



190.24 - Digoxin Therapeutic Drug Assay

Description

A digoxin therapeutic drug assay is useful for diagnosis and prevention of digoxin toxicity, and/or prevention for under dosage of digoxin.

HCPCS Codes (Alphanumeric, CPT[®] AMA)

| Code | Description |
|-------|----------------------------------|
| 80162 | Digoxin (Therapeutic Drug Assay) |

ICD-10-CM Codes Covered by Medicare Program

The ICD-10-CM codes in the table below can be viewed on CMS' website as part of Downloads: Lab Code List, at <http://www.cms.gov/Medicare/Coverage/CoverageGenInfo/LabNCDsICD10.html>

| Code | Description |
|--------|--|
| A18.84 | Tuberculosis of heart |
| E00.0 | Congenital iodine-deficiency syndrome, neurological type |
| E00.1 | Congenital iodine-deficiency syndrome, myxedematous type |
| E00.2 | Congenital iodine-deficiency syndrome, mixed type |
| E00.9 | Congenital iodine-deficiency syndrome, unspecified |
| E01.8 | Other iodine-deficiency related thyroid disorders and allied conditions |
| E02 | Subclinical iodine-deficiency hypothyroidism |
| E03.0 | Congenital hypothyroidism with diffuse goiter |
| E03.1 | Congenital hypothyroidism without goiter |
| E03.2 | Hypothyroidism due to medicaments and other exogenous substances |
| E03.3 | Postinfectious hypothyroidism |
| E03.5 | Myxedema coma |
| E03.8 | Other specified hypothyroidism |
| E03.9 | Hypothyroidism, unspecified |
| E05.00 | Thyrotoxicosis with diffuse goiter without thyrotoxic crisis or storm |
| E05.01 | Thyrotoxicosis with diffuse goiter with thyrotoxic crisis or storm |
| E05.10 | Thyrotoxicosis with toxic single thyroid nodule without thyrotoxic crisis or storm |
| E05.11 | Thyrotoxicosis with toxic single thyroid nodule with thyrotoxic crisis or storm |



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|--------|--|
| E05.20 | Thyrotoxicosis with toxic multinodular goiter without thyrotoxic crisis or storm |
| E05.21 | Thyrotoxicosis with toxic multinodular goiter with thyrotoxic crisis or storm |
| E05.30 | Thyrotoxicosis from ectopic thyroid tissue without thyrotoxic crisis or storm |
| E05.31 | Thyrotoxicosis from ectopic thyroid tissue with thyrotoxic crisis or storm |
| E05.40 | Thyrotoxicosis factitia without thyrotoxic crisis or storm |
| E05.41 | Thyrotoxicosis factitia with thyrotoxic crisis or storm |
| E05.80 | Other thyrotoxicosis without thyrotoxic crisis or storm |
| E05.81 | Other thyrotoxicosis with thyrotoxic crisis or storm |
| E05.90 | Thyrotoxicosis, unspecified without thyrotoxic crisis or storm |
| E05.91 | Thyrotoxicosis, unspecified with thyrotoxic crisis or storm |
| E06.0 | Acute thyroiditis |
| E06.1 | Subacute thyroiditis |
| E06.2 | Chronic thyroiditis with transient thyrotoxicosis |
| E06.3 | Autoimmune thyroiditis |
| E06.4 | Drug-induced thyroiditis |
| E06.5 | Other chronic thyroiditis |
| E06.9 | Thyroiditis, unspecified |
| E20.1 | Pseudohypoparathyroidism |
| E83.40 | Disorders of magnesium metabolism, unspecified |
| E83.41 | Hypermagnesemia |
| E83.42 | Hypomagnesemia |
| E83.49 | Other disorders of magnesium metabolism |
| E83.50 | Unspecified disorder of calcium metabolism |
| E83.51 | Hypocalcemia |
| E83.52 | Hypercalcemia |
| E83.59 | Other disorders of calcium metabolism |
| E83.81 | Hungry bone syndrome |
| E86.0 | Dehydration |
| E86.1 | Hypovolemia |
| E86.9 | Volume depletion, unspecified |

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**

Fu Associates, Ltd.

January 2017



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|--------|--|
| E87.0 | Hyperosmolality and hypernatremia |
| E87.1 | Hypo-osmolality and hyponatremia |
| E87.2 | Acidosis |
| E87.3 | Alkalosis |
| E87.4 | Mixed disorder of acid-base balance |
| E87.5 | Hyperkalemia |
| E87.6 | Hypokalemia |
| E87.70 | Fluid overload, unspecified |
| E87.71 | Transfusion associated circulatory overload |
| E87.79 | Other fluid overload |
| E87.8 | Other disorders of electrolyte and fluid balance, not elsewhere classified |
| E89.0 | Postprocedural hypothyroidism |
| F05 | Delirium due to known physiological condition |
| F51.5 | Nightmare disorder |
| G44.1 | Vascular headache, not elsewhere classified |
| G44.40 | Drug-induced headache, not elsewhere classified, not intractable |
| G44.41 | Drug-induced headache, not elsewhere classified, intractable |
| H53.16 | Psychophysical visual disturbances |
| H53.71 | Glare sensitivity |
| H53.72 | Impaired contrast sensitivity |
| H53.8 | Other visual disturbances |
| H53.9 | Unspecified visual disturbance |
| I08.1 | Rheumatic disorders of both mitral and tricuspid valves |
| I08.2 | Rheumatic disorders of both aortic and tricuspid valves |
| I08.3 | Combined rheumatic disorders of mitral, aortic and tricuspid valves |
| I08.8 | Other rheumatic multiple valve diseases |
| I08.9 | Rheumatic multiple valve disease, unspecified |
| I09.0 | Rheumatic myocarditis |
| I09.1 | Rheumatic diseases of endocardium, valve unspecified |
| I09.81 | Rheumatic heart failure |

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**

Fu Associates, Ltd.

January 2017



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|--------|---|
| I11.0 | Hypertensive heart disease with heart failure |
| I12.0 | Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease |
| I12.9 | Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease |
| I13.0 | Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease |
| I13.10 | Hypertensive heart and chronic kidney disease without heart failure, with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease |
| I13.11 | Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease |
| I13.2 | Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease |
| I20.0 | Unstable angina |
| I20.1 | Angina pectoris with documented spasm |
| I20.8 | Other forms of angina pectoris |
| I20.9 | Angina pectoris, unspecified |
| I21.01 | ST elevation (STEMI) myocardial infarction involving left main coronary artery |
| I21.02 | ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery |
| I21.09 | ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall |
| I21.11 | ST elevation (STEMI) myocardial infarction involving right coronary artery |
| I21.19 | ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall |
| I21.21 | ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery |
| I21.29 | ST elevation (STEMI) myocardial infarction involving other sites |
| I21.3 | ST elevation (STEMI) myocardial infarction of unspecified site |
| I21.4 | Non-ST elevation (NSTEMI) myocardial infarction |
| I22.0 | Subsequent ST elevation (STEMI) myocardial infarction of anterior wall |
| I22.1 | Subsequent ST elevation (STEMI) myocardial infarction of inferior wall |
| I22.2 | Subsequent non-ST elevation (NSTEMI) myocardial infarction |
| I22.8 | Subsequent ST elevation (STEMI) myocardial infarction of other sites |
| I22.9 | Subsequent ST elevation (STEMI) myocardial infarction of unspecified site |
| I23.1 | Atrial septal defect as current complication following acute myocardial infarction |

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|---------|---|
| I23.2 | Ventricular septal defect as current complication following acute myocardial infarction |
| I23.4 | Rupture of chordae tendineae as current complication following acute myocardial infarction |
| I23.5 | Rupture of papillary muscle as current complication following acute myocardial infarction |
| I24.0 | Acute coronary thrombosis not resulting in myocardial infarction |
| I24.1 | Dressler's syndrome |
| I24.8 | Other forms of acute ischemic heart disease |
| I24.9 | Acute ischemic heart disease, unspecified |
| I25.10 | Atherosclerotic heart disease of native coronary artery without angina pectoris |
| I25.110 | Atherosclerotic heart disease of native coronary artery with unstable angina pectoris |
| I25.111 | Atherosclerotic heart disease of native coronary 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 |
| I25.700 | Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris |
| I25.701 | Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm |
| I25.708 | Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris |
| I25.709 | Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris |
| I25.710 | Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris |
| I25.711 | Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm |
| I25.718 | Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris |
| I25.719 | Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris |
| I25.720 | Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris |
| I25.721 | Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm |



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|---------|--|
| I25.728 | Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris |
| I25.729 | Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris |
| I25.730 | Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris |
| I25.731 | Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm |
| I25.738 | Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris |
| I25.739 | Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris |
| I25.750 | Atherosclerosis of native coronary artery of transplanted heart with unstable angina |
| I25.751 | Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm |
| I25.758 | Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris |
| I25.759 | Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris |
| I25.760 | Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina |
| I25.761 | Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm |
| I25.768 | Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris |
| I25.769 | Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris |
| I25.790 | Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris |
| I25.791 | Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm |
| I25.798 | Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris |
| I25.799 | Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris |
| I25.84 | Coronary atherosclerosis due to calcified coronary lesion |
| I40.0 | Infective myocarditis |
| I40.1 | Isolated myocarditis |

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**

Fu Associates, Ltd.

January 2017



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|--------|---|
| I40.8 | Other acute myocarditis |
| I40.9 | Acute myocarditis, unspecified |
| I41 | Myocarditis in diseases classified elsewhere |
| I42.0 | Dilated cardiomyopathy |
| I42.1 | Obstructive hypertrophic cardiomyopathy |
| I42.2 | Other hypertrophic cardiomyopathy |
| I42.3 | Endomyocardial (eosinophilic) disease |
| I42.4 | Endocardial fibroelastosis |
| I42.5 | Other restrictive cardiomyopathy |
| I42.6 | Alcoholic cardiomyopathy |
| I42.7 | Cardiomyopathy due to drug and external agent |
| I42.8 | Other cardiomyopathies |
| I42.9 | Cardiomyopathy, unspecified |
| I43 | Cardiomyopathy in diseases classified elsewhere |
| I44.0 | Atrioventricular block, first degree |
| I44.1 | Atrioventricular block, second degree |
| I44.2 | Atrioventricular block, complete |
| I44.30 | Unspecified atrioventricular block |
| I44.39 | Other atrioventricular block |
| I44.4 | Left anterior fascicular block |
| I44.5 | Left posterior fascicular block |
| I44.60 | Unspecified fascicular block |
| I44.69 | Other fascicular block |
| I44.7 | Left bundle-branch block, unspecified |
| I45.0 | Right fascicular block |
| I45.10 | Unspecified right bundle-branch block |
| I45.19 | Other right bundle-branch block |
| I45.2 | Bifascicular block |
| I45.3 | Trifascicular block |
| I45.4 | Nonspecific intraventricular block |



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|--------|--|
| I45.5 | Other specified heart block |
| I45.6 | Pre-excitation syndrome |
| I45.81 | Long QT syndrome |
| I45.89 | Other specified conduction disorders |
| I45.9 | Conduction disorder, unspecified |
| I46.2 | Cardiac arrest due to underlying cardiac condition |
| I46.8 | Cardiac arrest due to other underlying condition |
| I46.9 | Cardiac arrest, cause unspecified |
| I47.0 | Re-entry ventricular arrhythmia |
| I47.1 | Supraventricular tachycardia |
| I47.2 | Ventricular tachycardia |
| I47.9 | Paroxysmal tachycardia, unspecified |
| I48.0 | Paroxysmal atrial fibrillation |
| I48.1 | Persistent atrial fibrillation |
| I48.2 | Chronic atrial fibrillation |
| I48.3 | Typical atrial flutter |
| I48.4 | Atypical atrial flutter |
| I48.91 | Unspecified atrial fibrillation |
| I48.92 | Unspecified atrial flutter |
| I49.01 | Ventricular fibrillation |
| I49.02 | Ventricular flutter |
| I49.1 | Atrial premature depolarization |
| I49.2 | Junctional premature depolarization |
| I49.3 | Ventricular premature depolarization |
| I49.40 | Unspecified premature depolarization |
| I49.49 | Other premature depolarization |
| I49.5 | Sick sinus syndrome |
| I49.8 | Other specified cardiac arrhythmias |
| I49.9 | Cardiac arrhythmia, unspecified |
| I50.1 | Left ventricular failure |



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|---------|--|
| I50.20 | Unspecified systolic (congestive) heart failure |
| I50.21 | Acute systolic (congestive) heart failure |
| I50.22 | Chronic systolic (congestive) heart failure |
| I50.23 | Acute on chronic systolic (congestive) heart failure |
| I50.30 | Unspecified diastolic (congestive) heart failure |
| I50.31 | Acute diastolic (congestive) heart failure |
| I50.32 | Chronic diastolic (congestive) heart failure |
| I50.33 | Acute on chronic diastolic (congestive) heart failure |
| I50.40 | Unspecified combined systolic (congestive) and diastolic (congestive) heart failure |
| I50.41 | Acute combined systolic (congestive) and diastolic (congestive) heart failure |
| I50.42 | Chronic combined systolic (congestive) and diastolic (congestive) heart failure |
| I50.43 | Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure |
| I50.9 | Heart failure, unspecified |
| I51.0 | Cardiac septal defect, acquired |
| I51.1 | Rupture of chordae tendineae, not elsewhere classified |
| I51.2 | Rupture of papillary muscle, not elsewhere classified |
| I74.01 | Saddle embolus of abdominal aorta |
| I74.09 | Other arterial embolism and thrombosis of abdominal aorta |
| I74.10 | Embolism and thrombosis of unspecified parts of aorta |
| I74.19 | Embolism and thrombosis of other parts of aorta |
| I97.0 | Postcardiotomy syndrome |
| I97.110 | Postprocedural cardiac insufficiency following cardiac surgery |
| I97.111 | Postprocedural cardiac insufficiency following other surgery |
| I97.120 | Postprocedural cardiac arrest following cardiac surgery |
| I97.121 | Postprocedural cardiac arrest following other surgery |
| I97.130 | Postprocedural heart failure following cardiac surgery |
| I97.131 | Postprocedural heart failure following other surgery |
| I97.190 | Other postprocedural cardiac functional disturbances following cardiac surgery |
| I97.191 | Other postprocedural cardiac functional disturbances following other surgery |
| J81.1 | Chronic pulmonary edema |



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|----------------|--|
| *K52.21 | *Food protein-induced enterocolitis syndrome |
| *K52.22 | *Food protein-induced enteropathy |
| *K52.29 | *Other allergic and dietetic gastroenteritis and colitis |
| K52.89 | Other specified noninfective gastroenteritis and colitis |
| K76.81 | Hepatopulmonary syndrome |
| K90.9 | Intestinal malabsorption, unspecified |
| N17.0 | Acute kidney failure with tubular necrosis |
| N17.1 | Acute kidney failure with acute cortical necrosis |
| N17.2 | Acute kidney failure with medullary necrosis |
| N17.8 | Other acute kidney failure |
| N17.9 | Acute kidney failure, unspecified |
| N18.1 | Chronic kidney disease, stage 1 |
| N18.2 | Chronic kidney disease, stage 2 (mild) |
| N18.3 | Chronic kidney disease, stage 3 (moderate) |
| N18.4 | Chronic kidney disease, stage 4 (severe) |
| N18.5 | Chronic kidney disease, stage 5 |
| N18.6 | End stage renal disease |
| N18.9 | Chronic kidney disease, unspecified |
| N19 | Unspecified kidney failure |
| N25.0 | Renal osteodystrophy |
| N25.1 | Nephrogenic diabetes insipidus |
| N25.81 | Secondary hyperparathyroidism of renal origin |
| N25.89 | Other disorders resulting from impaired renal tubular function |
| N25.9 | Disorder resulting from impaired renal tubular function, unspecified |
| N26.1 | Atrophy of kidney (terminal) |
| N26.9 | Renal sclerosis, unspecified |
| R00.1 | Bradycardia, unspecified |
| R11.0 | Nausea |
| R11.10 | Vomiting, unspecified |
| R11.11 | Vomiting without nausea |

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|----------|---|
| R11.12 | Projectile vomiting |
| R11.14 | Bilious vomiting |
| R11.2 | Nausea with vomiting, unspecified |
| R19.7 | Diarrhea, unspecified |
| R40.0 | Somnolence |
| R40.1 | Stupor |
| R40.20 | Unspecified coma |
| R40.2110 | Coma scale, eyes open, never, unspecified time |
| R40.2111 | Coma scale, eyes open, never, in the field [EMT or ambulance] |
| R40.2112 | Coma scale, eyes open, never, at arrival to emergency department |
| R40.2113 | Coma scale, eyes open, never, at hospital admission |
| R40.2114 | Coma scale, eyes open, never, 24 hours or more after hospital admission |
| R40.2120 | Coma scale, eyes open, to pain, unspecified time |
| R40.2121 | Coma scale, eyes open, to pain, in the field [EMT or ambulance] |
| R40.2122 | Coma scale, eyes open, to pain, at arrival to emergency department |
| R40.2123 | Coma scale, eyes open, to pain, at hospital admission |
| R40.2124 | Coma scale, eyes open, to pain, 24 hours or more after hospital admission |
| R40.2210 | Coma scale, best verbal response, none, unspecified time |
| R40.2211 | Coma scale, best verbal response, none, in the field [EMT or ambulance] |
| R40.2212 | Coma scale, best verbal response, none, at arrival to emergency department |
| R40.2213 | Coma scale, best verbal response, none, at hospital admission |
| R40.2214 | Coma scale, best verbal response, none, 24 hours or more after hospital admission |
| R40.2220 | Coma scale, best verbal response, incomprehensible words, unspecified time |
| R40.2221 | Coma scale, best verbal response, incomprehensible words, in the field [EMT or ambulance] |
| R40.2222 | Coma scale, best verbal response, incomprehensible words, at arrival to emergency department |
| R40.2223 | Coma scale, best verbal response, incomprehensible words, at hospital admission |
| R40.2224 | Coma scale, best verbal response, incomprehensible words, 24 hours or more after hospital admission |
| R40.2310 | Coma scale, best motor response, none, unspecified time |

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**

Fu Associates, Ltd.

January 2017



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|----------|--|
| R40.2311 | Coma scale, best motor response, none, in the field [EMT or ambulance] |
| R40.2312 | Coma scale, best motor response, none, at arrival to emergency department |
| R40.2313 | Coma scale, best motor response, none, at hospital admission |
| R40.2314 | Coma scale, best motor response, none, 24 hours or more after hospital admission |
| R40.2320 | Coma scale, best motor response, extension, unspecified time |
| R40.2321 | Coma scale, best motor response, extension, in the field [EMT or ambulance] |
| R40.2322 | Coma scale, best motor response, extension, at arrival to emergency department |
| R40.2323 | Coma scale, best motor response, extension, at hospital admission |
| R40.2324 | Coma scale, best motor response, extension, 24 hours or more after hospital admission |
| R40.2340 | Coma scale, best motor response, flexion withdrawal, unspecified time |
| R40.2341 | Coma scale, best motor response, flexion withdrawal, in the field [EMT or ambulance] |
| R40.2342 | Coma scale, best motor response, flexion withdrawal, at arrival to emergency department |
| R40.2343 | Coma scale, best motor response, flexion withdrawal, at hospital admission |
| R40.2344 | Coma scale, best motor response, flexion withdrawal, 24 hours or more after hospital admission |
| R40.4 | Transient alteration of awareness |
| R42 | Dizziness and giddiness |
| R44.0 | Auditory hallucinations |
| R44.1 | Visual hallucinations |
| R44.2 | Other hallucinations |
| R44.3 | Hallucinations, unspecified |
| R45.0 | Nervousness |
| R45.3 | Demoralization and apathy |
| R45.4 | Irritability and anger |
| R45.86 | Emotional lability |
| R45.87 | Impulsiveness |
| R45.89 | Other symptoms and signs involving emotional state |
| R48.3 | Visual agnosia |
| R51 | Headache |
| R53.1 | Weakness |
| R53.2 | Functional quadriplegia |

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

| Code | Description |
|--|--|
| R53.81 | Other malaise |
| R53.82 | Chronic fatigue, unspecified |
| R53.83 | Other fatigue |
| R55 | Syncope and collapse |
| R63.0 | Anorexia |
| R94.31 | Abnormal electrocardiogram [ECG] [EKG] |
| T46.0X1A | Poisoning by cardiac-stimulant glycosides and drugs of similar action, accidental (unintentional), initial encounter |
| T46.0X2A | Poisoning by cardiac-stimulant glycosides and drugs of similar action, intentional self-harm, initial encounter |
| T46.0X3A | Poisoning by cardiac-stimulant glycosides and drugs of similar action, assault, initial encounter |
| T46.0X4A | Poisoning by cardiac-stimulant glycosides and drugs of similar action, undetermined, initial encounter |
| *T46.0X5A | Adverse effect of cardiac-stimulant glycosides and drugs of similar action, initial encounter |
| *T46.0X5S | Adverse effect of cardiac-stimulant glycosides and drugs of similar action, sequela |
| T46.1X5A | Adverse effect of calcium-channel blockers, initial encounter |
| T46.2X1A | Poisoning by other antidysrhythmic drugs, accidental (unintentional), initial encounter |
| T46.2X2A | Poisoning by other antidysrhythmic drugs, intentional self-harm, initial encounter |
| T46.2X3A | Poisoning by other antidysrhythmic drugs, assault, initial encounter |
| T46.2X4A | Poisoning by other antidysrhythmic drugs, undetermined, initial encounter |
| T46.2X5A | Adverse effect of other antidysrhythmic drugs, initial encounter |
| T50.905A | Adverse effect of unspecified drugs, medicaments and biological substances, initial encounter |
| T50.995A | Adverse effect of other drugs, medicaments and biological substances, initial encounter |
| T78.41XA | Arthus phenomenon, initial encounter |
| T88.52XA | Failed moderate sedation during procedure, initial encounter |
| Z79.899 | Other long term (current) drug therapy |
| *Codes may not be reported as a stand-alone or first-listed code on the claim. | |



Indications

Digoxin levels may be performed to monitor drug levels of individuals receiving digoxin therapy because the margin of safety between side effects and toxicity is narrow or because the blood level may not be high enough to achieve the desired clinical effect.

Clinical indications may include individuals on digoxin:

- With symptoms, signs or electrocardiogram (ECG) suggestive of digoxin toxicity
- Taking medications that influence absorption, bioavailability, distribution, and/or elimination of digoxin
- With impaired renal, hepatic, gastrointestinal, or thyroid function
- With pH and/or electrolyte abnormalities
- With unstable cardiovascular status, including myocarditis
- Requiring monitoring of patient compliance

Clinical indications may include individuals:

- Suspected of accidental or intended overdose
- Who have an acceptable cardiac diagnosis (as listed) and for whom an accurate history of use of digoxin is unobtainable

The value of obtaining regular serum digoxin levels is uncertain, but it may be reasonable to check levels once yearly after a steady state is achieved. In addition, it may be reasonable to check the level if:

- Heart failure status worsens
- Renal function deteriorates
- Additional medications are added that could affect the digoxin level
- Signs or symptoms of toxicity develop

Steady state will be reached in approximately 1 week in patients with normal renal function, although 2-3 weeks may be needed in patients with renal impairment. After changes in dosages or the addition of a medication that could affect the digoxin level, it is reasonable to check the digoxin level one week after the change or addition. Based on the clinical situation, in cases of digoxin toxicity, testing may need to be done more than once a week.

Digoxin is indicated for the treatment of patients with heart failure due to systolic dysfunction and for reduction of the ventricular response in patients with atrial fibrillation or flutter. Digoxin may also be indicated to treat other supraventricular arrhythmias, particularly with heart failure.

Limitations

This test is not appropriate for patients on digitoxin or treated with digoxin FAB (fragment antigen binding) antibody.

ICD-10-CM Codes That Do Not Support Medical Necessity

Any ICD-10-CM code not listed in either of the ICD-10-CM covered or non-covered sections.

Sources of Information

Doherty JE. Digitalis serum levels: clinical use. *Ann Intern Med* 1971 May; 74(5):787-789.

Duhme DW, Greenblatt DJ, Koch-Weser J. Reduction of digoxin toxicity associated with measurement of serum levels. A report from the Boston Collaborative Drug Surveillance Program. *Ann Intern Med* 1974 Apr; 80(4):516-519

NCD 190.24

***January 2017 Changes
ICD-10-CM Version – Red**

Fu Associates, Ltd.

January 2017



**Medicare National Coverage Determinations (NCD)
Coding Policy Manual and Change Report (ICD-10-CM)**

Goldman RH, Use of Serum Digoxin Levels in Clinical Practice. JAMA 1974, Jul 15, 229(3).

Howanitz PJ, Steindel SJ. Digoxin therapeutic drug monitoring practices. A College of American Pathologists Q-Probes study of 666 institutions and 18,679 toxic levels. Arch Pathol Lab Med 1993 Jul; 117(7):684-690.

Marcus FI. Pharmacokinetic interactions between digoxin and other drugs. J Am Coll Cardiol 1985 May; 5(5 Suppl A):82A-90A.

Rodin SM, Johnson BF. Pharmacokinetic interactions with digoxin. Clin Pharmacokinetics 1988 Oct; 15(4):227-244.

Smith TW, Butler VP Jr, Haber E. Determination of therapeutic and toxic serum digoxin concentrations by radioimmunoassay. N Engl J Med 1969 Nov 27; 281(22):1212-1216.

Smith TW, Haber E. Digoxin intoxication: the relationship of clinical presentation to serum digoxin concentration. J Clin Invest 1970, Dec; 49 (12):2377-2386.

Valdes R. Jr, Jortani SA, Gheorghide M. Standards of laboratory practice: cardiac drug monitoring. National Academy of Clinical Biochemistry. Clin Chem 1998 May; 44(5): 1096-1109.

Konstam M, Dracup K, Baker D, et al. Heart Failure: Evaluation and Care of Patients with Left-Ventricular Systolic Dysfunction. Clinical Practice Guideline No.11. AHCPR Pub. No. 94-0612. Rockville, MD: Agency for Health Care Policy & Research, Public Health Service, U.S. Dept. of Health and Human Services. June 1994.