CAD LDL-C Less Than 100 mg

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MEASURE DESCRIPTION:

CAD LDL-C Less Than 100 mg indicates whether a patient, aged 18 to 75 years, who either had a cardiovascular event during the year prior to the measurement year, or had a diagnosis of ischemic vascular disease (IVD) both during the measurement year and the year prior, had at least one LDL-C cholesterol lab test record in the database, and the most recent non-zero test result value was less than 100 mg/dL.

This measure is based on the HEDIS measure *Cholesterol Management for Patients With Cardiovascular Conditions* (CMC).

PROPRIETARY STATUS:
This measure is owned by NCQA [NQF-Endorsed ™].

CRITERIA REVISION:
- This measure is based on the HEDIS® 2013 Technical Specifications for Physician Measurement criteria.

CRITERIA REVIEW DATE: 05/02/2013

MEASURE TYPE: Quality - process of care

MEASURE PACKAGE: Advantage Nationally Endorsed

MINIMUM DATA REQUIREMENTS (months): 24

MEASURE DETAILS:

DENOMINATOR:
Identifies the unique count of patients, aged 18 to 75 years at the end of the measurement year, who either had a cardiovascular event (i.e., acute myocardial infarction (AMI), coronary artery bypass graft (CABG), or percutaneous coronary intervention (PCI)), during the first 10 months of the year prior to the measurement year, or had a diagnosis of IVD (ischemic vascular disease) both during the measurement year and the year prior, and who had a lab result record in the database for an LDL-C test during the measurement year with a value greater than zero.

Discharged alive from an acute inpatient facility with a diagnosis of AMI or a CABG procedure performed, based on *facility* claims (during the year prior to the measurement year up to 2 months before the beginning of the measurement year)	Place of Service Code Medstat = 21, 25, 51, 55 And Room and Board Flag Code = 1 And Discharge Status Code UB <> 20-29 And (ICD-9 Diagnosis Code = 410.x1 Or ICD-9 Procedure Code = 36.1*, 36.2 Or CPT Procedure Code = 33510-33514, 33516-33519, 33521-33523, 33533-33536 Or

	HCPCS Procedure Code = S2205-S2209)
OR	
A diagnosis of AMI or a CABG procedure performed on an inpatient basis, based on *professional* claims (during the year prior to the measurement year up to 2 months before the beginning of the measurement year)	Place of Service Code Medstat = 21, 25, 51, 55 And ICD-9 Diagnosis Code = 410.x1 And (CPT Procedure Code = 33510-33514, 33516-33519, 33521-33523, 33533-33536 Or HCPCS Procedure Code = S2205-S2209)
OR	
A PCI procedure performed in any setting (during the year prior to the measurement year up to 2 months before the beginning of the measurement year)	(ICD-9 Procedure Code = 00.66, 36.01, 36.02, 36.05, 36.06, 36.07 Or CPT Procedure Code = 92980, 92982, 92995 Or HCPCS Procedure Code = G0290)
OR	
At least one outpatient or acute inpatient visit with a diagnosis of IVD (in both the measurement year and the year prior)	ICD-9 Diagnosis Code = 411*, 413*, 414.0*, 414.2, 414.8, 414.9, 429.2, 433.00-434.91, 440.1, 440.2*, 440.4, 444*, 4445* And (CPT Procedure Code = 99201-99220, 99221-99233, 99238, 99239, 99241-99255, 99261-99263, 99291, 99341-99350, 99384-99387, 99394-99397, 99401-99404, 99411, 99412, 99420, 99429, 99455, 99456 Or Revenue Code UB = 010*, 0110-0114, 0119, 0120-0124, 0129, 0130-0134, 0139, 0140-0144, 0149, 0150-0154, 0159, 016*, 0200-0219, 051*, 0520-0523, 0526-0529, 0570-0599, 072*, 0982, 0983, 0987) And Place of Service Code Medstat = 4-12, 15-26, 49-53, 55, 57, 61-72, 95, 99
AND	
Age in years (as of the end of the measurement year)	Age in Years = 18-75
AND	

At least one LDL-C lab result record in the database, and the result is greater than zero (during the measurement year)	LOINC Code = 2089-1, 12773-8, 13457-7, 18261-8, 18262-6, 22748-8, 39469-2, 49132-4, 55440-2, 69419-0 And Lab Result Numeric Value > 0

EXCLUSIONS:
None

NUMERATOR:
Identifies patients, aged 18 to 75 years, who either had a cardiovascular event during the year prior to the measurement year, or had a diagnosis of IVD both during the measurement year and the year prior, and had a lab result record in the database for an LDL-C test during the measurement year, and the result was greater than zero and less than 100 mg/dL.

Most recent LDL-C test result > 0 and < 100 mg/dL (during the measurement year)	LOINC Code = 2089-1, 12773-8, 13457-7, 18261-8, 18262-6, 22748-8, 39469-2, 49132-4, 55440-2, 69419-0 And Lab Result Numeric Value > 0 and < 100 mg/dL
OR	
Performance measurement code indicating LDL-C test performed and the result was < 100 mg/dL (during the measurement year	CPT Procedure Code = 3048F

CONTINUOUS ENROLLMENT:
Continuously enrolled with medical coverage for the measurement year and the year prior to the measurement year, which equates to 24 months out of 24 months.

MEASURE BACKGROUND:

Coronary artery disease (CAD) remains a major health problem in the United States. About 13 million Americans have CAD, and includes patients with angina, patients with prior heart attacks or coronary artery bypass surgery, or other procedures. According to the Centers for Disease Control and Prevention (CDC), heart disease was expected to cost the United States $444 billion in 2011, including the cost of healthcare services, medications, and lost productivity. The disease accounts for about 20 percent of the deaths in the U.S. Cardiovascular disease affects both men and women of all racial and ethnic groups.

Mortality rates for cardiovascular disease (CVD) and CAD in men and women and in blacks and whites have fallen in most countries by 24 to 28 percent since 1975. Much of this reduction is due to improvement in medical therapies for CVD; the rest is due to risk-factor reduction, particularly a decline in smoking and treatment of hypertension. Patients with established CAD have a high risk of subsequent cardiovascular events, including myocardial infarction (MI), stroke, and death from CVD. There are many different aspects to managing patients with CAD, including beta blockade, cholesterol management, and antiplatelet agents. In accordance with current guidelines, patients with CAD should have their cholesterol checked, and treatment with a statin drug is generally recommended. Current recommendations indicate that an LDL-C should be less than 100 mg/dL for most patients.

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