfunction of bladder, unspecified	Identical
585.9 CKD, Unspecified	N18.9 CKD, Unspecified	Identical
585.6 ESRD	N18.6 End Stage Renal Disease	Z99.2 Additional Code for Dialysis Status
438.21 CVA with dominant Hemiplegia	I69.351 Hemiplegia and Hemiparesis affecting right dominant side I69.352 Hemiplegia and Hemiparesis affecting left dominant side I69.353 Hemiplegia and Hemiparesis affecting right non dominant side I69.354 Hemiplegia and Hemiparesis affecting left non dominant side	Approximate
438.82 CVA with Dysphagia	I69.391 Dysphagia following cerebral infarction	Use additional code for dysphagia R13.1-
787.20 Dysphagia	R13.10 Dysphagia, Unspecified	Approximate
530.81 GERD	K21.0 Gastro-esophageal reflux disease with esophagitis K21.9.....without esophagitis	Identical

ICD-9-CM Diagnoses	ICD-10-CM Code Equivalent(s)	Additional Information
250.00 Diabetes Mellitus without mention of complication, Type 2 or Unspecified Type, not stated as uncontrolled	E11.9 Type 2 Diabetes Mellitus without Complications	Approximate
440.20 Atherosclerosis	I70.201 Unspecified atherosclerosis of native arteries of extremities, right leg	Approximate
440.23, 707.1x Atherosclerosis with ulceration	I70.23 Atherosclerosis of native arteries of right leg with ulceration I70.24 Atherosclerosis of native arteries of left leg with ulceration	6th character specified exact location on leg 1-thigh 2-calf 3-ankle 4-heel and midfoot 5-other part of foot 8-other part of lower leg 9-unspecified site Use additional code to identify severity of ulcer(I97 with 5th character “1”)
443.9 PVD	I73.9 Peripheral vascular disease, unspecified	Identical
453.42 Acute embolism and thrombosis of deep veins of lower extremity	I82.41 Acute embolism and thrombosis of femoral vein I82.42.....of iliac vein I82.42.....of popliteal vein I82.44.....of tibial vein I82.49.....of other specified deep vein of lower extremity	6th character is used to indicate right, left or bilateral
454.0 Varicose veins of lower extremities with ulcer	I83.00 Varicose veins of unspecified lower extremity with ulcer I83.001.....with ulcer of thigh I83.002.....with ulcer of calf I83.003.....with ulcer of ankle I83.004.....with ulcer of heel and midfoot I83.005.....with ulcer other part of foot I83.008.....with ulcer other part of lower leg	I83.0- codes are combination codes with more detail than ICD-9-CM 454.0. I83.0- codes are differentiated first by right, left or unspecified lower extremity, and then by the ulcer’s location on the leg or foot L97 code is also reported to identify the severity of the ulcer

ICD-9-CM Diagnoses	ICD-10-CM Code Equivalent(s)	Additional Information
	183.009.....with ulcer of unspecified site	
457.1 Lymphadema	I89.0 Lymphedema, not elsewhere classified	Approximate
459.81 Venous insufficiency	I87.2 Venous insufficiency (chronic) (peripheral)	Identical
459.81, 707.1x Stasis ulcer of lower extremity	I87.2 Venous insufficiency (chronic) (peripheral) L97 Non pressure chronic ulcer of lower limb, not elsewhere classified	L97 codes are specific for location, including right and left, and severity, E.G. skin, fat layer exposed, necrosis of muscle, necrosis of bone
682.6 Cellulitis/abscess leg	L03.115 Cellulitis of right lower limb L03.116 Cellulitis of left lower leg	Cellulitis and abscesses are coded with different codes
707.03 Pressure ulcer, coccyx	L89.15 Pressure ulcer of sacral region	6th character specified stage 0- unstageable 1- stage 1 2- stage 2 3- stage 3 4- stage 4 9- unspecified
707.04 Pressure ulcer, hip	L89.20 Pressure ulcer of unspecified hip L89.21.....of right hip L89.22.....of left hip L89.4.....Pressure ulcer of contiguous site of back, buttock and hip (5th character indicates stage)	6th character specified stage 0- unstageable 1- stage 1 2- stage 2 3- stage 3 4- stage 4 9- unspecified
707.07 Pressure ulcer heel	L89.60 Pressure ulcer of unspecified heel L89.61.....of right heel L89.62.....of left heel	6th character specified stage 0- unstageable 1- stage 1 2- stage 2 3- stage 3 4- stage 4 9- unspecified

DIABETES MELLITUS (DM)

1. TYPE

- Type I (Juvenile, brittle, due to autoimmune process, idiopathic)
- Type II (adult-onset, diabetes NOS, insulin-resistant)
- Other:
 - DM due to underlying condition (identify condition): _____
 - Chemical or drug induced (what drug or chemical): _____
 - Other specified: _____

2. COMPLICATIONS AND/OR MANIFESTATIONS

- No complications or manifestations
- Hyperosmolarity
 - With nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
 - Without NKHHC, with coma
- Kidney complications (Nephropathy)
 - Chronic kidney disease (stage): _____
 - With other diabetic kidney complications: _____
- Ophthalmic Complications (Retinopathy)
 - Nonproliferative Retinopathy (mild, moderate, or severe?)
 - Proliferative Retinopathy
 - Macular edema
 - Diabetic cataract
 - With other ophthalmic complications: _____
- Neurological complications (Neuropathy)
 - Diabetic Mononeuropathy,
 - Diabetic Polyneuropathy,
 - Diabetic Autonomic polyneuropathy,
 - Diabetic Amyotrophy
 - Diabetic gastroparesis
 - Diabetic neuropathic arthropathy
 - With other neurological complications: _____
- Circulatory complications (diabetic peripheral angiopathy)
 - With gangrene
 - With other circulatory complications: _____
- Other complications
 - Dermatitis
 - Foot ulcer (identify location of ulcer on foot)
 - Other skin ulcer (identify site of ulcer)
 - Periodontal disease
 - Other oral complications
- Hypoglycemia
 - With coma
- Hyperglycemia
- Ketoacidosis
 - With coma

3. Is the patient on chronic (active) insulin?

- Yes
- No