

# **Supplemental Material**

**Table S1. ICD9 and ICD10 codes defining atherosclerotic cardiovascular disease.**

<b>ICD Type</b>	<b>ICD Code</b>	<b>Description</b>
ICD-10-CM	G450	Vertebro-basilar artery syndrome
ICD-10-CM	G451	Carotid artery syndrome (hemispheric)
ICD-10-CM	G452	Multiple and bilateral precerebral artery syndromes
ICD-10-CM	G453	Amaurosis fugax
ICD-10-CM	G454	Transient global amnesia
ICD-10-CM	G458	Oth transient cerebral ischemic attacks and related synd
ICD-10-CM	G459	Transient cerebral ischemic attack, unspecified
ICD-10-CM	I200	Unstable angina
ICD-10-CM	I201	Angina pectoris with documented spasm
ICD-10-CM	I208	Other forms of angina pectoris
ICD-10-CM	I209	Angina pectoris, unspecified
ICD-10-CM	I2102	STEMI involving left anterior descending coronary artery
ICD-10-CM	I2109	STEMI involving oth coronary artery of anterior wall
ICD-10-CM	I2111	STEMI involving right coronary artery
ICD-10-CM	I2119	STEMI involving oth coronary artery of inferior wall
ICD-10-CM	I2121	STEMI involving left circumflex coronary artery
ICD-10-CM	I2129	STEMI involving oth sites
ICD-10-CM	I213	ST elevation (STEMI) myocardial infarction of unsp site
ICD-10-CM	I214	Non-ST elevation (NSTEMI) myocardial infarction
ICD-10-CM	I219	Acute myocardial infarction, unspecified
ICD-10-CM	I222	Subsequent non-ST elevation (NSTEMI) myocardial infarction
ICD-10-CM	I240	Acute coronary thrombosis not resulting in myocardial infrc
ICD-10-CM	I241	Dressler's syndrome
ICD-10-CM	I248	Other forms of acute ischemic heart disease
ICD-10-CM	I249	Acute ischemic heart disease, unspecified
ICD-10-CM	I2510	Athscl heart disease of native coronary artery w/o ang pctrs
ICD-10-CM	I25110	Athscl heart disease of native cor art w unstable ang pctrs
ICD-10-CM	I25111	Athscl heart disease of native cor art w ang pctrs w spasm
ICD-10-CM	I25118	Athscl heart disease of native cor art w oth ang pctrs
ICD-10-CM	I25119	Athscl heart disease of native cor art w unsp ang pctrs
ICD-10-CM	I252	Old myocardial infarction
ICD-10-CM	I253	Aneurysm of heart
ICD-10-CM	I2542	Coronary artery dissection
ICD-10-CM	I255	Ischemic cardiomyopathy
ICD-10-CM	I256	silent myocardial ischemia
ICD-10-CM	I25700	Atherosclerosis of coronary artery bypass graft(s), unspecified, with unstable angina pectoris
ICD-10-CM	I25708	Atherosclerosis of CABG, unsp, w oth angina pectoris
ICD-10-CM	I25709	Atherosclerosis of CABG, unsp, w unsp angina pectoris

<b>ICD Type</b>	<b>ICD Code</b>	<b>Description</b>
ICD-10-CM	I25710	Athscl autologous vein CABG w unstable angina pectoris
ICD-10-CM	I25719	Athscl autologous vein CABG w unsp angina pectoris
ICD-10-CM	I25790	Atherosclerosis of CABG w unstable angina pectoris
ICD-10-CM	I25810	Atherosclerosis of CABG w/o angina pectoris
ICD-10-CM	I25811	Athscl native cor art of transplanted heart w/o ang pctr
ICD-10-CM	I2582	Chronic total occlusion of coronary artery
ICD-10-CM	I2583	Coronary atherosclerosis due to lipid rich plaque
ICD-10-CM	I2584	Coronary atherosclerosis due to calcified coronary lesion
ICD-10-CM	I2589	Other forms of chronic ischemic heart disease
ICD-10-CM	I259	Chronic ischemic heart disease, unspecified
ICD-10-CM	I609	Nontraumatic subarachnoid hemorrhage, unspecified
ICD-10-CM	I610	Nontraumatic interbl hemorrhage in hemisphere, subcortical
ICD-10-CM	I611	Nontraumatic interbl hemorrhage in hemisphere, cortical
ICD-10-CM	I612	Nontraumatic intracerebral hemorrhage in hemisphere, unsp
ICD-10-CM	I615	Nontraumatic intracerebral hemorrhage, intraventricular
ICD-10-CM	I619	Nontraumatic intracerebral hemorrhage, unspecified
ICD-10-CM	I6200	Nontraumatic subdural hemorrhage, unspecified
ICD-10-CM	I6201	Nontraumatic acute subdural hemorrhage
ICD-10-CM	I6202	Nontraumatic subacute subdural hemorrhage
ICD-10-CM	I6203	Nontraumatic chronic subdural hemorrhage
ICD-10-CM	I629	Nontraumatic intracranial hemorrhage, unspecified
ICD-10-CM	I63011	Cerebral infarction due to thrombosis of r verteb art
ICD-10-CM	I6309	Cerebral infarction due to thrombosis of precerebral artery
ICD-10-CM	I6310	Cerebral infarction due to embolism of unsp precerb artery
ICD-10-CM	I63112	Cerebral infarction due to embolism of left vertebral artery
ICD-10-CM	I63132	Cerebral infarction due to embolism of left carotid artery
ICD-10-CM	I63139	Cerebral infarction due to embolism of unsp carotid artery
ICD-10-CM	I6320	Cereb infrc due to unsp occls or stenosis of unsp precerb art
ICD-10-CM	I63211	Cerebral infrc due to unsp occls or stenosis of r verteb art
ICD-10-CM	I63212	Cerebral infrc due to unsp occls or stenosis of l verteb art
ICD-10-CM	I63231	Cereb infrc due to unsp occls or stenosis of right carotid art
ICD-10-CM	I63232	Cereb infrc due to unsp occls or stenosis of left carotid art
ICD-10-CM	I63239	Cereb infrc due to unsp occls or stenosis of unsp carotid art
ICD-10-CM	I6330	Cerebral infarction due to thombos unsp cerebral artery
ICD-10-CM	I63311	Cereb infrc due to thombos of right middle cerebral artery
ICD-10-CM	I63312	Cerebral infrc due to thombos of left middle cerebral artery
ICD-10-CM	I63319	Cerebral infrc due to thombos unsp middle cerebral artery
ICD-10-CM	I63332	Cerebral infrc due to thombos of left post cerebral artery
ICD-10-CM	I6340	Cerebral infarction due to embolism of unsp cerebral artery
ICD-10-CM	I63411	Cereb infrc due to embolism of right middle cerebral artery
ICD-10-CM	I63412	Cereb infrc due to embolism of left middle cerebral artery
ICD-10-CM	I63421	Cerebral infrc due to embolism of right ant cerebral artery
ICD-10-CM	I63432	Cerebral infrc due to embolism of left post cerebral artery

<b>ICD Type</b>	<b>ICD Code</b>	<b>Description</b>
ICD-10-CM	I6349	Cerebral infarction due to embolism of other cerebral artery
ICD-10-CM	I6350	Cereb infrc due to unsp occls or stenosis of unsp cerebr artery
ICD-10-CM	I63511	Cereb infrc d/t unsp occls or stenosis of right mid cerebr art
ICD-10-CM	I63512	Cereb infrc d/t unsp occls or stenosis of left mid cerebr art
ICD-10-CM	I63531	Cereb infrc d/t unsp occls or stenosis of right post cerebr art
ICD-10-CM	I63532	Cereb infrc d/t unsp occls or stenosis of left post cerebr art
ICD-10-CM	I63541	Cereb infrc due to unsp occls or stenosis of right cerebr art
ICD-10-CM	I63542	Cereb infrc due to unsp occls or stenosis of left cerebr art
ICD-10-CM	I6359	Cereb infrc due to unsp occls or stenosis of cerebral artery
ICD-10-CM	I638	Other cerebral infarction
ICD-10-CM	I639	Cerebral infarction, unspecified
ICD-10-CM	I6501	Occlusion and stenosis of right vertebral artery
ICD-10-CM	I6502	Occlusion and stenosis of left vertebral artery
ICD-10-CM	I6503	Occlusion and stenosis of bilateral vertebral arteries
ICD-10-CM	I6509	Occlusion and stenosis of unspecified vertebral artery
ICD-10-CM	I6521	Occlusion and stenosis of right carotid artery
ICD-10-CM	I6522	Occlusion and stenosis of left carotid artery
ICD-10-CM	I6523	Occlusion and stenosis of bilateral carotid arteries
ICD-10-CM	I6529	Occlusion and stenosis of unspecified carotid artery
ICD-10-CM	I658	Occlusion and stenosis of other precerebral arteries
ICD-10-CM	I6601	Occlusion and stenosis of right middle cerebral artery
ICD-10-CM	I6602	Occlusion and stenosis of left middle cerebral artery
ICD-10-CM	I6613	Occlusion and stenosis of bi anterior cerebral arteries
ICD-10-CM	I668	Occlusion and stenosis of other cerebral arteries
ICD-10-CM	I669	Occlusion and stenosis of unspecified cerebral artery
ICD-10-CM	I670	Dissection of cerebral arteries, nonruptured
ICD-10-CM	I671	Cerebral aneurysm, nonruptured
ICD-10-CM	I672	Cerebral atherosclerosis
ICD-10-CM	I674	Hypertensive encephalopathy
ICD-10-CM	I675	Moyamoya disease
ICD-10-CM	I676	Nonpyogenic thrombosis of intracranial venous system
ICD-10-CM	I6781	Acute cerebrovascular insufficiency
ICD-10-CM	I6782	Cerebral ischemia
ICD-10-CM	I67848	Other cerebrovascular vasospasm and vasoconstriction
ICD-10-CM	I6789	Other cerebrovascular disease
ICD-10-CM	I679	Cerebrovascular disease, unspecified
ICD-10-CM	I69053	Hemiplgia following ntrm subarach hemor aff right nondom side
ICD-10-CM	I69054	Hemiplgia following ntrm subarach hemor aff left nondom side
ICD-10-CM	I6910	Unsp sequelae of nontraumatic intracerebral hemorrhage
ICD-10-CM	I6911	Cognitive deficits following nontrau (Invalid, Non-Billable)
ICD-10-CM	I69154	Hemiplgia following ntrm intrcbl hemor aff left nondom side
ICD-10-CM	I6921	Cognitive deficits following oth ntr (Invalid, Non-Billable)
ICD-10-CM	I69291	Dysphagia following oth nontraumatic intracranial hemorrhage

ICD Type	ICD Code	Description
ICD-10-CM	I6930	Unspecified sequelae of cerebral infarction
ICD-10-CM	I6931	Cognitive deficits following cerebra (Invalid, Non-Billable)
ICD-10-CM	I69310	Attention and concentration deficit following cerebral infrc
ICD-10-CM	I69311	Memory deficit following cerebral infarction
ICD-10-CM	I69320	Aphasia following cerebral infarction
ICD-10-CM	I69321	Dysphasia following cerebral infarction
ICD-10-CM	I69322	Dysarthria following cerebral infarction
ICD-10-CM	I69328	Oth speech/lang deficits following cerebral infarction
ICD-10-CM	I69331	Monoplq upr lmb fol cerebral infrc aff right dominant side
ICD-10-CM	I69341	Monoplq low lmb fol cerebral infrc aff right dominant side
ICD-10-CM	I69351	Hemiplga following cerebral infrc aff right dominant side
ICD-10-CM	I69352	Hemiplga following cerebral infrc aff left dominant side
ICD-10-CM	I69354	Hemiplga following cerebral infrc affecting left nondom side
ICD-10-CM	I69359	Hemiplga following cerebral infarction affecting unsp side
ICD-10-CM	I69391	Dysphagia following cerebral infarction
ICD-10-CM	I69392	Facial weakness following cerebral infarction
ICD-10-CM	I69393	Ataxia following cerebral infarction
ICD-10-CM	I69398	Other sequelae of cerebral infarction
ICD-10-CM	I6981	Cognitive deficits following other c (Invalid, Non-Billable)
ICD-10-CM	I69820	Aphasia following other cerebrovascular disease
ICD-10-CM	I69854	Hemiplga fol oth cerebvasc disease aff left nondom side
ICD-10-CM	I69859	Hemiplga following oth cerebvasc disease affecting unsp side
ICD-10-CM	I69898	Other sequelae of other cerebrovascular disease
ICD-10-CM	I6990	Unspecified sequelae of unspecified cerebrovascular disease
ICD-10-CM	I69920	Aphasia following unspecified cerebrovascular disease
ICD-10-CM	I69928	Oth speech/lang deficits following unsp cerebvasc disease
ICD-10-CM	I69953	Hemiplga fol unsp cerebvasc disease aff right nondom side
ICD-10-CM	I69959	Hemiplga following unsp cerebvasc disease aff unsp side
ICD-10-CM	I69991	Dysphagia following unspecified cerebrovascular disease
ICD-10-CM	I69993	Ataxia following unspecified cerebrovascular disease
ICD-10-CM	I69998	Other sequelae following unspecified cerebrovascular disease
ICD-10-CM	I720	Aneurysm of carotid artery
ICD-10-CM	I722	Aneurysm of renal artery
ICD-10-CM	I723	Aneurysm of iliac artery
ICD-10-CM	I724	Aneurysm of artery of lower extremity
ICD-10-CM	I728	Aneurysm of other specified arteries
ICD-10-CM	I729	Aneurysm of unspecified site
ICD-10-CM	I7300	Raynaud's syndrome without gangrene
ICD-10-CM	I7301	Raynaud's syndrome with gangrene
ICD-10-CM	I731	Thromboangiitis obliterans [Buerger's disease]
ICD-10-CM	I7389	Other specified peripheral vascular diseases
ICD-10-CM	I739	Peripheral vascular disease, unspecified
ICD-10-CM	Z950	Presence of cardiac pacemaker

<b>ICD Type</b>	<b>ICD Code</b>	<b>Description</b>
ICD-10-CM	Z951	Presence of aortocoronary bypass graft
ICD-10-CM	Z952	Presence of prosthetic heart valve
ICD-10-CM	Z953	Presence of xenogenic heart valve
ICD-10-CM	Z954	Presence of other heart-valve replacement
ICD-10-CM	Z955	Presence of coronary angioplasty implant and graft
ICD-10-CM	Z95810	Presence of automatic (implantable) cardiac defibrillator
ICD-10-CM	Z95818	Presence of other cardiac implants and grafts
ICD-10-CM	Z95820	Peripheral vascular angioplasty status w implants and grafts
ICD-10-CM	Z95828	Presence of other vascular implants and grafts
ICD-10-CM	Z959	Presence of cardiac and vascular implant and graft, unsp
ICD-10-PCS	_0210099	Bypass 1 Cor Art from L Int Mammary w Autol Vn, Open
ICD-10-PCS	_021009W	Bypass 1 Cor Art from Aorta with Autol Vn, Open Approach
ICD-10-PCS	_02100A8	Bypass 1 Cor Art from R Int Mammary w Autol Art, Open
ICD-10-PCS	_02100A9	Bypass 1 Cor Art from L Int Mammary w Autol Art, Open
ICD-10-PCS	_02100AW	Bypass 1 Cor Art from Aorta with Autol Art, Open Approach
ICD-10-PCS	_02100Z8	Bypass 1 Cor Art from R Int Mammary, Open Approach
ICD-10-PCS	_02100Z9	Bypass 1 Cor Art from L Int Mammary, Open Approach
ICD-10-PCS	_021109W	Bypass 2 Cor Art from Aorta with Autol Vn, Open Approach
ICD-10-PCS	_02110A3	Bypass 2 Cor Art from Cor Art with Autol Art, Open Approach
ICD-10-PCS	_021209W	Bypass 3 Cor Art from Aorta with Autol Vn, Open Approach
ICD-10-PCS	_0213093	Bypass 4+ Cor Art from Cor Art with Autol Vn, Open Approach
ICD-10-PCS	_0270346	Dilate 1 Cor Art, Bifurc, w Drug-elut Intra, Perc
ICD-10-PCS	_027034Z	Dilation of 1 Cor Art with Drug-elut Intra, Perc Approach
ICD-10-PCS	_027036Z	Dilation of 1 Cor Art with 3 Drug-elut, Perc Approach
ICD-10-PCS	_02703DZ	Dilation of 1 Cor Art with Intralum Dev, Perc Approach
ICD-10-PCS	_02703Z6	Dilation of 1 Cor Art, Bifurc, Perc Approach
ICD-10-PCS	_02703ZZ	Dilation of Coronary Artery, One Artery, Perc Approach
ICD-10-PCS	_027134Z	Dilation of 2 Cor Art with Drug-elut Intra, Perc Approach
ICD-10-PCS	_0271356	Dilate of 2 Cor Art, Bifurc, with 2 Drug-elut, Perc Approach
ICD-10-PCS	_027135Z	Dilation of 2 Cor Art with 2 Drug-elut, Perc Approach
ICD-10-PCS	_0272346	Dilate 3 Cor Art, Bifurc, w Drug-elut Intra, Perc
ICD-10-PCS	_027234Z	Dilation of 3 Cor Art with Drug-elut Intra, Perc Approach
ICD-9-CM	412	OLD MYOCARDIAL INFARCT
ICD-9-CM	430	SUBARACHNOID HEMORRHAGE
ICD-9-CM	431	INTRACEREBRAL HEMORRHAG
ICD-9-CM	436	Acute, but ill-defined, cerebrovascular disease
ICD-9-CM	3950	RHEUMAT AORTIC STENOSIS
ICD-9-CM	4100	Acute myocardial infarction of anterolateral wall
ICD-9-CM	4104	Acute myocardial infarction of other inferior wall
ICD-9-CM	4107	Subendocardial infarction
ICD-9-CM	4110	POST MI SYNDROME
ICD-9-CM	4111	INTERMED CORONARY SYND
ICD-9-CM	4130	ANGINA DECUBITUS

<b>ICD Type</b>	<b>ICD Code</b>	<b>Description</b>
ICD-9-CM	4131	PRINZMETAL ANGINA
ICD-9-CM	4139	ANGINA PECTORIS NEC/NOS
ICD-9-CM	4140	Coronary atherosclerosis
ICD-9-CM	4141	Aneurysm and dissection of heart
ICD-9-CM	4142	CHR TOT OCCLUS COR ARTR
ICD-9-CM	4143	COR ATH D/T LPD RCH PLA
ICD-9-CM	4144	COR ATH D/T CALC COR LS
ICD-9-CM	4148	CHR ISCHEMIC HRT DIS NE
ICD-9-CM	4149	CHR ISCHEMIC HRT DIS NO
ICD-9-CM	4321	SUBDURAL HEMORRHAGE
ICD-9-CM	4329	INTRACRANIAL HEMORR NOS
ICD-9-CM	4331	Occlusion and stenosis of carotid artery
ICD-9-CM	4333	Occlusion and stenosis of multiple and bilateral precerebral arteries
ICD-9-CM	4350	BASILAR ARTERY SYNDROME
ICD-9-CM	4351	VERTEBRAL ARTERY SYNDRO
ICD-9-CM	4352	SUBCLAVIAN STEAL SYNDRO
ICD-9-CM	4353	VERTBROBASLR ARTERY SYN
ICD-9-CM	4358	TRANS CEREB ISCHEMIA NE
ICD-9-CM	4359	TRANS CEREB ISCHEMIA NO
ICD-9-CM	4370	CEREBRAL ATHEROSCLEROSI
ICD-9-CM	4371	AC CEREBROVASC INSUF NO
ICD-9-CM	4372	HYPERTENS ENCEPHALOPATH
ICD-9-CM	4373	NONRUPT CEREBRAL ANEURY
ICD-9-CM	4375	MOYAMOYA DISEASE
ICD-9-CM	4376	NONPYOGEN THROMBOS SINU
ICD-9-CM	4377	TRANSIENT GLOBAL AMNESI
ICD-9-CM	4378	CEREBROVASC DISEASE NEC
ICD-9-CM	4379	CEREBROVASC DISEASE NOS
ICD-9-CM	4380	LATE EF CV DIS-COGNF DE
ICD-9-CM	4384	Monoplegia of lower limb
ICD-9-CM	4386	ALTERATION OF SENSATION
ICD-9-CM	4387	DISTURBANCES OF VISION
ICD-9-CM	4389	LATE EFFECT CV DIS NOS
ICD-9-CM	4419	AORTIC ANEURYSM NOS
ICD-9-CM	4439	PERIPH VASCULAR DIS NOS
ICD-9-CM	25070	DMII CIRC NT ST UNCNTRL
ICD-9-CM	25071	DMI CIRC NT ST UNCNTRLD
ICD-9-CM	25072	DMII CIRC UNCNTRLD
ICD-9-CM	25073	DMI CIRC UNCNTRLD
ICD-9-CM	41000	AMI ANTEROLATERAL, UNSPE
ICD-9-CM	41001	AMI ANTEROLATERAL, INIT
ICD-9-CM	41010	AMI ANTERIOR WALL, UNSPE
ICD-9-CM	41011	AMI ANTERIOR WALL, INIT

<b>ICD Type</b>	<b>ICD Code</b>	<b>Description</b>
ICD-9-CM	41012	AMI ANTERIOR WALL,SUBSE
ICD-9-CM	41020	AMI INFEROLATERAL,UNSP
ICD-9-CM	41021	AMI INFEROLATERAL, INIT
ICD-9-CM	41030	AMI INFEROPOST, UNSPEC
ICD-9-CM	41031	AMI INFEROPOST, INITIAL
ICD-9-CM	41040	AMI INFERIOR WALL,UNSP
ICD-9-CM	41041	AMI INFERIOR WALL, INIT
ICD-9-CM	41042	AMI INFERIOR WALL,SUBSE
ICD-9-CM	41051	AMI LATERAL NEC, INITIA
ICD-9-CM	41060	TRUE POST INFARCT,UNSP
ICD-9-CM	41061	TRUE POST INFARCT, INIT
ICD-9-CM	41070	SUBENDO INFARCT, UNSPEC
ICD-9-CM	41071	SUBENDO INFARCT, INITIA
ICD-9-CM	41072	SUBENDO INFARCT, SUBSEQ
ICD-9-CM	41080	AMI NEC, UNSPECIFIED
ICD-9-CM	41081	AMI NEC, INITIAL
ICD-9-CM	41082	AMI NEC, SUBSEQUENT
ICD-9-CM	41090	AMI NOS, UNSPECIFIED
ICD-9-CM	41091	AMI NOS, INITIAL
ICD-9-CM	41092	AMI NOS, SUBSEQUENT
ICD-9-CM	41181	ACUTE COR OCCLSN W/O MI
ICD-9-CM	41189	AC ISCHEMIC HRT DIS NEC
ICD-9-CM	41400	COR ATH UNSP VSL NTV/GF
ICD-9-CM	41401	CRNRY ATHRSCL NATVE VSS
ICD-9-CM	41402	CRN ATH ATLG VN BPS GRF
ICD-9-CM	41404	COR ATH ARTRY BYPAS GRF
ICD-9-CM	41405	COR ATH BYPASS GRAFT NO
ICD-9-CM	41406	COR ATH NATV ART TP HRT
ICD-9-CM	41407	COR ATH BPS GRAFT TP HR
ICD-9-CM	41410	ANEURYSM OF HEART
ICD-9-CM	41411	ANEURYSM CORONARY VESSE
ICD-9-CM	41412	DISSECTION COR ARTERY
ICD-9-CM	43300	OCL BSLR ART WO INFRCT
ICD-9-CM	43310	OCL CRTD ART WO INFRCT
ICD-9-CM	43311	OCL CRTD ART W INFRCT
ICD-9-CM	43320	OCL VRTB ART WO INFRCT
ICD-9-CM	43321	OCL VRTB ART W INFRCT
ICD-9-CM	43330	OCL MLT BI ART WO INFRCT
ICD-9-CM	43331	OCL MLT BI ART W INFRCT
ICD-9-CM	43380	OCL SPCF ART WO INFRCT
ICD-9-CM	43381	OCL SPCF ART W INFRCT
ICD-9-CM	43390	OCL ART NOS WO INFRCT
ICD-9-CM	43391	OCL ART NOS W INFRCT



<b>ICD Type</b>	<b>ICD Code</b>	<b>Description</b>
ICD-9-CM	43400	CRBL THRMBS WO INFRCT
ICD-9-CM	43401	CRBL THRMBS W INFRCT
ICD-9-CM	43410	CRBL EMBLSM WO INFRCT
ICD-9-CM	43411	CRBL EMBLSM W INFRCT
ICD-9-CM	43490	CRBL ART OC NOS WO INFR
ICD-9-CM	43491	CRBL ART OCL NOS W INFR
ICD-9-CM	43810	LATE EF-SPCH/LNG DEF NO
ICD-9-CM	43811	LATE EFF CV DIS-APHASIA
ICD-9-CM	43812	LATE EFF CV DIS-DYSPHSI
ICD-9-CM	43813	LATE EFF CV-DYSARTHRIA
ICD-9-CM	43819	LATE EF-SPCH/LANG DF NE
ICD-9-CM	43820	LATE EF-HEMPLGA SIDE NO
ICD-9-CM	43821	LATE EF-HEMPLGA DOM SID
ICD-9-CM	43822	LATE EF-HEMIPLGA NON-DO
ICD-9-CM	43831	LATE EF-MPLGA UP LMB DO
ICD-9-CM	43841	LTE EF-MPLGA LOW LMB DO
ICD-9-CM	43882	LATE EF CV DIS DYSPHAGI
ICD-9-CM	43883	FACIAL WEAKNESS
ICD-9-CM	43884	ATAXIA
ICD-9-CM	43885	VERTIGO
ICD-9-CM	43889	LATE EFFECT CV DIS NEC
ICD-9-CM	44020	ATHSCL EXTRM NTV ART NO
ICD-9-CM	44021	ATH EXT NTV AT W CLAUDC
ICD-9-CM	44022	ATH EXT NTV AT W RST PN
ICD-9-CM	44023	ATH EXT NTV ART ULCRTIO
ICD-9-CM	44024	ATH EXT NTV ART GNGRENE
ICD-9-CM	44029	ATHRSC EXTRM NTV ART OT
ICD-9-CM	44381	ANGIOPATHY IN OTHER DIS
ICD-9-CM	44389	PERIPH VASCULAR DIS NEC
ICD-9-PCS	3606	INS NONDRUG ELUT COR ST
ICD-9-PCS	3607	INS DRUG-ELUT CORONRY ST
ICD-9-PCS	3611	AORTOCOR BYPAS-1 COR ART
ICD-9-PCS	3612	AORTOCOR BYPAS-2 COR ART
ICD-9-PCS	3613	AORTOCOR BYPAS-3 COR ART
ICD-9-PCS	3615	1 INT MAM-COR ART BYPASS
ICD-9-PCS	3616	2 INT MAM-COR ART BYPASS
ICD-9-PCS	3619	HRT REVAS BYPS ANAS NEC
ICD-9-PCS	_0066	PTCA OR CORONARY ATHER

**Table S2. Prescription lipid lowering therapy drugs.**

<b>Brand Name</b>	<b>Generic Name</b>
PRALUENT PEN	alirocumab
EZETIMIBE-SIMVASTATIN	ezetimibe/simvastatin
VYTORIN	ezetimibe/simvastatin
CHOLESTYRAMINE	cholestyramine (with sugar)
CHOLESTYRAMINE LIGHT	cholestyramine/aspartame
COLESTIPOL HCL	colestipol HCl
PREVALITE	cholestyramine/aspartame
WELCHOL	colesevelam HCl
ANTARA	fenofibrate,micronized
FENOFIBRATE	fenofibrate
FENOFIBRATE	fenofibrate nanocrystallized
FENOFIBRATE	fenofibrate,micronized
FENOFIBRIC ACID	fenofibric acid (choline)
GEMFIBROZIL	gemfibrozil
TRICOR	fenofibrate nanocrystallized
ATORVASTATIN CALCIUM	atorvastatin calcium
CRESTOR	rosuvastatin calcium
FLUVASTATIN SODIUM	fluvastatin sodium
LIPITOR	atorvastatin calcium
LIVALO	pitavastatin calcium
LOVASTATIN	lovastatin
PRAVASTATIN SODIUM	pravastatin sodium
ROSUVASTATIN CALCIUM	rosuvastatin calcium
SIMVASTATIN	simvastatin
NIACIN ER	niacin
EZETIMIBE	ezetimibe
ZETIA	ezetimibe
LOVAZA	omega-3 acid ethyl esters
OMEGA-3 ACID ETHYL ESTERS	omega-3 acid ethyl esters
VASCEPA	icosapent ethyl

**Table S3. Prescription antihypertensive drugs.**

<b>Brand Name</b>	<b>Generic Name</b>
ACCURETIC	quinapril/hydrochlorothiazide
ACEBUTOLOL HCL	acebutolol HCl
ACETAZOLAMIDE	acetazolamide
ADEMPAS	riociguat
AMILORIDE HCL	amiloride HCl
AMILORIDE-HYDROCHLOROTHIAZIDE	amiloride/hydrochlorothiazide
AMLODIPINE BESYLATE	amlodipine besylate
AMLODIPINE BESYLATE-BENAZEPRIL	amlodipine besylate/benazepril
AMLODIPINE-OLMESARTAN	amlodipine bes/olmesartan med
AMLODIPINE-VALSARTAN	amlodipine besylate/valsartan
AMLODIPINE-VALSARTAN-HCTZ	amlodipine/valsartan/hcthiazid
ATENOLOL	atenolol
ATENOLOL-CHLORTHALIDONE	atenolol/chlorthalidone
AZOR	amlodipine bes/olmesartan med
BENAZEPRIL HCL	benazepril HCl
BENAZEPRIL-HYDROCHLOROTHIAZIDE	benazepril/hydrochlorothiazide
BENICAR	olmesartan medoxomil
BENICAR HCT	olmesartan/hydrochlorothiazide
BISOPROLOL FUMARATE	bisoprolol fumarate
BISOPROLOL-HYDROCHLOROTHIAZIDE	bisoprolol/hydrochlorothiazide
BUMETANIDE	bumetanide
BYSTOLIC	nebivolol HCl
CANDESARTAN CILEXETIL	candesartan cilexetil
CANDESARTAN- HYDROCHLOROTHIAZID	candesartan/hydrochlorothiazid
CAPTOPRIL	captopril
CAPTOPRIL-HYDROCHLOROTHIAZIDE	captopril/hydrochlorothiazide
CARDIZEM LA	diltiazem HCl
CARTIA XT	diltiazem HCl
CARVEDILOL	carvedilol
CHLORTHALIDONE	chlorthalidone
CLONIDINE	clonidine
CLONIDINE HCL	clonidine HCl
COREG CR	carvedilol phosphate
COZAAR	losartan potassium
DILTIAZEM 12HR ER	diltiazem HCl
DILTIAZEM 24HR CD	diltiazem HCl
DILTIAZEM 24HR ER	diltiazem HCl
DILTIAZEM ER	diltiazem HCl
DILTIAZEM HCL	diltiazem HCl
DILT-XR	diltiazem HCl
DOXAZOSIN MESYLATE	doxazosin mesylate
DYAZIDE	triamterene/hydrochlorothiazid
EDARBI	azilsartan medoxomil

<b>Brand Name</b>	<b>Generic Name</b>
EDARBYCLOR	azilsartan med/chlorthalidone
ENALAPRIL MALEATE	enalapril maleate
ENALAPRIL-HYDROCHLOROTHIAZIDE	enalapril/hydrochlorothiazide
ENTRESTO	sacubitril/valsartan
EPLERENONE	eplerenone
EXFORGE	amlodipine besylate/valsartan
FELODIPINE ER	felodipine
FOSINOPRIL SODIUM	fosinopril sodium
FOSINOPRIL-HYDROCHLOROTHIAZIDE	fosinopril/hydrochlorothiazide
FUROSEMIDE	furosemide
HYDRALAZINE HCL	hydralazine HCl
HYDROCHLOROTHIAZIDE	hydrochlorothiazide
INDAPAMIDE	indapamide
IRBESARTAN	irbesartan
IRBESARTAN-HYDROCHLOROTHIAZIDE	irbesartan/hydrochlorothiazide
ISRADIPINE	isradipine
LABETALOL HCL	labetalol HCl
LASIX	furosemide
LETAIRIS	ambrisentan
LISINOPRIL	lisinopril
LISINOPRIL-HYDROCHLOROTHIAZIDE	lisinopril/hydrochlorothiazide
LOSARTAN POTASSIUM	losartan potassium
LOSARTAN-HYDROCHLOROTHIAZIDE	losartan/hydrochlorothiazide
MATZIM LA	diltiazem HCl
METHAZOLAMIDE	methazolamide
METHYLDOPA	methyl dopa
METHYLDOPA- HYDROCHLOROTHIAZIDE	methyl dopa/hydrochlorothiazide
METOLAZONE	metolazone
METOPROLOL SUCCINATE	metoprolol succinate
METOPROLOL TARTRATE	metoprolol tartrate
METOPROLOL- HYDROCHLOROTHIAZIDE	metoprolol/hydrochlorothiazide
MINOXIDIL	minoxidil
MOEXIPRIL HCL	moexipril HCl
NADOLOL	nadolol
NIFEDIPINE	nifedipine
NIFEDIPINE ER	nifedipine
NISOLDIPINE	nisoldipine
OLMESARTAN MEDOXOMIL	olmesartan medoxomil
OLMESARTAN-AMLODIPINE-HCTZ	olmesartan/amlodipin/hcthiazid
OLMESARTAN- HYDROCHLOROTHIAZIDE	olmesartan/hydrochlorothiazide
PERINDOPRIL ERBUMINE	perindopril erbumine
PRAZOSIN HCL	prazosin HCl

<b>Brand Name</b>	<b>Generic Name</b>
PROPRANOLOL HCL	propranolol HCl
PROPRANOLOL HCL ER	propranolol HCl
QUINAPRIL HCL	quinapril HCl
QUINAPRIL-HYDROCHLOROTHIAZIDE	quinapril/hydrochlorothiazide
RAMIPRIL	ramipril
REVATIO	sildenafil citrate
SILDENAFIL	sildenafil citrate
SPIRONOLACTONE	spironolactone
SPIRONOLACTONE-HCTZ	spironolact/hydrochlorothiazid
TARKA	trandolapril/verapamil HCl
TAZTIA XT	diltiazem HCl
TEKTURNA	aliskiren hemifumarate
TELMISARTAN	telmisartan
TELMISARTAN- HYDROCHLOROTHIAZID	telmisartan/hydrochlorothiazid
TENORMIN	atenolol
TERAZOSIN HCL	terazosin HCl
TIMOLOL MALEATE	timolol maleate
TOPROL XL	metoprolol succinate
TORSEMIDE	torsemide
TRACLEER	bosentan
TRANDOLAPRIL	trandolapril
TRANDOLAPRIL-VERAPAMIL ER	trandolapril/verapamil HCl
TRIAMTERENE- HYDROCHLOROTHIAZID	triamterene/hydrochlorothiazid
TRIBENZOR	olmesartan/amlodipin/hcthiazid
VALSARTAN	valsartan
VALSARTAN-HYDROCHLOROTHIAZIDE	valsartan/hydrochlorothiazide
VERAPAMIL ER	verapamil HCl
VERAPAMIL ER PM	verapamil HCl
VERAPAMIL HCL	verapamil HCl
VERAPAMIL SR	verapamil HCl