

# **SUPPLEMENTAL MATERIAL**

**Table S1. Diagnoses ICD Codes.**

1. Hypertension	ICD-9	ICD-9-CM Diagnosis Labeling	ICD-10	ICD-10-PCS Diagnosis Labeling
	437.2	Hypertensive encephalopathy	I67.4	Hypertensive encephalopathy
	401.0	Malignant essential hypertension	I10	Essential (primary) hypertension
	401.1	Benign essential hypertension	I10	Essential (primary) hypertension
	401.9	Essential hypertension, unspecified	I10	Essential (primary) hypertension
	402.00	Malignant hypertensive heart disease without congestive heart failure	I11.9	Hypertensive heart disease without heart failure
	402.01	Malignant hypertensive heart disease with congestive heart failure	I11.0	Hypertensive heart disease with heart failure
	402.10	Benign hypertensive heart disease without congestive heart failure	I11.9	Hypertensive heart disease without heart failure
	402.11	Benign hypertensive heart disease with congestive heart failure	I11.0	Hypertensive heart disease with heart failure
	402.90	Unspecified hypertensive heart disease without congestive heart failure	I11.9	Hypertensive heart disease without heart failure
	402.91	Unspecified hypertensive heart disease with congestive heart failure	I11.0	Hypertensive heart disease with heart failure
	403.00	Malignant hypertensive renal disease without mention of renal failure	I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
	403.01	Malignant hypertensive renal disease with renal failure	I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
	403.10	Benign hypertensive renal disease without mention of renal failure	I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
	403.11	Benign hypertensive renal disease with renal failure	I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
	403.90	Unspecified hypertensive renal disease without mention of renal failure	I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
	403.91	Unspecified hypertensive renal disease with renal failure	I12.0	Hypertensive chronic kidney disease with stage 5 chronic kidney disease or end stage renal disease
	403.91	Unspecified hypertensive renal disease with renal failure	I12.9	Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease
	404.00	Malignant hypertensive heart and renal disease without mention of congestive heart failure or renal failure	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

	404.01	Malignant hypertensive heart and renal disease with congestive heart failure	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
	404.02	Malignant hypertensive heart and renal disease with renal failure	I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
	404.03	Malignant hypertensive heart and renal disease with congestive heart failure and renal failure	I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
	404.10	Benign hypertensive heart and renal disease without mention of congestive heart failure or renal failure	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
	404.11	Benign hypertensive heart and renal disease with congestive heart failure	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
	404.12	Benign hypertensive heart and renal disease with renal failure	I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
	404.13	Benign hypertensive heart and renal disease with congestive heart failure and renal failure	I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
	404.90	Unspecified hypertensive heart and renal disease without mention of congestive heart failure or renal failure	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
	404.91	Unspecified hypertensive heart and renal disease with congestive heart failure	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
	404.92	Unspecified hypertensive heart and renal disease with renal failure	I13.11	Hypertensive heart and chronic kidney disease without heart failure, with stage 5 chronic kidney disease, or end stage renal disease
	404.93	Unspecified hypertensive heart and renal disease with congestive heart failure and renal failure	I13.2	Hypertensive heart and chronic kidney disease with heart failure and with stage 5 chronic kidney disease, or end stage renal disease
	405.01	Malignant renovascular secondary hypertension	I15.0	Renovascular hypertension
	405.09	Other malignant secondary hypertension	I15.8	Other secondary hypertension
	405.11	Benign renovascular secondary hypertension	I15.0	Renovascular hypertension
	405.19	Other benign secondary hypertension	I15.8	Other secondary hypertension

	405.91	Unspecified renovascular secondary hypertension	I15.0	Renovascular hypertension
	405.91	Unspecified renovascular secondary hypertension	I15.1	Hypertension secondary to other renal disorders
	405.99	Other unspecified secondary hypertension	I15.2	Hypertension secondary to endocrine disorders
	405.99	Other unspecified secondary hypertension	I15.8	Other secondary hypertension
	405.99	Other unspecified secondary hypertension	I15.9	Secondary hypertension, unspecified
	416.0	Primary pulmonary hypertension	I27.0	Primary pulmonary hypertension
	416.8	Other chronic pulmonary heart diseases	I27.2	Other secondary pulmonary hypertension
	997.91	Complications affecting other specified body system, not elsewhere classified, hypertension	I97.3	Postprocedural hypertension
2. Diabetes	<b>ICD-9</b>	<b>ICD-9-CM Diagnosis Labeling</b>	<b>ICD-10</b>	<b>ICD-10-PCS Diagnosis Labeling</b>
	250.00	Diabetes mellitus without mention of complication, Type II [non-insulin dependent type][NIDDM type] [adult-onset type] or unspecified type, not stated as uncontrolled	E11.9	Type 2 diabetes mellitus without complications
	250.00	Diabetes mellitus without mention of complication, Type II [non-insulin dependent type][NIDDM type] [adult-onset type] or unspecified type, not stated as uncontrolled	E13.9	Other specified diabetes mellitus without complications
	250.01	Diabetes mellitus without mention of complication, Type I [insulin dependent type] [IDDM] [juvenile type], not stated as uncontrolled	E10.9	Type 1 diabetes mellitus without complications
	250.02	Diabetes mellitus without mention of complication, Type II [non-insulin dependent type] [NIDDM type] [adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
	250.03	Diabetes mellitus without mention of complication, Type I [insulin dependent type] [IDDM] [juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
	250.10	Diabetes with ketoacidosis, Type II [non-insulin dependent type] [NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
	250.11	Diabetes with ketoacidosis, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.10	Type 1 diabetes mellitus with ketoacidosis without coma
	250.12	Diabetes with ketoacidosis, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
	250.12	Diabetes with ketoacidosis, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.69	Type 2 diabetes mellitus with other specified complication
	250.13	Diabetes with ketoacidosis, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.10	Type 1 diabetes mellitus with ketoacidosis without coma

250.13	Diabetes with ketoacidosis, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.00	Diabetes mellitus due to underlying condition with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.01	Diabetes mellitus due to underlying condition with hyperosmolarity with coma
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.00	Drug or chemical induced diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.01	Drug or chemical induced diabetes mellitus with hyperosmolarity with coma
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
250.20	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.01	Other specified diabetes mellitus with hyperosmolarity with coma
250.21	Diabetes with hyperosmolar coma, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.69	Type 1 diabetes mellitus with other specified complication
250.22	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][ adult-onset type ] or unspecified type, uncontrolled	E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
250.22	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][ adult-onset type ] or unspecified type, uncontrolled	E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma
250.22	Diabetes with hyperosmolar coma, Type II [non-insulin dependent type][NIDDM type][ adult-onset type ] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
250.23	Diabetes with hyperosmolar coma, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
250.23	Diabetes with hyperosmolar coma, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.69	Type 1 diabetes mellitus with other specified complication

250.30	Diabetes with other coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.641	Diabetes mellitus due to underlying condition with hypoglycemia with coma
250.30	Diabetes with other coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.641	Drug or chemical induced diabetes mellitus with hypoglycemia with coma
250.30	Diabetes with other coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.641	Type 2 diabetes mellitus with hypoglycemia with coma
250.30	Diabetes with other coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.11	Other specified diabetes mellitus with ketoacidosis with coma
250.30	Diabetes with other coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.641	Other specified diabetes mellitus with hypoglycemia with coma
250.31	Diabetes with other coma, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.11	Type 1 diabetes mellitus with ketoacidosis with coma
250.31	Diabetes with other coma, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.641	Type 1 diabetes mellitus with hypoglycemia with coma
250.32	Diabetes with other coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.641	Type 2 diabetes mellitus with hypoglycemia with coma
250.32	Diabetes with other coma, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
250.33	Diabetes with other coma, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.11	Type 1 diabetes mellitus with ketoacidosis with coma
250.33	Diabetes with other coma, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
250.40	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.21	Type 2 diabetes mellitus with diabetic nephropathy
250.40	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease
250.40	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.29	Type 2 diabetes mellitus with other diabetic kidney complication

250.40	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.21	Other specified diabetes mellitus with diabetic nephropathy
250.40	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease
250.40	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.29	Other specified diabetes mellitus with other diabetic kidney complication
250.41	Diabetes with renal manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.21	Type 1 diabetes mellitus with diabetic nephropathy
250.41	Diabetes with renal manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease
250.41	Diabetes with renal manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.29	Type 1 diabetes mellitus with other diabetic kidney complication
250.42	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.21	Type 2 diabetes mellitus with diabetic nephropathy
250.42	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease
250.42	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.29	Type 2 diabetes mellitus with other diabetic kidney complication
250.42	Diabetes with renal manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
250.43	Diabetes with renal manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.21	Type 1 diabetes mellitus with diabetic nephropathy
250.43	Diabetes with renal manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema

250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.321	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.329	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.331	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.339	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.341	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.349	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.351	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.359	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E08.36	Diabetes mellitus due to underlying condition with diabetic cataract
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema



250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.321	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.329	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.331	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.339	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.341	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.349	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.351	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.359	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E09.36	Drug or chemical induced diabetes mellitus with diabetic cataract
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-	E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema

		onset type ] or unspecified type ,not stated as uncontrolled		
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
	250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.36	Type 2 diabetes mellitus with diabetic cataract

250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.321	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.329	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.331	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.339	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.341	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema

250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.36	Type 2 diabetes mellitus with diabetic cataract
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.311	Other specified diabetes mellitus with unspecified diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.319	Other specified diabetes mellitus with unspecified diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.321	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.329	Other specified diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.331	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema

250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.339	Other specified diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.341	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.349	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.351	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.359	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.36	Other specified diabetes mellitus with diabetic cataract
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication
250.53	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
250.53	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
250.53	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.36	Type 1 diabetes mellitus with diabetic cataract
250.53	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication
250.53	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.40	Diabetes mellitus due to underlying condition with diabetic neuropathy, unspecified
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-	E08.41	Diabetes mellitus due to underlying condition with diabetic mononeuropathy

		onset type] or unspecified type ,not stated as uncontrolled		
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.42	Diabetes mellitus due to underlying condition with diabetic polyneuropathy
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.43	Diabetes mellitus due to underlying condition with diabetic autonomic (poly)neuropathy
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.44	Diabetes mellitus due to underlying condition with diabetic amyotrophy
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.49	Diabetes mellitus due to underlying condition with other diabetic neurological complication
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.40	Drug or chemical induced diabetes mellitus with neurological complications with diabetic neuropathy, unspecified
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.41	Drug or chemical induced diabetes mellitus with neurological complications with diabetic mononeuropathy
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.42	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.43	Drug or chemical induced diabetes mellitus with neurological complications with diabetic autonomic (poly)neuropathy
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.44	Drug or chemical induced diabetes mellitus with neurological complications with diabetic amyotrophy
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.49	Drug or chemical induced diabetes mellitus with neurological complications with other diabetic neurological complication

250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.44	Type 2 diabetes mellitus with diabetic amyotrophy
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.49	Type 2 diabetes mellitus with other diabetic neurological complication
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.41	Other specified diabetes mellitus with diabetic mononeuropathy
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.42	Other specified diabetes mellitus with diabetic polyneuropathy
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy
250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-	E13.44	Other specified diabetes mellitus with diabetic amyotrophy

		onset type] or unspecified type ,not stated as uncontrolled		
	250.60	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.49	Other specified diabetes mellitus with other diabetic neurological complication
	250.61	Diabetes with neurological manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
	250.61	Diabetes with neurological manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy
	250.61	Diabetes with neurological manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.44	Type 1 diabetes mellitus with diabetic amyotrophy
	250.61	Diabetes with neurological manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.49	Type 1 diabetes mellitus with other diabetic neurological complication
	250.61	Diabetes with neurological manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy
	250.62	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
	250.62	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy
	250.62	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy
	250.62	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy
	250.62	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.44	Type 2 diabetes mellitus with diabetic amyotrophy
	250.62	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.49	Type 2 diabetes mellitus with other diabetic neurological complication
	250.62	Diabetes with neurological manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia



	250.63	Diabetes with neurological manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
	250.63	Diabetes with neurological manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.51	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy without gangrene
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.52	Diabetes mellitus due to underlying condition with diabetic peripheral angiopathy with gangrene
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E08.59	Diabetes mellitus due to underlying condition with other circulatory complications
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.51	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy without gangrene
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.52	Drug or chemical induced diabetes mellitus with diabetic peripheral angiopathy with gangrene
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E09.59	Drug or chemical induced diabetes mellitus with other circulatory complications
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E11.59	Type 2 diabetes mellitus with other circulatory complications

250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.349	Other specified diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.351	Other specified diabetes mellitus with proliferative diabetic retinopathy with macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.359	Other specified diabetes mellitus with proliferative diabetic retinopathy without macular edema
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.36	Other specified diabetes mellitus with diabetic cataract
250.50	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type ,not stated as uncontrolled	E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication
250.51	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
250.51	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
250.51	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.36	Type 1 diabetes mellitus with diabetic cataract
250.51	Diabetes with ophthalmic manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.311	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.319	Diabetes mellitus due to underlying condition with unspecified diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.321	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy with macular edema

250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.329	Diabetes mellitus due to underlying condition with mild nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.331	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.339	Diabetes mellitus due to underlying condition with moderate nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.341	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.349	Diabetes mellitus due to underlying condition with severe nonproliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.351	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.359	Diabetes mellitus due to underlying condition with proliferative diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.36	Diabetes mellitus due to underlying condition with diabetic cataract
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.39	Diabetes mellitus due to underlying condition with other diabetic ophthalmic complication
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E08.39	Diabetes mellitus due to underlying condition with other diabetic ophthalmic complication
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.311	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.319	Drug or chemical induced diabetes mellitus with unspecified diabetic retinopathy without macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.321	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.329	Drug or chemical induced diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema

	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.331	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.339	Drug or chemical induced diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.341	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.349	Drug or chemical induced diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.351	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy with macular edema
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.359	Drug or chemical induced diabetes mellitus with proliferative diabetic retinopathy without macular edema
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.36	Drug or chemical induced diabetes mellitus with diabetic cataract
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.39	Drug or chemical induced diabetes mellitus with other diabetic ophthalmic complication
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E09.39	Drug or chemical induced diabetes mellitus with other diabetic ophthalmic complication
	250.52	Diabetes with ophthalmic manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type ] or unspecified type, uncontrolled	E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
	357.2	Polyneuropathy in diabetes	E08.42	Diabetes mellitus due to underlying condition with diabetic polyneuropathy
	357.2	Polyneuropathy in diabetes	E09.42	Drug or chemical induced diabetes mellitus with neurological complications with diabetic polyneuropathy
	357.2	Polyneuropathy in diabetes	E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
	357.2	Polyneuropathy in diabetes	E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy
	357.2	Polyneuropathy in diabetes	E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified

	357.2	Polyneuropathy in diabetes	E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy
	357.2	Polyneuropathy in diabetes	E13.42	Other specified diabetes mellitus with diabetic polyneuropathy
	362.01	Background diabetic retinopathy	E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
	362.01	Background diabetic retinopathy	E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
	362.01	Background diabetic retinopathy	E11.321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
	362.01	Background diabetic retinopathy	E11.329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
	362.01	Background diabetic retinopathy	E11.331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
	362.01	Background diabetic retinopathy	E11.339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
	362.01	Background diabetic retinopathy	E11.341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
	362.01	Background diabetic retinopathy	E11.349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
	362.02	Proliferative diabetic retinopathy	E11.351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema
	362.02	Proliferative diabetic retinopathy	E11.359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
	366.41	Diabetic cataract	E08.36	Diabetes mellitus due to underlying condition with diabetic cataract
	366.41	Diabetic cataract	E09.36	Drug or chemical induced diabetes mellitus with diabetic cataract
	366.41	Diabetic cataract	E10.36	Type 1 diabetes mellitus with diabetic cataract
	366.41	Diabetic cataract	E11.36	Type 2 diabetes mellitus with diabetic cataract
	366.41	Diabetic cataract	E13.36	Other specified diabetes mellitus with diabetic cataract
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.51	Other specified diabetes mellitus with diabetic peripheral angiopathy without gangrene
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-	E13.52	Other specified diabetes mellitus with diabetic peripheral angiopathy with gangrene

		onset type] or unspecified type ,not stated as uncontrolled		
	250.70	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type ,not stated as uncontrolled	E13.59	Other specified diabetes mellitus with other circulatory complications
	250.71	Diabetes with peripheral circulatory disorders, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
	250.71	Diabetes with peripheral circulatory disorders, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
	250.71	Diabetes with peripheral circulatory disorders, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.59	Type 1 diabetes mellitus with other circulatory complications
	250.72	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
	250.72	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
	250.72	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.59	Type 2 diabetes mellitus with other circulatory complications
	250.72	Diabetes with peripheral circulatory disorders, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
	250.73	Diabetes with peripheral circulatory disorders, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
	250.73	Diabetes with peripheral circulatory disorders, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
	250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy
	250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.618	Type 2 diabetes mellitus with other diabetic arthropathy

250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.620	Type 2 diabetes mellitus with diabetic dermatitis
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.621	Type 2 diabetes mellitus with foot ulcer
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.622	Type 2 diabetes mellitus with other skin ulcer
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.628	Type 2 diabetes mellitus with other skin complications
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.630	Type 2 diabetes mellitus with periodontal disease
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.638	Type 2 diabetes mellitus with other oral complications
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.649	Type 2 diabetes mellitus with hypoglycemia without coma
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
250.80	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.69	Type 2 diabetes mellitus with other specified complication
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.618	Type 1 diabetes mellitus with other diabetic arthropathy
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.620	Type 1 diabetes mellitus with diabetic dermatitis

250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.621	Type 1 diabetes mellitus with foot ulcer
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.622	Type 1 diabetes mellitus with other skin ulcer
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.628	Type 1 diabetes mellitus with other skin complications
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.630	Type 1 diabetes mellitus with periodontal disease
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.638	Type 1 diabetes mellitus with other oral complications
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.649	Type 1 diabetes mellitus with hypoglycemia without coma
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
250.81	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.69	Type 1 diabetes mellitus with other specified complication
250.82	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
250.82	Diabetes with other specified manifestations, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.69	Type 2 diabetes mellitus with other specified complication
250.83	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
250.83	Diabetes with other specified manifestations, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.69	Type 1 diabetes mellitus with other specified complication
250.90	Diabetes with unspecified complication, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E08.8	Diabetes mellitus due to underlying condition with unspecified complications
250.90	Diabetes with unspecified complication, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E09.8	Drug or chemical induced diabetes mellitus with unspecified complications



	250.90	Diabetes with unspecified complication, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E11.8	Type 2 diabetes mellitus with unspecified complications
	250.90	Diabetes with unspecified complication, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, not stated as uncontrolled	E13.8	Other specified diabetes mellitus with unspecified complications
	250.91	Diabetes with unspecified complication, Type I [insulin dependent type][IDDM][juvenile type], not stated as uncontrolled	E10.8	Type 1 diabetes mellitus with unspecified complications
	250.92	Diabetes with unspecified complication, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.65	Type 2 diabetes mellitus with hyperglycemia
	250.92	Diabetes with unspecified complication, Type II [non-insulin dependent type][NIDDM type][adult-onset type] or unspecified type, uncontrolled	E11.8	Type 2 diabetes mellitus with unspecified complications
	250.93	Diabetes with unspecified complication, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.65	Type 1 diabetes mellitus with hyperglycemia
	250.93	Diabetes with unspecified complication, Type I [insulin dependent type][IDDM][juvenile type], uncontrolled	E10.8	Type 1 diabetes mellitus with unspecified complications
	251.8	Other specified disorders of pancreatic internal secretion	E08.00	Diabetes mellitus due to underlying condition with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
	251.8	Other specified disorders of pancreatic internal secretion	E08.59	Diabetes mellitus due to underlying condition with other circulatory complications
	251.8	Other specified disorders of pancreatic internal secretion	E09.00	Drug or chemical induced diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
	251.8	Other specified disorders of pancreatic internal secretion	E09.59	Drug or chemical induced diabetes mellitus with other circulatory complications
	251.8	Other specified disorders of pancreatic internal secretion	E13.00	Other specified diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
	251.8	Other specified disorders of pancreatic internal secretion	E13.01	Other specified diabetes mellitus with hyperosmolarity with coma
	251.8	Other specified disorders of pancreatic internal secretion	E13.10	Other specified diabetes mellitus with ketoacidosis without coma
	251.8	Other specified disorders of pancreatic internal secretion	E13.11	Other specified diabetes mellitus with ketoacidosis with coma
	251.8	Other specified disorders of pancreatic internal secretion	E13.21	Other specified diabetes mellitus with diabetic nephropathy

	251.8	Other specified disorders of pancreatic internal secretion	E13.22	Other specified diabetes mellitus with diabetic chronic kidney disease
	251.8	Other specified disorders of pancreatic internal secretion	E13.29	Other specified diabetes mellitus with other diabetic kidney complication
	251.8	Other specified disorders of pancreatic internal secretion	E13.39	Other specified diabetes mellitus with other diabetic ophthalmic complication
	251.8	Other specified disorders of pancreatic internal secretion	E13.40	Other specified diabetes mellitus with diabetic neuropathy, unspecified
	251.8	Other specified disorders of pancreatic internal secretion	E13.41	Other specified diabetes mellitus with diabetic mononeuropathy
	251.8	Other specified disorders of pancreatic internal secretion	E13.42	Other specified diabetes mellitus with diabetic polyneuropathy
	251.8	Other specified disorders of pancreatic internal secretion	E13.43	Other specified diabetes mellitus with diabetic autonomic (poly)neuropathy
	251.8	Other specified disorders of pancreatic internal secretion	E13.44	Other specified diabetes mellitus with diabetic amyotrophy
	251.8	Other specified disorders of pancreatic internal secretion	E13.49	Other specified diabetes mellitus with other diabetic neurological complication
	251.8	Other specified disorders of pancreatic internal secretion	E13.59	Other specified diabetes mellitus with other circulatory complications
	251.8	Other specified disorders of pancreatic internal secretion	E13.620	Other specified diabetes mellitus with diabetic dermatitis
	251.8	Other specified disorders of pancreatic internal secretion	E13.621	Other specified diabetes mellitus with foot ulcer
	251.8	Other specified disorders of pancreatic internal secretion	E13.622	Other specified diabetes mellitus with other skin ulcer
	251.8	Other specified disorders of pancreatic internal secretion	E13.628	Other specified diabetes mellitus with other skin complications
	251.8	Other specified disorders of pancreatic internal secretion	E13.638	Other specified diabetes mellitus with other oral complications
	251.8	Other specified disorders of pancreatic internal secretion	E13.641	Other specified diabetes mellitus with hypoglycemia with coma
	251.8	Other specified disorders of pancreatic internal secretion	E13.649	Other specified diabetes mellitus with hypoglycemia without coma
	251.8	Other specified disorders of pancreatic internal secretion	E13.65	Other specified diabetes mellitus with hyperglycemia
	251.8	Other specified disorders of pancreatic internal secretion	E13.69	Other specified diabetes mellitus with other specified complication
	251.8	Other specified disorders of pancreatic internal secretion	E13.8	Other specified diabetes mellitus with unspecified complications
	251.8	Other specified disorders of pancreatic internal secretion	E13.9	Other specified diabetes mellitus without complications

	253.5	Diabetes insipidus	E23.2	Diabetes insipidus
	583.81	Nephritis and nephropathy, not specified as acute or chronic, in diseases classified elsewhere	E10.21	Type 1 diabetes mellitus with diabetic nephropathy
	583.81	Nephritis and nephropathy, not specified as acute or chronic, in diseases classified elsewhere	E11.21	Type 2 diabetes mellitus with diabetic nephropathy
3. Congestive heart failure	ICD-9	ICD-9-CM Diagnosis Labeling	ICD-10	ICD-10-PCS Diagnosis Labeling
	402.01	Malignant hypertensive heart disease with heart failure	I50.1	Left ventricular failure
	402.11	Benign hypertensive heart disease with heart failure	I50.20	Unspecified systolic (congestive) heart failure
	402.91	Unspecified hypertensive heart disease with heart failure	I50.21	Acute systolic (congestive) heart failure
	404.01	Malignant hypertensive heart and renal disease with heart failure	I50.22	Chronic systolic (congestive) heart failure
	404.03	Malignant hypertensive heart and renal disease with heart failure and renal failure	I50.23	Acute on chronic systolic (congestive) heart failure
	404.11	Benign hypertensive heart and renal disease with heart failure	I50.30	Unspecified diastolic (congestive) heart failure
	404.13	Benign hypertensive heart and renal disease with heart failure and renal failure	I50.31	Acute diastolic (congestive) heart failure
	404.91	Unspecified hypertensive heart and renal disease with heart failure	I50.32	Chronic diastolic (congestive) heart failure
	404.93	Unspecified hypertensive heart and renal disease with heart failure and renal failure	I50.33	Acute on chronic diastolic (congestive) heart failure
	428.0	Congestive heart failure	I50.40	Unspecified combined systolic (congestive) and diastolic (congestive) heart failure
	428.1	Left heart failure	I50.41	Acute combined systolic (congestive) and diastolic (congestive) heart failure
	428.9	Unspecified heart failure	I50.42	Chronic combined systolic (congestive) and diastolic (congestive) heart failure
	398.91	Rheumatic heart failure	I50.43	Acute on chronic combined systolic (congestive) and diastolic (congestive) heart failure
4. Coronary artery disease	ICD-9	ICD-9-CM Diagnosis Labeling	ICD-10	ICD-10-PCS Diagnosis Labeling
	429.2	Cardiovascular disease, unspecified	I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris
	414.01	Coronary atherosclerosis of native coronary artery	I25.10	Atherosclerotic heart disease of native coronary artery without angina pectoris
	414.01	Coronary atherosclerosis of native coronary artery	I25.110	Atherosclerotic heart disease of native coronary artery with unstable angina pectoris

	414.01	Coronary atherosclerosis of native coronary artery	I25.111	Atherosclerotic heart disease of native coronary artery with angina pectoris with documented spasm
	414.01	Coronary atherosclerosis of native coronary artery	I25.118	Atherosclerotic heart disease of native coronary artery with other forms of angina pectoris
	414.01	Coronary atherosclerosis of native coronary artery	I25.119	Atherosclerotic heart disease of native coronary artery with unspecified angina pectoris
	414.11	Aneurysm of coronary vessels	I25.41	Coronary artery aneurysm
	414.11	Aneurysm of coronary vessels	I25.42	Coronary artery dissection
	414.05	Coronary atherosclerosis	I25.700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris
	414.05	Coronary atherosclerosis	I25.701	Atherosclerosis of coronary artery bypass graft(s), unspecified, with angina pectoris with documented spasm
	414.05	Coronary atherosclerosis	I25.708	Atherosclerosis of coronary artery bypass graft(s), unspecified, with other forms of angina pectoris
	414.05	Coronary atherosclerosis	I25.709	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unspecified angina pectoris
	414.02	Coronary atherosclerosis of autologous vein bypass graft	I25.710	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unstable angina pectoris
	414.02	Coronary atherosclerosis of autologous vein bypass graft	I25.711	Atherosclerosis of autologous vein coronary artery bypass graft(s) with angina pectoris with documented spasm
	414.02	Coronary atherosclerosis of autologous vein bypass graft	I25.718	Atherosclerosis of autologous vein coronary artery bypass graft(s) with other forms of angina pectoris
	414.02	Coronary atherosclerosis of autologous vein bypass graft	I25.719	Atherosclerosis of autologous vein coronary artery bypass graft(s) with unspecified angina pectoris
	414.04	Coronary atherosclerosis of artery bypass graft	I25.720	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unstable angina pectoris
	414.04	Coronary atherosclerosis of artery bypass graft	I25.721	Atherosclerosis of autologous artery coronary artery bypass graft(s) with angina pectoris with documented spasm
	414.04	Coronary atherosclerosis of artery bypass graft	I25.728	Atherosclerosis of autologous artery coronary artery bypass graft(s) with other forms of angina pectoris
	414.04	Coronary atherosclerosis of artery bypass graft	I25.729	Atherosclerosis of autologous artery coronary artery bypass graft(s) with unspecified angina pectoris
	414.03	Coronary atherosclerosis of nonautologous biological bypass graft	I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris

	414.05	Coronary atherosclerosis	I25.730	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unstable angina pectoris
	414.03	Coronary atherosclerosis of nonautologous biological bypass graft	I25.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
	414.05	Coronary atherosclerosis	I25.731	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with angina pectoris with documented spasm
	414.03	Coronary atherosclerosis of nonautologous biological bypass graft	I25.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
	414.05	Coronary atherosclerosis	I25.738	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with other forms of angina pectoris
	414.03	Coronary atherosclerosis of nonautologous biological bypass graft	I25.739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris
	414.05	Coronary atherosclerosis	I25.739	Atherosclerosis of nonautologous biological coronary artery bypass graft(s) with unspecified angina pectoris
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina
	414.01	Coronary atherosclerosis of native coronary artery	I25.750	Atherosclerosis of native coronary artery of transplanted heart with unstable angina
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
	414.01	Coronary atherosclerosis of native coronary artery	I25.751	Atherosclerosis of native coronary artery of transplanted heart with angina pectoris with documented spasm
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris
	414.01	Coronary atherosclerosis of native coronary artery	I25.758	Atherosclerosis of native coronary artery of transplanted heart with other forms of angina pectoris
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris

	414.01	Coronary atherosclerosis of native coronary artery	I25.759	Atherosclerosis of native coronary artery of transplanted heart with unspecified angina pectoris
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
	414.05	Coronary atherosclerosis	I25.760	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unstable angina
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
	414.05	Coronary atherosclerosis	I25.761	Atherosclerosis of bypass graft of coronary artery of transplanted heart with angina pectoris with documented spasm
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris
	414.05	Coronary atherosclerosis	I25.768	Atherosclerosis of bypass graft of coronary artery of transplanted heart with other forms of angina pectoris
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris
	414.05	Coronary atherosclerosis	I25.769	Atherosclerosis of bypass graft of coronary artery of transplanted heart with unspecified angina pectoris
	414.05	Coronary atherosclerosis	I25.790	Atherosclerosis of other coronary artery bypass graft(s) with unstable angina pectoris
	414.05	Coronary atherosclerosis	I25.791	Atherosclerosis of other coronary artery bypass graft(s) with angina pectoris with documented spasm
	414.05	Coronary atherosclerosis	I25.798	Atherosclerosis of other coronary artery bypass graft(s) with other forms of angina pectoris
	414.05	Coronary atherosclerosis	I25.799	Atherosclerosis of other coronary artery bypass graft(s) with unspecified angina pectoris
	414.05	Coronary atherosclerosis	I25.810	Atherosclerosis of coronary artery bypass graft(s) without angina pectoris
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris
	414.01	Coronary atherosclerosis of native coronary artery	I25.811	Atherosclerosis of native coronary artery of transplanted heart without angina pectoris
	414.00	Coronary atherosclerosis of unspecified type vessel, native or graft	I25.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris

	414.02	Coronary atherosclerosis of autologous vein bypass graft	I25.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris
	414.05	Coronary atherosclerosis	I25.812	Atherosclerosis of bypass graft of coronary artery of transplanted heart without angina pectoris
5. Myocardial infarction	ICD-9	ICD-9-CM Diagnosis Labeling	ICD-10	ICD-10-PCS Diagnosis Labeling
	429.5	Rupture of chordae tendineae	I23.4	Rupture of chordae tendineae as current complication following acute myocardial infarction
	429.6	Rupture of papillary muscle	I23.5	Rupture of papillary muscle as current complication following acute myocardial infarction
	429.71	Acquired cardiac septal defect	I23.1	Atrial septal defect as current complication following acute myocardial infarction
	429.71	Acquired cardiac septal defect	I23.2	Ventricular septal defect as current complication following acute myocardial infarction
	429.79	Other certain sequelae of myocardial infarction, not elsewhere classified	I23.0	Hemopericardium as current complication following acute myocardial infarction
	429.79	Other certain sequelae of myocardial infarction, not elsewhere classified	I23.3	Rupture of cardiac wall without hemopericardium as current complication following acute myocardial infarction
	429.79	Other certain sequelae of myocardial infarction, not elsewhere classified	I23.6	Thrombosis of atrium, auricular appendage, and ventricle as current complications following acute myocardial infarction
	429.79	Other certain sequelae of myocardial infarction, not elsewhere classified	I23.8	Other current complications following acute myocardial infarction
	410.00	Acute myocardial infarction of anterolateral wall, episode of care unspecified	I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
	410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
	410.01	Acute myocardial infarction of anterolateral wall, initial episode of care	I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall
	410.02	Acute myocardial infarction of anterolateral wall, subsequent episode of care	I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
	410.10	Acute myocardial infarction of other anterior wall, episode of care unspecified	I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
	410.11	Acute myocardial infarction of other anterior wall, initial episode of care	I21.01	ST elevation (STEMI) myocardial infarction involving left main coronary artery
	410.11	Acute myocardial infarction of other anterior wall, initial episode of care	I21.02	ST elevation (STEMI) myocardial infarction involving left anterior descending coronary artery
	410.11	Acute myocardial infarction of other anterior wall, initial episode of care	I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
	410.11	Acute myocardial infarction of other anterior wall, initial episode of care	I22.0	Subsequent ST elevation (STEMI) myocardial infarction of anterior wall

410.12	Acute myocardial infarction of other anterior wall, subsequent episode of care	I21.09	ST elevation (STEMI) myocardial infarction involving other coronary artery of anterior wall
410.20	Acute myocardial infarction of inferolateral wall, episode of care unspecified	I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
410.21	Acute myocardial infarction of inferolateral wall, initial episode of care	I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
410.22	Acute myocardial infarction of inferolateral wall, subsequent episode of care	I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
410.30	Acute myocardial infarction of inferoposterior wall, episode of care unspecified	I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery
410.31	Acute myocardial infarction of inferoposterior wall, initial episode of care	I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
410.32	Acute myocardial infarction of inferoposterior wall, subsequent episode of care	I21.11	ST elevation (STEMI) myocardial infarction involving right coronary artery
410.40	Acute myocardial infarction of other inferior wall, episode of care unspecified	I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
410.41	Acute myocardial infarction of other inferior wall, initial episode of care	I22.1	Subsequent ST elevation (STEMI) myocardial infarction of inferior wall
410.42	Acute myocardial infarction of other inferior wall, subsequent episode of care	I21.19	ST elevation (STEMI) myocardial infarction involving other coronary artery of inferior wall
410.50	Acute myocardial infarction of other lateral wall, episode of care unspecified	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
410.51	Acute myocardial infarction of other lateral wall, initial episode of care	I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites
410.52	Acute myocardial infarction of other lateral wall, subsequent episode of care	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
410.60	Acute true posterior wall myocardial infarction, episode of care unspecified	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
410.61	Acute true posterior wall myocardial infarction, initial episode of care	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
410.61	Acute true posterior wall myocardial infarction, initial episode of care	I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites
410.62	Acute true posterior wall myocardial infarction, subsequent episode of care	I21.29	ST elevation (STEMI) myocardial infarction involving other sites



	410.70	Acute subendocardial infarction, episode of care unspecified	I21.4	Non-ST elevation (NSTEMI) myocardial infarction
	410.71	Acute subendocardial infarction, initial episode of care	I21.4	Non-ST elevation (NSTEMI) myocardial infarction
	410.71	Acute subendocardial infarction, initial episode of care	I22.2	Subsequent non-ST elevation (NSTEMI) myocardial infarction
	410.72	Acute subendocardial infarction, subsequent episode of care	I21.4	Non-ST elevation (NSTEMI) myocardial infarction
	410.80	Acute myocardial infarction of other specified sites, episode of care unspecified	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
	410.81	Acute myocardial infarction of other specified sites, initial episode of care	I21.21	ST elevation (STEMI) myocardial infarction involving left circumflex coronary artery
	410.81	Acute myocardial infarction of other specified sites, initial episode of care	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
	410.81	Acute myocardial infarction of other specified sites, initial episode of care	I22.8	Subsequent ST elevation (STEMI) myocardial infarction of other sites
	410.82	Acute myocardial infarction of other specified sites, subsequent episode of care	I21.29	ST elevation (STEMI) myocardial infarction involving other sites
	410.90	Acute myocardial infarction of unspecified site, episode of care unspecified	I21.3	ST elevation (STEMI) myocardial infarction of unspecified site
	410.91	Acute myocardial infarction of unspecified site, initial episode of care	I21.3	ST elevation (STEMI) myocardial infarction of unspecified site
	410.91	Acute myocardial infarction of unspecified site, initial episode of care	I22.9	Subsequent ST elevation (STEMI) myocardial infarction of unspecified site
	410.92	Acute myocardial infarction of unspecified site, subsequent episode of care	I21.3	ST elevation (STEMI) myocardial infarction of unspecified site
	411.81	Coronary occlusion without myocardial infarction	I24.0	Acute coronary thrombosis not resulting in myocardial infarction
	412	Old myocardial infarction	I25.2	Old myocardial infarction
6. Peripheral artery disease	ICD-9	ICD-9-CM Diagnosis Labeling	ICD-10	ICD-10-PCS Diagnosis Labeling
	440.8	Atherosclerosis of other specified arteries	I70.8	Atherosclerosis of other arteries
	443.89	Other specified peripheral vascular diseases	I73.89	Other specified peripheral vascular diseases
	443.9	Peripheral vascular disease, unspecified	I73.9	Peripheral vascular disease, unspecified
	440.20	Atherosclerosis of the extremities, unspecified	I70.201	Unspecified atherosclerosis of native arteries of extremities, right leg
	440.20	Atherosclerosis of the extremities, unspecified	I70.202	Unspecified atherosclerosis of native arteries of extremities, left leg
	440.20	Atherosclerosis of the extremities, unspecified	I70.203	Unspecified atherosclerosis of native arteries of extremities, bilateral legs
	440.20	Atherosclerosis of the extremities, unspecified	I70.208	Unspecified atherosclerosis of native arteries of extremities, other extremity

	440.20	Atherosclerosis of the extremities, unspecified	I70.209	Unspecified atherosclerosis of native arteries of extremities, unspecified extremity
	440.21	Atherosclerosis of the extremities with intermittent claudication	I70.211	Atherosclerosis of native arteries of extremities with intermittent claudication, right leg
	440.21	Atherosclerosis of the extremities with intermittent claudication	I70.212	Atherosclerosis of native arteries of extremities with intermittent claudication, left leg
	440.21	Atherosclerosis of the extremities with intermittent claudication	I70.213	Atherosclerosis of native arteries of extremities with intermittent claudication, bilateral legs
	440.21	Atherosclerosis of the extremities with intermittent claudication	I70.218	Atherosclerosis of native arteries of extremities with intermittent claudication, other extremity
	440.21	Atherosclerosis of the extremities with intermittent claudication	I70.219	Atherosclerosis of native arteries of extremities with intermittent claudication, unspecified extremity
	440.22	Atherosclerosis of the extremities with rest pain	I70.221	Atherosclerosis of native arteries of extremities with rest pain, right leg
	440.22	Atherosclerosis of the extremities with rest pain	I70.222	Atherosclerosis of native arteries of extremities with rest pain, left leg
	440.22	Atherosclerosis of the extremities with rest pain	I70.223	Atherosclerosis of native arteries of extremities with rest pain, bilateral legs
	440.22	Atherosclerosis of the extremities with rest pain	I70.228	Atherosclerosis of native arteries of extremities with rest pain, other extremity
	440.22	Atherosclerosis of the extremities with rest pain	I70.229	Atherosclerosis of native arteries of extremities with rest pain, unspecified extremity
	440.23	Atherosclerosis of the extremities with ulceration	I70.231	Atherosclerosis of native arteries of right leg with ulceration of thigh
	440.23	Atherosclerosis of the extremities with ulceration	I70.232	Atherosclerosis of native arteries of right leg with ulceration of calf
	440.23	Atherosclerosis of the extremities with ulceration	I70.233	Atherosclerosis of native arteries of right leg with ulceration of ankle
	440.23	Atherosclerosis of the extremities with ulceration	I70.234	Atherosclerosis of native arteries of right leg with ulceration of heel and midfoot
	440.23	Atherosclerosis of the extremities with ulceration	I70.235	Atherosclerosis of native arteries of right leg with ulceration of other part of foot
	440.23	Atherosclerosis of the extremities with ulceration	I70.238	Atherosclerosis of native arteries of right leg with ulceration of other part of lower right leg
	440.23	Atherosclerosis of the extremities with ulceration	I70.239	Atherosclerosis of native arteries of right leg with ulceration of unspecified site
	440.23	Atherosclerosis of the extremities with ulceration	I70.241	Atherosclerosis of native arteries of left leg with ulceration of thigh
	440.23	Atherosclerosis of the extremities with ulceration	I70.242	Atherosclerosis of native arteries of left leg with ulceration of calf

	440.23	Atherosclerosis of the extremities with ulceration	I70.243	Atherosclerosis of native arteries of left leg with ulceration of ankle
	440.23	Atherosclerosis of the extremities with ulceration	I70.244	Atherosclerosis of native arteries of left leg with ulceration of heel and midfoot
	440.23	Atherosclerosis of the extremities with ulceration	I70.245	Atherosclerosis of native arteries of left leg with ulceration of other part of foot
	440.23	Atherosclerosis of the extremities with ulceration	I70.248	Atherosclerosis of native arteries of left leg with ulceration of other part of lower left leg
	440.23	Atherosclerosis of the extremities with ulceration	I70.249	Atherosclerosis of native arteries of left leg with ulceration of unspecified site
	440.23	Atherosclerosis of the extremities with ulceration	I70.25	Atherosclerosis of native arteries of other extremities with ulceration
	440.24	Atherosclerosis of the extremities with gangrene	I70.261	Atherosclerosis of native arteries of extremities with gangrene, right leg
	440.24	Atherosclerosis of the extremities with gangrene	I70.262	Atherosclerosis of native arteries of extremities with gangrene, left leg
	440.24	Atherosclerosis of the extremities with gangrene	I70.263	Atherosclerosis of native arteries of extremities with gangrene, bilateral legs
	440.24	Atherosclerosis of the extremities with gangrene	I70.268	Atherosclerosis of native arteries of extremities with gangrene, other extremity
	440.24	Atherosclerosis of the extremities with gangrene	I70.269	Atherosclerosis of native arteries of extremities with gangrene, unspecified extremity
	440.29	Other atherosclerosis of native arteries of the extremities	I70.291	Other atherosclerosis of native arteries of extremities, right leg
	440.29	Other atherosclerosis of native arteries of the extremities	I70.292	Other atherosclerosis of native arteries of extremities, left leg
	440.29	Other atherosclerosis of native arteries of the extremities	I70.293	Other atherosclerosis of native arteries of extremities, bilateral legs
	440.29	Other atherosclerosis of native arteries of the extremities	I70.298	Other atherosclerosis of native arteries of extremities, other extremity
	440.29	Other atherosclerosis of native arteries of the extremities	I70.299	Other atherosclerosis of native arteries of extremities, unspecified extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.301	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.302	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.303	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.308	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, other extremity

	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.309	Unspecified atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.311	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, right leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.312	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, left leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.313	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.318	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, other extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.319	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.321	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, right leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.322	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, left leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.323	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, bilateral legs
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.328	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, other extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.329	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with rest pain, unspecified extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.331	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of thigh
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.332	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of calf
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.333	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of ankle
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.334	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of heel and midfoot

	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.335	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of foot
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.338	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of other part of lower leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.339	Atherosclerosis of unspecified type of bypass graft(s) of the right leg with ulceration of unspecified site
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.341	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of thigh
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.342	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of calf
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.343	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of ankle
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.344	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of heel and midfoot
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.345	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of foot
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.348	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of other part of lower leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.349	Atherosclerosis of unspecified type of bypass graft(s) of the left leg with ulceration of unspecified site
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.35	Atherosclerosis of unspecified type of bypass graft(s) of other extremity with ulceration
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.361	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, right leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.362	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, left leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.363	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, bilateral legs
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.368	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, other extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	170.369	Atherosclerosis of unspecified type of bypass graft(s) of the extremities with gangrene, unspecified extremity

440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.391	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.392	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.393	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.398	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.399	Other atherosclerosis of unspecified type of bypass graft(s) of the extremities, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.601	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.602	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.603	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.608	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.609	Unspecified atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.611	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.612	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.613	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.618	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.619	Atherosclerosis of nonbiological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.621	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.622	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.623	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, bilateral legs

440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.628	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.629	Atherosclerosis of nonbiological bypass graft(s) of the extremities with rest pain, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.631	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of thigh
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.632	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of calf
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.633	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of ankle
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.634	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of heel and midfoot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.635	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of foot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.638	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of other part of lower leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.639	Atherosclerosis of nonbiological bypass graft(s) of the right leg with ulceration of unspecified site
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.641	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of thigh
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.642	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of calf
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.643	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of ankle
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.644	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of heel and midfoot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.645	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of foot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.648	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of other part of lower leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.649	Atherosclerosis of nonbiological bypass graft(s) of the left leg with ulceration of unspecified site
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.65	Atherosclerosis of nonbiological bypass graft(s) of other extremity with ulceration
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.661	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.662	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, left leg

440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.663	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.668	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.669	Atherosclerosis of nonbiological bypass graft(s) of the extremities with gangrene, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.691	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.692	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.693	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.698	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.699	Other atherosclerosis of nonbiological bypass graft(s) of the extremities, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.701	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.702	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.703	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.708	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.709	Unspecified atherosclerosis of other type of bypass graft(s) of the extremities, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.711	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.712	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.713	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.718	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.719	Atherosclerosis of other type of bypass graft(s) of the extremities with intermittent claudication, unspecified extremity



440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.721	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, right leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.722	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, left leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.723	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, bilateral legs
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.728	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, other extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.729	Atherosclerosis of other type of bypass graft(s) of the extremities with rest pain, unspecified extremity
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.731	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of thigh
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.732	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of calf
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.733	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of ankle
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.734	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of heel and midfoot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.735	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of foot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.738	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of other part of lower leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.739	Atherosclerosis of other type of bypass graft(s) of the right leg with ulceration of unspecified site
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.741	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of thigh
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.742	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of calf
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.743	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of ankle
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.744	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of heel and midfoot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.745	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of foot
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.748	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of other part of lower leg
440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.749	Atherosclerosis of other type of bypass graft(s) of the left leg with ulceration of unspecified site

	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.75	Atherosclerosis of other type of bypass graft(s) of other extremity with ulceration
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.761	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, right leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.762	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, left leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.763	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, bilateral legs
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.768	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, other extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.769	Atherosclerosis of other type of bypass graft(s) of the extremities with gangrene, unspecified extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.791	Other atherosclerosis of other type of bypass graft(s) of the extremities, right leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.792	Other atherosclerosis of other type of bypass graft(s) of the extremities, left leg
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.793	Other atherosclerosis of other type of bypass graft(s) of the extremities, bilateral legs
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.798	Other atherosclerosis of other type of bypass graft(s) of the extremities, other extremity
	440.30	Atherosclerosis of unspecified bypass graft of the extremities	I70.799	Other atherosclerosis of other type of bypass graft(s) of the extremities, unspecified extremity
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.401	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.402	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.403	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.408	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.409	Unspecified atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.411	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, right leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.412	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, left leg

440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.413	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, bilateral legs
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.418	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, other extremity
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.419	Atherosclerosis of autologous vein bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.421	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, right leg
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.422	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, left leg
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.423	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, bilateral legs
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.428	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, other extremity
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.429	Atherosclerosis of autologous vein bypass graft(s) of the extremities with rest pain, unspecified extremity
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.431	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of thigh
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.432	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of calf
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.433	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of ankle
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.434	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of heel and midfoot
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.435	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of foot
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.438	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of other part of lower leg
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.439	Atherosclerosis of autologous vein bypass graft(s) of the right leg with ulceration of unspecified site
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.441	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of thigh
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.442	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of calf
440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.443	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of ankle

	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.444	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of heel and midfoot
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.445	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of foot
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.448	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of other part of lower leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.449	Atherosclerosis of autologous vein bypass graft(s) of the left leg with ulceration of unspecified site
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.45	Atherosclerosis of autologous vein bypass graft(s) of other extremity with ulceration
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.461	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, right leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.462	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, left leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.463	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, bilateral legs
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.468	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, other extremity
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.469	Atherosclerosis of autologous vein bypass graft(s) of the extremities with gangrene, unspecified extremity
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.491	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, right leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.492	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, left leg
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.493	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, bilateral legs
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.498	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, other extremity
	440.31	Atherosclerosis of autologous vein bypass graft of the extremities	I70.499	Other atherosclerosis of autologous vein bypass graft(s) of the extremities, unspecified extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.501	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.502	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.503	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs

	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.508	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.509	Unspecified atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.511	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, right leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.512	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, left leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.513	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, bilateral legs
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.518	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, other extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.519	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with intermittent claudication, unspecified extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.521	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, right leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.522	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, left leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.523	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, bilateral legs
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.528	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, other extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.529	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with rest pain, unspecified extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.531	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of thigh
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.532	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of calf

	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.533	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of ankle
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.534	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of heel and midfoot
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.535	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of foot
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.538	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of other part of lower leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.539	Atherosclerosis of nonautologous biological bypass graft(s) of the right leg with ulceration of unspecified site
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.541	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of thigh
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.542	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of calf
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.543	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of ankle
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.544	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of heel and midfoot
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.545	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of foot
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.548	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of other part of lower leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.549	Atherosclerosis of nonautologous biological bypass graft(s) of the left leg with ulceration of unspecified site
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.55	Atherosclerosis of nonautologous biological bypass graft(s) of other extremity with ulceration
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.561	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, right leg

	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.562	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, left leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.563	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, bilateral legs
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.568	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, other extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.569	Atherosclerosis of nonautologous biological bypass graft(s) of the extremities with gangrene, unspecified extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.591	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, right leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.592	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, left leg
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.593	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, bilateral legs
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.598	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, other extremity
	440.32	Atherosclerosis of nonautologous biological bypass graft of the extremities	I70.599	Other atherosclerosis of nonautologous biological bypass graft(s) of the extremities, unspecified extremity
7. Stroke / Ischemic stroke	ICD-9	ICD-9-CM Diagnosis Labeling	ICD-10	ICD-10-PCS Diagnosis Labeling
	433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I63.00	Cerebral infarction due to thrombosis of unspecified precerebral artery
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.011	Cerebral infarction due to thrombosis of right vertebral artery
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.012	Cerebral infarction due to thrombosis of left vertebral artery
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.019	Cerebral infarction due to thrombosis of unspecified vertebral artery
	433.01	Occlusion and stenosis of basilar artery with cerebral infarction	I63.02	Cerebral infarction due to thrombosis of basilar artery
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.031	Cerebral infarction due to thrombosis of right carotid artery
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.032	Cerebral infarction due to thrombosis of left carotid artery
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.039	Cerebral infarction due to thrombosis of unspecified carotid artery

	433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	I63.09	Cerebral infarction due to thrombosis of other precerebral artery
	433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I63.10	Cerebral infarction due to embolism of unspecified precerebral artery
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.111	Cerebral infarction due to embolism of right vertebral artery
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.112	Cerebral infarction due to embolism of left vertebral artery
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.119	Cerebral infarction due to embolism of unspecified vertebral artery
	433.01	Occlusion and stenosis of basilar artery with cerebral infarction	I63.12	Cerebral infarction due to embolism of basilar artery
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.131	Cerebral infarction due to embolism of right carotid artery
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.132	Cerebral infarction due to embolism of left carotid artery
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.139	Cerebral infarction due to embolism of unspecified carotid artery
	433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	I63.19	Cerebral infarction due to embolism of other precerebral artery
	433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I63.20	Cerebral infarction due to unspecified occlusion or stenosis of unspecified precerebral arteries
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.211	Cerebral infarction due to unspecified occlusion or stenosis of right vertebral arteries
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.212	Cerebral infarction due to unspecified occlusion or stenosis of left vertebral arteries
	433.21	Occlusion and stenosis of carotid artery with cerebral infarction	I63.219	Cerebral infarction due to unspecified occlusion or stenosis of unspecified vertebral arteries
	433.01	Occlusion and stenosis of basilar artery with cerebral infarction	I63.22	Cerebral infarction due to unspecified occlusion or stenosis of basilar arteries
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.231	Cerebral infarction due to unspecified occlusion or stenosis of right carotid arteries
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.232	Cerebral infarction due to unspecified occlusion or stenosis of left carotid arteries
	433.11	Occlusion and stenosis of carotid artery with cerebral infarction	I63.239	Cerebral infarction due to unspecified occlusion or stenosis of unspecified carotid arteries
	433.91	Occlusion and stenosis of unspecified precerebral artery with cerebral infarction	I63.29	Cerebral infarction due to unspecified occlusion or stenosis of other precerebral arteries
	434.01	Cerebral thrombosis with cerebral infarction	I63.30	Cerebral infarction due to thrombosis of unspecified cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.311	Cerebral infarction due to thrombosis of right middle cerebral artery



	434.01	Cerebral thrombosis with cerebral infarction	I63.312	Cerebral infarction due to thrombosis of left middle cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.319	Cerebral infarction due to thrombosis of unspecified middle cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.321	Cerebral infarction due to thrombosis of right anterior cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.322	Cerebral infarction due to thrombosis of left anterior cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.329	Cerebral infarction due to thrombosis of unspecified anterior cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.331	Cerebral infarction due to thrombosis of right posterior cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.332	Cerebral infarction due to thrombosis of left posterior cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.339	Cerebral infarction due to thrombosis of unspecified posterior cerebral artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.341	Cerebral infarction due to thrombosis of right cerebellar artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.342	Cerebral infarction due to thrombosis of left cerebellar artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.349	Cerebral infarction due to thrombosis of unspecified cerebellar artery
	434.01	Cerebral thrombosis with cerebral infarction	I63.39	Cerebral infarction due to thrombosis of other cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.40	Cerebral infarction due to embolism of unspecified cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.411	Cerebral infarction due to embolism of right middle cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.412	Cerebral infarction due to embolism of left middle cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.419	Cerebral infarction due to embolism of unspecified middle cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.421	Cerebral infarction due to embolism of right anterior cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.422	Cerebral infarction due to embolism of left anterior cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.429	Cerebral infarction due to embolism of unspecified anterior cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.431	Cerebral infarction due to embolism of right posterior cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.432	Cerebral infarction due to embolism of left posterior cerebral artery

	434.11	Cerebral embolism with cerebral infarction	I63.439	Cerebral infarction due to embolism of unspecified posterior cerebral artery
	434.11	Cerebral embolism with cerebral infarction	I63.441	Cerebral infarction due to embolism of right cerebellar artery
	434.11	Cerebral embolism with cerebral infarction	I63.442	Cerebral infarction due to embolism of left cerebellar artery
	434.11	Cerebral embolism with cerebral infarction	I63.449	Cerebral infarction due to embolism of unspecified cerebellar artery
	434.11	Cerebral embolism with cerebral infarction	I63.49	Cerebral infarction due to embolism of other cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.50	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.511	Cerebral infarction due to unspecified occlusion or stenosis of right middle cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.512	Cerebral infarction due to unspecified occlusion or stenosis of left middle cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.519	Cerebral infarction due to unspecified occlusion or stenosis of unspecified middle cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.521	Cerebral infarction due to unspecified occlusion or stenosis of right anterior cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.522	Cerebral infarction due to unspecified occlusion or stenosis of left anterior cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.529	Cerebral infarction due to unspecified occlusion or stenosis of unspecified anterior cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.531	Cerebral infarction due to unspecified occlusion or stenosis of right posterior cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.532	Cerebral infarction due to unspecified occlusion or stenosis of left posterior cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.539	Cerebral infarction due to unspecified occlusion or stenosis of unspecified posterior cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.541	Cerebral infarction due to unspecified occlusion or stenosis of right cerebellar artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.542	Cerebral infarction due to unspecified occlusion or stenosis of left cerebellar artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.549	Cerebral infarction due to unspecified occlusion or stenosis of unspecified cerebellar artery
	433.31	Occlusion and stenosis of multiple and bilateral precerebral arteries with cerebral infarction	I63.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery
	433.81	Occlusion and stenosis of other specified precerebral artery with cerebral infarction	I63.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.59	Cerebral infarction due to unspecified occlusion or stenosis of other cerebral artery

	434.01	Cerebral thrombosis with cerebral infarction	I63.6	Cerebral infarction due to cerebral venous thrombosis, nonpyogenic
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.8	Other cerebral infarction
	434.91	Unspecified cerebral artery occlusion with cerebral infarction	I63.9	Cerebral infarction, unspecified
	437.3	Cerebral aneurysm, nonruptured	I67.0	Dissection of cerebral arteries, nonruptured
	437.3	Cerebral aneurysm, nonruptured	I67.1	Cerebral aneurysm, nonruptured
	437.0	Cerebral atherosclerosis	I67.2	Cerebral atherosclerosis
	046.3	Progressive multifocal leukoencephalopathy	I67.3	Progressive vascular leukoencephalopathy
	437.2	Hypertensive encephalopathy	I67.4	Hypertensive encephalopathy
	437.5	Moyamoya disease	I67.5	Moyamoya disease
	437.1	Other generalized ischemic cerebrovascular disease	I67.81	Acute cerebrovascular insufficiency
	437.1	Other generalized ischemic cerebrovascular disease	I67.82	Cerebral ischemia
	348.3	Encephalopathy, unspecified	I67.83	Posterior reversible encephalopathy syndrome
	435.9	Unspecified transient cerebral ischemia	I67.841	Reversible cerebrovascular vasoconstriction syndrome
	435.9	Unspecified transient cerebral ischemia	I67.848	Other cerebrovascular vasospasm and vasoconstriction
	436	Acute, but ill-defined, cerebrovascular disease	I67.89	Other cerebrovascular disease
	437.1	Other generalized ischemic cerebrovascular disease	I67.89	Other cerebrovascular disease
	437.8	Other and ill-defined cerebrovascular disease	I67.89	Other cerebrovascular disease
	437.9	Ill-defined cerebrovascular disease, unspecified	I67.9	Cerebrovascular disease, unspecified
	438.9	Unspecified late effects of cerebrovascular disease	I69.30	Unspecified sequelae of cerebral infarction
	438.0	Cognitive deficits, late effects of cerebrovascular disease	I69.31	Cognitive deficits following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.31	Cognitive deficits following cerebral infarction
	438.11	Aphasia, late effects of cerebrovascular disease	I69.320	Aphasia following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.320	Aphasia following cerebral infarction
	438.12	Dysphasia, late effects of cerebrovascular disease	I69.321	Dysphasia following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.321	Dysphasia following cerebral infarction
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	I69.322	Dysarthria following cerebral infarction
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	I69.323	Fluency disorder following cerebral infarction
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	I69.328	Other speech and language deficits following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.328	Other speech and language deficits following cerebral infarction
	438.31	Monoplegia of upper limb affecting dominant side, late effects of cerebrovascular disease	I69.331	Monoplegia of upper limb following cerebral infarction affecting right dominant side

	438.31	Monoplegia of upper limb affecting dominant side, late effects of cerebrovascular disease	I69.332	Monoplegia of upper limb following cerebral infarction affecting left dominant side
	438.32	Monoplegia of upper limb affecting nondominant side, late effects of cerebrovascular disease	I69.333	Monoplegia of upper limb following cerebral infarction affecting right non-dominant side
	438.32	Monoplegia of upper limb affecting nondominant side, late effects of cerebrovascular disease	I69.334	Monoplegia of upper limb following cerebral infarction affecting left non-dominant side
	438.30	Monoplegia of upper limb affecting unspecified side, late effects of cerebrovascular disease	I69.339	Monoplegia of upper limb following cerebral infarction affecting unspecified side
	438.41	Monoplegia of lower limb affecting dominant side, late effects of cerebrovascular disease	I69.341	Monoplegia of lower limb following cerebral infarction affecting right dominant side
	438.41	Monoplegia of lower limb affecting dominant side, late effects of cerebrovascular disease	I69.342	Monoplegia of lower limb following cerebral infarction affecting left dominant side
	438.42	Monoplegia of lower limb affecting nondominant side, late effects of cerebrovascular disease	I69.343	Monoplegia of lower limb following cerebral infarction affecting right non-dominant side
	438.42	Monoplegia of lower limb affecting nondominant side, late effects of cerebrovascular disease	I69.344	Monoplegia of lower limb following cerebral infarction affecting left non-dominant side
	438.40	Monoplegia of lower limb affecting unspecified side, late effects of cerebrovascular disease	I69.349	Monoplegia of lower limb following cerebral infarction affecting unspecified side
	438.9	Unspecified late effects of cerebrovascular disease	I69.349	Monoplegia of lower limb following cerebral infarction affecting unspecified side
	438.21	Hemiplegia affecting dominant side, late effects of cerebrovascular disease	I69.351	Hemiplegia and hemiparesis following cerebral infarction affecting right dominant side
	438.21	Hemiplegia affecting dominant side, late effects of cerebrovascular disease	I69.352	Hemiplegia and hemiparesis following cerebral infarction affecting left dominant side
	438.22	Hemiplegia affecting nondominant side, late effects of cerebrovascular disease	I69.353	Hemiplegia and hemiparesis following cerebral infarction affecting right non-dominant side
	438.22	Hemiplegia affecting nondominant side, late effects of cerebrovascular disease	I69.354	Hemiplegia and hemiparesis following cerebral infarction affecting left non-dominant side
	438.20	Hemiplegia affecting unspecified side, late effects of cerebrovascular disease	I69.359	Hemiplegia and hemiparesis following cerebral infarction affecting unspecified side
	438.51	Other paralytic syndrome affecting dominant side, late effects of cerebrovascular disease	I69.361	Other paralytic syndrome following cerebral infarction affecting right dominant side
	438.9	Unspecified late effects of cerebrovascular disease	I69.361	Other paralytic syndrome following cerebral infarction affecting right dominant side
	438.51	Other paralytic syndrome affecting dominant side, late effects of cerebrovascular disease	I69.362	Other paralytic syndrome following cerebral infarction affecting left dominant side
	438.9	Unspecified late effects of cerebrovascular disease	I69.362	Other paralytic syndrome following cerebral infarction affecting left dominant side
	438.52	Other paralytic syndrome affecting nondominant side, late effects of cerebrovascular disease	I69.363	Other paralytic syndrome following cerebral infarction affecting right non-dominant side
	438.9	Unspecified late effects of cerebrovascular disease	I69.363	Other paralytic syndrome following cerebral infarction affecting right non-dominant side

	438.52	Other paralytic syndrome affecting nondominant side, late effects of cerebrovascular disease	I69.364	Other paralytic syndrome following cerebral infarction affecting left non-dominant side
	438.9	Unspecified late effects of cerebrovascular disease	I69.364	Other paralytic syndrome following cerebral infarction affecting left non-dominant side
	438.53	Other paralytic syndrome, bilateral, late effects of cerebrovascular disease	I69.365	Other paralytic syndrome following cerebral infarction, bilateral
	438.9	Unspecified late effects of cerebrovascular disease	I69.365	Other paralytic syndrome following cerebral infarction, bilateral
	438.50	Other paralytic syndrome affecting unspecified side, late effects of cerebrovascular disease	I69.369	Other paralytic syndrome following cerebral infarction affecting unspecified side
	438.9	Unspecified late effects of cerebrovascular disease	I69.369	Other paralytic syndrome following cerebral infarction affecting unspecified side
	438.81	Apraxia, late effects of cerebrovascular disease	I69.390	Apraxia following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.390	Apraxia following cerebral infarction
	438.82	Dysphagia, late effects of cerebrovascular disease	I69.391	Dysphagia following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.391	Dysphagia following cerebral infarction
	438.89	Other late effects of cerebrovascular disease	I69.392	Facial weakness following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.392	Facial weakness following cerebral infarction
	438.89	Other late effects of cerebrovascular disease	I69.393	Ataxia following cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.393	Ataxia following cerebral infarction
	438.89	Other late effects of cerebrovascular disease	I69.398	Other sequelae of cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.398	Other sequelae of cerebral infarction
	438.9	Unspecified late effects of cerebrovascular disease	I69.80	Unspecified sequelae of other cerebrovascular disease
	438.0	Cognitive deficits, late effects of cerebrovascular disease	I69.81	Cognitive deficits following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	I69.81	Cognitive deficits following other cerebrovascular disease
	438.11	Aphasia, late effects of cerebrovascular disease	I69.820	Aphasia following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	I69.820	Aphasia following other cerebrovascular disease
	438.12	Dysphasia, late effects of cerebrovascular disease	I69.821	Dysphasia following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	I69.821	Dysphasia following other cerebrovascular disease
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	I69.822	Dysarthria following other cerebrovascular disease
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	I69.823	Fluency disorder following other cerebrovascular disease
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	I69.828	Other speech and language deficits following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	I69.828	Other speech and language deficits following other cerebrovascular disease

	438.31	Monoplegia of upper limb affecting dominant side, late effects of cerebrovascular disease	169.831	Monoplegia of upper limb following other cerebrovascular disease affecting right dominant side
	438.31	Monoplegia of upper limb affecting dominant side, late effects of cerebrovascular disease	169.832	Monoplegia of upper limb following other cerebrovascular disease affecting left dominant side
	438.32	Monoplegia of upper limb affecting nondominant side, late effects of cerebrovascular disease	169.833	Monoplegia of upper limb following other cerebrovascular disease affecting right non-dominant side
	438.32	Monoplegia of upper limb affecting nondominant side, late effects of cerebrovascular disease	169.834	Monoplegia of upper limb following other cerebrovascular disease affecting left non-dominant side
	438.30	Monoplegia of upper limb affecting unspecified side, late effects of cerebrovascular disease	169.839	Monoplegia of upper limb following other cerebrovascular disease affecting unspecified side
	438.41	Monoplegia of lower limb affecting dominant side, late effects of cerebrovascular disease	169.841	Monoplegia of lower limb following other cerebrovascular disease affecting right dominant side
	438.41	Monoplegia of lower limb affecting dominant side, late effects of cerebrovascular disease	169.842	Monoplegia of lower limb following other cerebrovascular disease affecting left dominant side
	438.42	Monoplegia of lower limb affecting nondominant side, late effects of cerebrovascular disease	169.843	Monoplegia of lower limb following other cerebrovascular disease affecting right non-dominant side
	438.42	Monoplegia of lower limb affecting nondominant side, late effects of cerebrovascular disease	169.844	Monoplegia of lower limb following other cerebrovascular disease affecting left non-dominant side
	438.40	Monoplegia of lower limb affecting unspecified side, late effects of cerebrovascular disease	169.849	Monoplegia of lower limb following other cerebrovascular disease affecting unspecified side
	438.9	Unspecified late effects of cerebrovascular disease	169.849	Monoplegia of lower limb following other cerebrovascular disease affecting unspecified side
	438.21	Hemiplegia affecting dominant side, late effects of cerebrovascular disease	169.851	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right dominant side
	438.21	Hemiplegia affecting dominant side, late effects of cerebrovascular disease	169.852	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left dominant side
	438.22	Hemiplegia affecting nondominant side, late effects of cerebrovascular disease	169.853	Hemiplegia and hemiparesis following other cerebrovascular disease affecting right non-dominant side
	438.22	Hemiplegia affecting nondominant side, late effects of cerebrovascular disease	169.854	Hemiplegia and hemiparesis following other cerebrovascular disease affecting left non-dominant side

	438.20	Hemiplegia affecting unspecified side, late effects of cerebrovascular disease	169.859	Hemiplegia and hemiparesis following other cerebrovascular disease affecting unspecified side
	438.51	Other paralytic syndrome affecting dominant side, late effects of cerebrovascular disease	169.861	Other paralytic syndrome following other cerebrovascular disease affecting right dominant side
	438.9	Unspecified late effects of cerebrovascular disease	169.861	Other paralytic syndrome following other cerebrovascular disease affecting right dominant side
	438.51	Other paralytic syndrome affecting dominant side, late effects of cerebrovascular disease	169.862	Other paralytic syndrome following other cerebrovascular disease affecting left dominant side
	438.9	Unspecified late effects of cerebrovascular disease	169.862	Other paralytic syndrome following other cerebrovascular disease affecting left dominant side
	438.52	Other paralytic syndrome affecting nondominant side, late effects of cerebrovascular disease	169.863	Other paralytic syndrome following other cerebrovascular disease affecting right non-dominant side
	438.9	Unspecified late effects of cerebrovascular disease	169.863	Other paralytic syndrome following other cerebrovascular disease affecting right non-dominant side
	438.52	Other paralytic syndrome affecting nondominant side, late effects of cerebrovascular disease	169.864	Other paralytic syndrome following other cerebrovascular disease affecting left non-dominant side
	438.9	Unspecified late effects of cerebrovascular disease	169.864	Other paralytic syndrome following other cerebrovascular disease affecting left non-dominant side
	438.53	Other paralytic syndrome, bilateral, late effects of cerebrovascular disease	169.865	Other paralytic syndrome following other cerebrovascular disease, bilateral
	438.9	Unspecified late effects of cerebrovascular disease	169.865	Other paralytic syndrome following other cerebrovascular disease, bilateral
	438.50	Other paralytic syndrome affecting unspecified side, late effects of cerebrovascular disease	169.869	Other paralytic syndrome following other cerebrovascular disease affecting unspecified side
	438.9	Unspecified late effects of cerebrovascular disease	169.869	Other paralytic syndrome following other cerebrovascular disease affecting unspecified side
	438.81	Apraxia, late effects of cerebrovascular disease	169.890	Apraxia following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	169.890	Apraxia following other cerebrovascular disease
	438.82	Dysphagia, late effects of cerebrovascular disease	169.891	Dysphagia following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	169.891	Dysphagia following other cerebrovascular disease
	438.89	Other late effects of cerebrovascular disease	169.892	Facial weakness following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	169.892	Facial weakness following other cerebrovascular disease

	438.89	Other late effects of cerebrovascular disease	169.893	Ataxia following other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	169.893	Ataxia following other cerebrovascular disease
	438.89	Other late effects of cerebrovascular disease	169.898	Other sequelae of other cerebrovascular disease
	438.9	Unspecified late effects of cerebrovascular disease	169.90	Unspecified sequelae of unspecified cerebrovascular disease
	438.0	Cognitive deficits, late effects of cerebrovascular disease	169.91	Cognitive deficits following unspecified cerebrovascular disease
	438.11	Aphasia, late effects of cerebrovascular disease	169.920	Aphasia following unspecified cerebrovascular disease
	438.12	Dysphasia, late effects of cerebrovascular disease	169.921	Dysphasia following unspecified cerebrovascular disease
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	169.922	Dysarthria following unspecified cerebrovascular disease
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	169.923	Fluency disorder following unspecified cerebrovascular disease
	438.10	Speech and language deficit, unspecified, late effects of cerebrovascular disease	169.928	Other speech and language deficits following unspecified cerebrovascular disease
	438.19	Other Speech and language deficits, late effects of cerebrovascular disease	169.928	Other speech and language deficits following unspecified cerebrovascular disease
	438.31	Monoplegia of upper limb affecting dominant side, late effects of cerebrovascular disease	169.931	Monoplegia of upper limb following unspecified cerebrovascular disease affecting right dominant side
	438.31	Monoplegia of upper limb affecting dominant side, late effects of cerebrovascular disease	169.932	Monoplegia of upper limb following unspecified cerebrovascular disease affecting left dominant side
	438.32	Monoplegia of upper limb affecting nondominant side, late effects of cerebrovascular disease	169.933	Monoplegia of upper limb following unspecified cerebrovascular disease affecting right non-dominant side
	438.32	Monoplegia of upper limb affecting nondominant side, late effects of cerebrovascular disease	169.934	Monoplegia of upper limb following unspecified cerebrovascular disease affecting left non-dominant side
	438.30	Monoplegia of upper limb affecting unspecified side, late effects of cerebrovascular disease	169.939	Monoplegia of upper limb following unspecified cerebrovascular disease affecting unspecified side
	438.41	Monoplegia of lower limb affecting dominant side, late effects of cerebrovascular disease	169.941	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right dominant side
	438.41	Monoplegia of lower limb affecting dominant side, late effects of cerebrovascular disease	169.942	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left dominant side
	438.42	Monoplegia of lower limb affecting nondominant side, late effects of cerebrovascular disease	169.943	Monoplegia of lower limb following unspecified cerebrovascular disease affecting right non-dominant side



	438.42	Monoplegia of lower limb affecting nondominant side, late effects of cerebrovascular disease	169.944	Monoplegia of lower limb following unspecified cerebrovascular disease affecting left non-dominant side
	438.40	Monoplegia of lower limb affecting unspecified side, late effects of cerebrovascular disease	169.949	Monoplegia of lower limb following unspecified cerebrovascular disease affecting unspecified side
	438.21	Hemiplegia affecting dominant side, late effects of cerebrovascular disease	169.951	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right dominant side
	438.21	Hemiplegia affecting dominant side, late effects of cerebrovascular disease	169.952	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left dominant side
	438.22	Hemiplegia affecting nondominant side, late effects of cerebrovascular disease	169.953	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting right non-dominant side
	438.22	Hemiplegia affecting nondominant side, late effects of cerebrovascular disease	169.954	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting left non-dominant side
	438.20	Hemiplegia affecting unspecified side, late effects of cerebrovascular disease	169.959	Hemiplegia and hemiparesis following unspecified cerebrovascular disease affecting unspecified side
	438.51	Other paralytic syndrome affecting dominant side, late effects of cerebrovascular disease	169.961	Other paralytic syndrome following unspecified cerebrovascular disease affecting right dominant side
	438.51	Other paralytic syndrome affecting dominant side, late effects of cerebrovascular disease	169.962	Other paralytic syndrome following unspecified cerebrovascular disease affecting left dominant side
	438.52	Other paralytic syndrome affecting nondominant side, late effects of cerebrovascular disease	169.963	Other paralytic syndrome following unspecified cerebrovascular disease affecting right non-dominant side
	438.52	Other paralytic syndrome affecting nondominant side, late effects of cerebrovascular disease	169.964	Other paralytic syndrome following unspecified cerebrovascular disease affecting left non-dominant side
	438.53	Other paralytic syndrome, bilateral, late effects of cerebrovascular disease	169.965	Other paralytic syndrome following unspecified cerebrovascular disease, bilateral
	438.50	Other paralytic syndrome affecting unspecified side, late effects of cerebrovascular disease	169.969	Other paralytic syndrome following unspecified cerebrovascular disease affecting unspecified side
	438.81	Apraxia, late effects of cerebrovascular disease	169.990	Apraxia following unspecified cerebrovascular disease
	438.82	Dysphagia, late effects of cerebrovascular disease	169.991	Dysphagia following unspecified cerebrovascular disease
	438.89	Other late effects of cerebrovascular disease	169.992	Facial weakness following unspecified cerebrovascular disease

	438.89	Other late effects of cerebrovascular disease	I69.993	Ataxia following unspecified cerebrovascular disease
	438.89	Other late effects of cerebrovascular disease	I69.998	Other sequelae following unspecified cerebrovascular disease
8. Atrial fibrillation	ICD-9	ICD-9-CM Diagnosis Labeling	ICD-10	ICD-10-PCS Diagnosis Labeling
	427.31	Atrial fibrillation	I48.0	Paroxysmal atrial fibrillation
	427.32	Atrial flutter	I48.1	Persistent atrial fibrillation
	427.31	Atrial fibrillation	I48.2	Chronic atrial fibrillation
	427.31	Atrial fibrillation	I48.91	Unspecified atrial fibrillation