

The ICD-10 codes provided represent common clinical indications for the procedures listed. This list is not exhaustive and providers should report the diagnosis code that most accurately describes the reason for ordering the test(s). If a definitive diagnosis has not been established, it is appropriate to report codes for sign(s) and/or symptom(s) in lieu of a definitive diagnosis.

Boston Heart HDL Map® Test

Clinical Indication: Patients with CVD, a family history of CVD, obesity, diabetes, prediabetes, metabolic syndrome, hypertension, dyslipidemia, low HDL-C, high triglycerides, tobacco use, sleep apnea and renal, liver, or thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Type 2 diabetes	E11.____ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Mixed hyperlipidemia	E78.2
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Disorder of lipoprotein metabolism, unspecified	E78.9
Metabolic syndrome	E88.81
Current smoker (dependence-cigarettes)	F17.210
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Prediabetes	R73.03
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49

ApoA-1

Clinical Indications: Patients with CVD, a family history of CVD, obesity, diabetes, prediabetes, metabolic syndrome, hypertension, dyslipidemia, low HDL-C, high triglycerides, tobacco use, sleep apnea and renal, liver, or thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.____ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Pure hyperglyceridemia	E78.1
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Lipoprotein deficiency	E78.6
Metabolic syndrome	E88.81
Current smoker (dependence-cigarettes)	F17.210
Sleep apnea, unspecified	G47.30
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Heart disease, unspecified	I51.9
Prediabetes	R73.03
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49
Personal history of nicotine dependence	Z87.891

Boston Heart Cholesterol Balance® Test

Clinical Indication: Patients with CVD, a family history of CVD, diabetes, and hyperlipidemia including elevated values of LDL-C, apoB, LDL-P, and those that fail to reach optimal LDL-C levels with current lipid lowering therapies

Common Indications	ICD-10 CODES
Type 2 diabetes	E11.____ - E11.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Mixed hyperlipidemia	E78.2
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10

Boston Heart Statin Induced Myopathy (SLCO1B1) Genotype

Clinical Indications: Patients on statin therapy and/or history of myopathy or CK elevations from statin therapy. Clinical implications for SLCO1B1 testing also includes patients that are on methotrexate, rifampin, nateglinide, or repaglinide

Common Indications	ICD-10 CODES
Drug-induced myopathy	G72.0
Myopathy due to other toxic agents	G72.2
Contracture of muscle, unspecified site	M62.40
Other muscle spasm	M62.838
Cramp and spasm	R25.2
Fatigue	R53.83
Other long term (current) drug therapy	Z79.899

ApoB

Clinical Indications: Patients with CVD, a family history of CVD, obesity, diabetes, prediabetes, metabolic syndrome, hypertension, dyslipidemia, high triglycerides, sleep apnea, tobacco use, and renal, liver, or thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.____ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Pure hyperglyceridemia	E78.1
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Lipoprotein deficiency	E78.6
Metabolic syndrome	E88.81
Current smoker (dependence-cigarettes)	F17.210
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Prediabetes	R73.03
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49

Adiponectin

Clinical Indications: Patients with CVD, obesity, metabolic syndrome, hypertension, diabetes, insulin resistance, prediabetes, dyslipidemia, hypertriglyceridemia, liver or kidney disease

Common Indications	ICD-10 CODES
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Pure hyperglyceridemia	E78.1
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Metabolic syndrome	E88.81
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Impaired fasting glucose	R73.01
Prediabetes	R73.03
Other abnormal glucose	R73.09

Factor II and Factor V

Clinical Indications: Patients with CVD, history of a thromboembolism, diabetes, obesity, tobacco use, pregnancy, women on oral birth control or hormone replacement therapy

Common Indications	ICD-10 CODES
Type 2 diabetes	E11.__ -E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Current smoker (dependence-cigarettes)	F17.210
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Pulmonary embolism depending on complication	I26. __
Unspecified atrial fibrillation	I48.91
Heart disease, unspecified	I51.9
Long term (current) use of hormonal contraceptives	Z79.3
Hormone replacement therapy	Z79.890
Personal history of other venous thrombosis and embolism	Z86.718

Fatty Acids

Clinical Indications: Patients with CVD, heart failure, obesity, diabetes, prediabetes, hyperlipidemia, hypertriglyceridemia and liver disease

Common Indications	ICD-10 CODES
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Pure hyperglyceridemia	E78.1
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Lipoprotein deficiency	E78.6
Current smoker (dependence-cigarettes)	F17.210
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Heart failure, unspecified	I50.9
Prediabetes	R73.03
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49

Fibrinogen

Clinical Indications: Patients with CVD, obesity, tobacco use, diabetes, prediabetes, metabolic syndrome, history of pulmonary embolism or venous thrombosis

Common Indications	ICD-10 CODES
Overweight	E66.3
Obesity, unspecified	E66.9
Elevated Lipoprotein(a)	E78.41
Metabolic syndrome	E88.81
Current smoker (dependence-cigarettes)	F17.210
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Pulmonary embolism	I26.99
Prediabetes	R73.03

Glycated Serum Protein GSP

Clinical Indications: Patients with CVD, diabetes, family history of diabetes, hyperinsulinemia, dyslipidemia, obesity, metabolic syndrome, prediabetes, hypertension, hemoglobinopathies, renal, liver or thyroid disease

Common Indications	ICD-10 CODES
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hyperglyceridemia	E78.1
Hyperlipidemia, unspecified	E78.5
Metabolic syndrome	E88.81
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Dizziness/vertigo	R42
Abnormal weight loss	R63.4
Abnormal weight gain	R63.5
Impaired fasting glucose	R73.01
Prediabetes	R73.03
Other abnormal glucose	R73.09

Hemoglobin A1C (HbA1c)

Clinical Indications: Patients with CVD, diabetes, family history of diabetes, hyperinsulinemia, dyslipidemia, obesity, metabolic syndrome, prediabetes, hypertension, renal, liver or thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Hyperlipidemia, unspecified	E78.5
Metabolic syndrome	E88.81
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Dizziness/vertigo	R42
Fatigue	R53.83
Abnormal weight loss	R63.4
Abnormal weight gain	R63.5
Impaired fasting glucose	R73.01
Prediabetes	R73.03
Other abnormal glucose	R73.09
Family history of diabetes	Z83.3

Homocysteine

Clinical Indications: Patients with CVD, history of venous thrombosis, cognitive deficits including dementia and depression, variations in MTHFR genotype, pernicious anemia, tobacco use, alcoholism, nutritional and micronutrient deficiencies, hypothyroidism, psoriasis and liver or renal disease.

Common Indications	ICD-10 CODES
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Other vitamin B12 deficiency anemias	D51.8
Folate deficiency anemia, unspecified	D52.9
Other megaloblastic anemias, not elsewhere classified	D53.1
Nutritional anemia, unspecified	D53.9
Thrombocytopenia, unspecified	D69.6
Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Deficiency of other specified B group vitamins	E53.8
Homocystinuria	E72.11
Disorders of sulfur-bearing amino-acid metabolism, unspecified	E72.10
Methylenetetrahydrofolate reductase deficiency	E72.12
Other disorders of sulfur-bearing amino-acid metabolism	E72.19
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Chronic kidney disease, unspecified	N18.9
Personal history of other endocrine, nutritional and metabolic disease	Z86.39

hs-CRP

Clinical Indications: Patients with CVD, diabetes, prediabetes, obesity, hypertension, hyperlipidemia, low HDL-C, sleep apnea, tobacco use, on oral estrogen and renal, liver or thyroid disease

Common Indications	ICD-10 CODES
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Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.__-E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Pure hyperglyceridemia	E78.1
Mixed hyperlipidemia	E78.2
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Lipoprotein deficiency	E78.6
Current smoker (dependence-cigarettes)	F17.210
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Impaired fasting glucose	R73.01
Prediabetes	R73.03
Encounter for screening for cardiovascular disorders	Z13.6
Hormone replacement therapy	Z79.890
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49

Insulin

Clinical Indications: Patients with CVD, diabetes, family history of diabetes, history of hyperinsulinemia, dyslipidemia, obesity, metabolic syndrome, prediabetes, hypertension, renal, liver or thyroid disease

Common Indications	ICD-10 CODES
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Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Hyperlipidemia, unspecified	E78.5
Metabolic syndrome	E88.81
Essential (primary) hypertension	I10
Chronic kidney disease, unspecified	N18.9
Dizziness/vertigo	R42
Fatigue	R53.83
Abnormal weight loss	R63.4
Abnormal weight gain	R63.5
Impaired fasting glucose	R73.01
Prediabetes	R73.03
Other abnormal glucose	R73.09
Family history of diabetes	Z83.3
Personal history of other endocrine, nutritional and metabolic disease	Z86.39

LDL-P

Clinical Indications: Patients with CVD, a family history of CVD, obesity, diabetes, prediabetes, metabolic syndrome, hypertension, dyslipidemia, high triglycerides, sleep apnea, tobacco use, and renal, liver, or thyroid disease.

Common Indications	ICD-10 CODES
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Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Pure hyperglyceridemia	E78.1
Mixed hyperlipidemia	E78.2
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Lipoprotein deficiency	E78.6
Other lipoprotein metabolism disorders	E78.89
Disorder of lipoprotein metabolism, unspecified	E78.9
Metabolic syndrome	E88.81
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Prediabetes	R73.03
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49
Personal history of other endocrine, nutritional and metabolic disease	Z86.39

Lp-PLA₂ Activity

Clinical Indications: Patients with CVD, obesity, hypertension, diabetes, prediabetes, metabolic syndrome, smoking, periodontal disease, tobacco use, cardiac arrhythmias, heart failure, sleep apnea, gout and renal, liver or thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.__ - E11.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Mixed hyperlipidemia	E78.2
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Metabolic syndrome	E88.81
Current smoker (dependence-cigarettes)	F17.210
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Unspecified atrial fibrillation	I48.91
Prediabetes	R73.03

Lp(a)

Clinical Indications: Patients with CVD, a family history of CVD, hyperlipidemia, aortic stenosis, peripheral vascular disease, peripheral artery disease, renal and thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Lipoprotein deficiency	E78.6
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49

Myeloperoxidase (MPO)

Clinical Indications: Patients with CVD, angina pectoris, dyspnea, heart failure, cardiac arrhythmias, obesity, hypertension, diabetes, sleep apnea, prediabetes, tobacco use, gout, and liver, renal or thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Disorder of thyroid, unspecified	E07.9
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Familial hypercholesterolemia	E78.01
Pure hyperglyceridemia	E78.1
Mixed hyperlipidemia	E78.2
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Disorder of lipoprotein metabolism, unspecified	E78.9
Metabolic syndrome	E88.81
Current smoker (dependence-cigarettes)	F17.210
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Unspecified atrial fibrillation	I48.91
Chronic kidney disease, unspecified	N18.9
Dyspnea, unspecified	R06.00
Prediabetes	R73.03
Personal history of nicotine dependence	Z87.891

NT-Pro B-Type Natriuretic Peptide (BNP)

Clinical Indications: Patients with CVD, heart failure, hypertension, diabetes, arrhythmias, edema, cardiomyopathy, sleep apnea, fatigue, COPD, dyspnea, heart valve or renal diseases

Common Indications	ICD-10 CODES
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Unspecified atrial fibrillation	I48.91
Heart failure	I50._
Heart disease, unspecified	I51.9
Dyspnea, unspecified	R06.00
Fatigue	R53.83

Small Dense LDL (sdLDL)

Clinical Indications: Patients with CVD, a family history of CVD, obesity, diabetes, prediabetes, metabolic syndrome, hypertension, dyslipidemia, low HDL-C, high triglycerides, sleep apnea, tobacco use, and renal, liver, or thyroid disease

Common Indications	ICD-10 CODES
Hypothyroidism, unspecified	E03.9
Type 2 diabetes	E11.__ - E11.9
Overweight	E66.3
Obesity, unspecified	E66.9
Pure hypercholesterolemia	E78.00
Mixed hyperlipidemia	E78.2
Elevated Lipoprotein(a)	E78.41
Hyperlipidemia, unspecified	E78.5
Disorder of lipoprotein metabolism, unspecified	E78.9
Metabolic syndrome	E88.81
Current smoker (dependence-cigarettes)	F17.210
Essential (primary) hypertension	I10
Atherosclerotic heart disease of native coronary artery without angina pectoris	I25.10
Prediabetes	R73.03
Family history of ischemic heart disease and other diseases of the circulatory system	Z82.49

Vitamin D, 25OH

Clinical Indications: Patients with CVD, diabetes, hypertension, with or at risk for osteoporosis, hypercalcemia, renal and parathyroid disorders

Common Indications	ICD-10 CODES-
Vitamin D deficiency, unspecified	E55.9
Hypercalcemia	E83.52
Age-related osteoporosis without current pathological fracture	M81.0
Disorder of bone density and structure, unspecified	M85.9
End stage renal disease	N18.6
Chronic kidney disease, unspecified	N18.9

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