



Complete Summary

TITLE

Stable coronary artery disease (CAD): percentage of patients with stable CAD who have had a lipid profile determination at target (less than 100) and measured within the last year.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Stable coronary artery disease. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Nov. 42 p. [75 references]

Brief Abstract

DESCRIPTION

This measure assesses the percentage of patients with stable coronary artery disease (CAD) who have had a lipid profile determination at target (less than 100) and measured within the last year.

RATIONALE

The priority aim addressed by this measure is to increase the percentage of patients with stable coronary artery disease (CAD) who receive an intervention for modifiable risk factors.

PRIMARY CLINICAL COMPONENT

Stable coronary artery disease; lipid profile (total cholesterol, high-density lipoprotein cholesterol, low-density lipoprotein cholesterol, triglyceride)

DENOMINATOR DESCRIPTION

All patients age 18 and over with stable coronary artery disease (CAD) (refer to the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Number of patient records with a lipid profile at target and measured within the last year (refer to the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

Evidence Supporting the Measure

PRIMARY MEASURE DOMAIN

Outcome

SECONDARY MEASURE DOMAIN

Process

EVIDENCE SUPPORTING THE MEASURE

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Stable coronary artery disease.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age greater than or equal to 18 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Living with Illness

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All patients age 18 and over with stable coronary artery disease (CAD).

The population for this measure is a subset of the population used for the Lipid Management in Adults measure (refer to the National Quality Measures Clearinghouse [NQMC] summary of the Institute for Clinical Systems Improvement [ICSI] measure [Percentage of patients with diagnosed CHD or equivalent who have LDL-cholesterol less than 100 mg/dL](#)). When a patient with a diagnosis of stable CAD is identified while doing the Lipid Management data collection, that patient's record will also be assessed for evidence that a lipid profile is at target and measured within the last year.

A monthly random sample of at least 10 patients is suggested. The data may be collected by chart audit or with administrative systems augmented by chart audit.

To be included in the numerator, the patient needs to have the test results and a date of the test within the last year (total cholesterol, high-density lipoprotein [HDL] cholesterol, calculated low-density lipoprotein [LDL] cholesterol and triglycerides).

Count as patients in the denominator all patients whose records verify the stable CAD diagnosis.

Data may be collected monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

A patient will be age 18 and over.

Patients for this measure are a subset of those used for the Lipid Management in Adults measure (refer to the National Quality Measures Clearinghouse [NQMC] summary of the Institute for Clinical Systems Improvement [ICSI] measure [Percentage of patients with diagnosed CHD or equivalent who have LDL-cholesterol less than 100 mg/dL](#)).

If you are not collecting data for the Lipid Management in Adults guideline (refer to the National Guideline Clearinghouse [NGC] summary of the ICSI guideline [Lipid Management in Adults](#)), you may identify stable coronary artery disease

(CAD) patients by one of these International Classification of Diseases, Ninth Revision (ICD-9) codes:

412, 413, 413.0, 413.1, 413.9, 414, 414.0, 414.8, 414.9

Exclusions

Patients should be excluded if there has been any visit with one or more of the following codes for acute myocardial infarction (MI) events within the past year:

410, 410.0-410.9, 411, 411.0, 411.1, 411.8, 411.81, 411.89

This measure does not include those who do not have clinical encounters.

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Those patients sampled in the denominator who have had a lipid profile that includes total cholesterol, high-density lipoprotein (HDL) cholesterol, calculated low-density lipoprotein (LDL) cholesterol and triglycerides at target (less than 100) and measured within the last year. This may be demonstrated either with the Current Procedure Terminology (CPT-4) codes below (administratively) or with listing the total cholesterol, HDL-cholesterol, LDL-cholesterol and triglyceride levels and dates (by chart audit).

CPT-4 codes:

83718 Lipoprotein, direct measurement: HDL

83719 Very low-density lipoprotein (VLDL) cholesterol

83721 and LDL

80061 Lipid Profile

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Administrative data

Laboratory data

Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

OUTCOME TYPE

Clinical Outcome

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Percentage of patients with stable CAD who have had a lipid profile determination at target (less than 100) and measured within the last year.

MEASURE COLLECTION

[Stable Coronary Artery Disease Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2003 Nov

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Stable coronary artery disease. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Nov. 42 p. [75 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of patients with stable CAD who have had a lipid profile determination at target (less than 100) and measured within the last year," is published in "Health Care Guideline: Stable Coronary Artery Disease." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org

NQMC STATUS

This NQMC summary was completed by ECRI on July 14, 2004.

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Date Modified: 10/25/2004

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