



OPTIMAL VASCULAR CARE SPECIFICATIONS
2012 (2011 Dates of Service)
Revised 5/3/2011

Summary of Changes	<p>Modification of blood pressure component: The blood pressure target changes to less than 140/90 for all patients with Ischemic Vascular Disease (IVD).</p> <p><u>Rationale for change:</u> A target of <140/90 still allows for individualization of patient goals for all patients with IVD (with or without a diabetes co-morbidity). Our previous target of <130/80 for IVD patients without a co-morbidity of diabetes was reviewed and discussed and the target was modified to less than 140/90 for all IVD patients. This was based on recent Institute for Clinical Systems Improvement Guidelines and anticipated Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure guideline to be released in the fall of 2011.</p>
Description	<p>Composite (“optimal” care) measure of the percentage of adult patients who have ischemic vascular disease (IVD) with optimally managed modifiable risk factors.</p>
Methodology	<p>Population identification is accomplished via a query of a practice management system or Electronic Medical Record (EMR) to identify the population of eligible patients (denominator). Data elements are either extracted from an EMR system or abstracted through medical record review. Submission of total patient population is preferred. Submission of a sample is an option.</p>
Rationale	<p>According to the MN Department of Health, vascular disease is a high impact clinical condition in Minnesota. More than 20% of all deaths in Minnesota are due to heart disease and more than 7% are due to stroke, making them the second and third leading causes of death, respectively, in the state behind cancer. Inpatient hospitalization charges alone in Minnesota were \$1.7 billion for heart disease patients and \$318 million for stroke patients in 2007. According to the American Heart Association, more than 81 million Americans (37%) have cardiovascular disease. In every year since 1900 (except the 1918 influenza pandemic), cardiovascular disease accounted for more deaths than any other major cause of death in the United States. In 2006, cardiovascular disease claimed 1 of every 2.9 deaths in the United States.</p>
Measurement Period	<p>Measurement period will be a fixed 12 month period. 01/01/2011 to 12/31/2011</p>



**OPTIMAL VASCULAR CARE SPECIFICATIONS
2012 (2011 Dates of Service)
Revised 5/3/2011**

Denominator	<p>Established patient who meets each of the following criteria is included in the population (denominator):</p> <ul style="list-style-type: none"> • Patient was age 18 to 75 during the measurement period (date of birth was 01/01/1936 to 12/31/1993). • Patient was seen by an eligible provider in an eligible specialty face-to-face at least 2 times during the last 2 years (01/01/2010 to 12/31/2011) with visits coded with an IVD ICD-9 code (in any position, not only primary). Use this date of service range when querying the practice management or EMR system to allow a count of the visits within this time frame. • Patient was seen by an eligible provider in an eligible specialty face-to-face at least 1 time during the last 12 months (01/01/2011 to 12/31/2011) for any reason. This may or may not include one of the face-to-face IVD visits. <p><i>Eligible specialties: Family Medicine, Internal Medicine, Geriatric Medicine, Cardiology.</i></p> <p><i>Eligible providers: Medical Doctor (MD), Doctor of Osteopathy (DO), Physician Assistant (PA), Nurse Practitioner (NP).</i></p> <p><i>Ischemic Vascular Disease ICD-9 codes:</i></p> <table border="0"> <tr><td>410 – 410.92</td><td>Acute Myocardial Infarction (AMI)</td></tr> <tr><td>411 – 411.89</td><td>Post Myocardial Infarction Syndrome</td></tr> <tr><td>412</td><td>Old AMI</td></tr> <tr><td>413 – 413.9</td><td>Angina Pectoris</td></tr> <tr><td>414.0 – 414.07</td><td>Coronary Artherosclerosis</td></tr> <tr><td>414.2</td><td>Chronic Total Occlusion of Coronary Artery</td></tr> <tr><td>414.3</td><td>Atherosclerosis due to lipid rich plaque</td></tr> <tr><td>414.8</td><td>Other Chronic Ischemic Heart Disease (IHD)</td></tr> <tr><td>414.9</td><td>Chronic IHD</td></tr> <tr><td>429.2</td><td>Cardiovascular (CV) disease, unspecified</td></tr> <tr><td>433 – 433.91</td><td>Occlusion and stenosis of pre-cerebral arteries</td></tr> <tr><td>434 – 434.91</td><td>Occlusion of cerebral arteries</td></tr> <tr><td>440.1</td><td>Atherosclerosis of renal artery</td></tr> <tr><td>440.2 – 440.29</td><td>Atherosclerosis of native arteries of the extremities, unspecified</td></tr> <tr><td>440.4</td><td>Chronic Total Occlusion of Artery of the Extremities</td></tr> <tr><td>444 – 444.9</td><td>Arterial embolism and thrombosis</td></tr> <tr><td>445 - 445.8</td><td>Atheroembolism</td></tr> </table>	410 – 410.92	Acute Myocardial Infarction (AMI)	411 – 411.89	Post Myocardial Infarction Syndrome	412	Old AMI	413 – 413.9	Angina Pectoris	414.0 – 414.07	Coronary Artherosclerosis	414.2	Chronic Total Occlusion of Coronary Artery	414.3	Atherosclerosis due to lipid rich plaque	414.8	Other Chronic Ischemic Heart Disease (IHD)	414.9	Chronic IHD	429.2	Cardiovascular (CV) disease, unspecified	433 – 433.91	Occlusion and stenosis of pre-cerebral arteries	434 – 434.91	Occlusion of cerebral arteries	440.1	Atherosclerosis of renal artery	440.2 – 440.29	Atherosclerosis of native arteries of the extremities, unspecified	440.4	Chronic Total Occlusion of Artery of the Extremities	444 – 444.9	Arterial embolism and thrombosis	445 - 445.8	Atheroembolism
410 – 410.92	Acute Myocardial Infarction (AMI)																																		
411 – 411.89	Post Myocardial Infarction Syndrome																																		
412	Old AMI																																		
413 – 413.9	Angina Pectoris																																		
414.0 – 414.07	Coronary Artherosclerosis																																		
414.2	Chronic Total Occlusion of Coronary Artery																																		
414.3	Atherosclerosis due to lipid rich plaque																																		
414.8	Other Chronic Ischemic Heart Disease (IHD)																																		
414.9	Chronic IHD																																		
429.2	Cardiovascular (CV) disease, unspecified																																		
433 – 433.91	Occlusion and stenosis of pre-cerebral arteries																																		
434 – 434.91	Occlusion of cerebral arteries																																		
440.1	Atherosclerosis of renal artery																																		
440.2 – 440.29	Atherosclerosis of native arteries of the extremities, unspecified																																		
440.4	Chronic Total Occlusion of Artery of the Extremities																																		
444 – 444.9	Arterial embolism and thrombosis																																		
445 - 445.8	Atheroembolism																																		
Allowable Exclusions	<ul style="list-style-type: none"> • Patient was a permanent nursing home resident home during the measurement period • Patient was in hospice at any time during the measurement period • Patient died prior to the end of the measurement period • Documentation that diagnosis was coded in error 																																		
Numerator Components	<p>Percentage of diabetes patients age 18-75 in the measurement period (01/01/2011-12/31/2011) who met all of the following targets:</p> <ul style="list-style-type: none"> • The most recent LDL test in the measurement period (<u>10/01/2010-12/31/2011</u>) has a value <100. • The most recent Blood Pressure in the measurement period has a systolic value of <140 and a diastolic value of <90 (both values must be less than). • There is documentation in the chart that the patient is currently a non-tobacco user. • There is documentation in the measurement period that the patient is on daily aspirin or there is documentation of an accepted contraindication (any date). 																																		



**OPTIMAL VASCULAR CARE SPECIFICATIONS
2012 (2011 Dates of Service)
Revised 5/3/2011**

ICD-9-CM Coding Conventions Used in MNMCM Documentation

MNCM uses the standard HEDIS coding conventions from HEDIS 2011, *Cholesterol Management for Patients with Cardiovascular Conditions*. From the HEDIS manual:

Unless otherwise noted, codes are stated to the minimum specificity required. For example, if a code is presented to the third digit, any valid fourth or fifth digits may be used. When necessary, a code may be specified with an "x," which represents a required digit; for example, ICD-9-CM Diagnosis code 640.0x indicates a fifth digit is required, but the fifth digit could be any number allowed by the coding manual.

VASCULAR					
410.00	AMI ANTEROLATERAL,UNSPEC	412	OLD MYOCARDIAL INFARCT	434.91	CRBL ART OCL NOS W INFRC
410.01	AMI ANTEROLATERAL, INITIAL	413.0	ANGINA DECUBITUS	440.1	RENAL ARTERY ATHEROSCLER
410.02	AMI ANTEROLATERAL,SUBSEQ	413.1	PRINZMETAL ANGINA	440.20	ATHSCL EXTRM NTV ART NOS
410.10	AMI ANTERIOR WALL,UNSPEC	413.9	ANGINA PECTORIS NEC/NOS	440.21	ATH EXT NTV AT W CLAUDCT
410.11	AMI ANTERIOR WALL, INITIAL	414.00	COR ATH UNSP VSL NTV/GFT	440.22	ATH EXT NTV AT W RST PN
410.12	AMI ANTERIOR WALL,SUBSEQ	414.01	CRNRY ATHRSCL NATVE VSSL	440.23	ATH EXT NTV ART ULCRTION
410.20	AMI INFEROLATERAL,UNSPEC	414.02	CRN ATH ATLG VN BPS GRFT	440.24	ATH EXT NTV ART GNGRENE
410.21	AMI INFEROLATERAL, INITIAL	414.03	CRN ATH NONATLG BLG GRFT	440.29	ATHRSC EXTRM NTV ART OTH
410.22	AMI INFEROLATERAL,SUBSEQ	414.04	COR ATH ARTRY BYPAS GRFT	440.4	CHR TOT OCCL ART EXTREM
410.30	AMI INFEROPOST, UNSPEC	414.05	COR ATH BYPASS GRAFT NOS	444.0	ABD AORTIC EMBOLISM
410.31	AMI INFEROPOST, INITIAL	414.06	COR ATH NATV ART TP HRT	444.1	THORACIC AORTIC EMBOLISM
410.32	AMI INFEROPOST, SUBSEQ	414.07	COR ATH BPS GRAFT TP HRT	444.21	UPPER EXTREMITY EMBOLISM
410.40	AMI INFERIOR WALL,UNSPEC	414.2	CHR TOT OCCLUS COR ARTRY	444.22	LOWER EXTREMITY EMBOLISM
410.41	AMI INFERIOR WALL, INITIAL	414.3	COR ATH DUE TO LIPID RICH PLAQUE	444.81	ILIAC ARTERY EMBOLISM
410.42	AMI INFERIOR WALL,SUBSEQ	414.8	CHR ISCHEMIC HRT DIS NEC	444.89	ARTERIAL EMBOLISM NEC
410.50	AMI LATERAL NEC, UNSPEC	414.9	CHR ISCHEMIC HRT DIS NOS	444.9	ARTERIAL EMBOLISM NOS
410.51	AMI LATERAL NEC, INITIAL	429.2	ASCVD	445.01	ATHEROEMBOLISM,UPPER EXT
410.52	AMI LATERAL NEC, SUBSEQ	433.00	OCL BSLR ART WO INFRACT	445.02	ATHEROEMBOLISM,LOWER EXT
410.60	TRUE POST INFARCT,UNSPEC	433.01	OCL BSLR ART W INFRACT	445.81	ATHEROEMBOLISM, KIDNEY
410.61	TRUE POST INFARCT, INITIAL	433.10	OCL CRTD ART WO INFRACT	445.89	ATHEROEMBOLISM, SITE NEC
410.62	TRUE POST INFARCT,SUBSEQ	433.11	OCL CRTD ART W INFRACT		
410.70	SUBENDO INFARCT, UNSPEC	433.20	OCL VRTB ART WO INFRACT		
410.71	SUBENDO INFARCT, INITIAL	433.21	OCL VRTB ART W INFRACT		
410.72	SUBENDO INFARCT, SUBSEQ	433.30	OCL MLT BI ART WO INFRACT		
410.80	AMI NEC, UNSPECIFIED	433.31	OCL MLT BI ART W INFRACT		
410.81	AMI NEC, INITIAL	433.80	OCL SPCF ART WO INFRACT		
410.82	AMI NEC, SUBSEQUENT	433.81	OCL SPCF ART W INFRACT		
410.90	AMI NOS, UNSPECIFIED	433.90	OCL ART NOS WO INFRACT		
410.91	AMI NOS, INITIAL	433.91	OCL ART NOS W INFRACT		
410.92	AMI NOS, SUBSEQUENT	434.00	CRBL THRMBS WO INFRACT		
411.0	POST MI SYNDROME	434.01	CRBL THRMBS W INFRACT		
411.1	INTERMED CORONARY SYND	434.10	CRBL EMBLSM WO INFRACT		
411.81	ACUTE COR OCCLSN W/O MI	434.11	CRBL EMBLSM W INFRACT		
411.89	AC ISCHEMIC HRT DIS NEC	434.90	CRBL ART OC NOS WO INFRC		