

## Coronary Artery Disease (CAD): Drug Therapy for Lowering LDL-Cholesterol (NQF 0074)

<b>EMeasure Name</b>	Coronary Artery Disease (CAD): Drug Therapy for Lowering LDL-Cholesterol	<b>EMeasure Id</b>	Pending
<b>Version Number</b>	1	<b>Set Id</b>	Pending
<b>Available Date</b>	No information	<b>Measurement Period</b>	January 1, 20xx through December 31, 20xx
<b>Measure Steward</b>	American Medical Association – Physician Consortium for Performance Improvement		
<b>Endorsed by</b>	National Quality Forum		
<b>Description</b>	Percentage of patients aged 18 years and older with a diagnosis of CAD who were prescribed a lipid-lowering therapy (based on current ACC/AHA guidelines).		
<b>Measure scoring</b>	Proportion		
<b>Measure type</b>	Process		
<b>Rationale</b>	Studies have demonstrated that active treatment with lipid-lowering therapy is associated with stabilization and regression of coronary atherosclerotic plaques and decreased incidence of clinical events. Recent clinical trials have further documented that LDL-lowering agents can decrease the risk of adverse ischemic events in patients with established CAD.		
<b>Clinical Recommendation Statement</b>	The LDL-C treatment goal is <100 mg/dl. Persons with established coronary heart disease (CHD) who have a baseline LDL-C <sup>3</sup> 130 mg/dl should be started on a cholesterol-lowering drug simultaneously with therapeutic lifestyle changes and control of nonlipid risk factors (National Cholesterol Education Program [NCEP]).		
<b>References</b>			
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*Please refer to the spreadsheet for this measure for detail regarding data criteria and code lists.*

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### Population criteria

- **Initial Patient Population =**
  - AND: “Patient characteristic: birth date” (age) >= 18 years;
  - AND:
    - OR: “Diagnosis active: coronary artery disease includes MI”;
    - OR: “Procedure performed: cardiac surgery”;
  - AND: >=2 count(s) of:

- OR: "Encounter: encounter outpatient"
  - OR: "Encounter: encounter nursing facility";
- **Denominator =**
  - AND: All patients in the initial patient population;
- **Numerator =**
  - AND:
    - OR: "Medication order: lipid lowering therapy";
    - OR: "Medication active: lipid lowering therapy";
- **Exclusions =**
  - OR: LAST "Laboratory test result: LDL laboratory test", value <130 mg/dL, before or simultaneous to "Encounter: encounter outpatient" or "Encounter: encounter nursing facility" <=1 year;
  - OR: "Medication allergy: lipid lowering therapy";
  - OR: "Medication adverse event: lipid lowering therapy";
  - OR: "Medication intolerance: lipid lowering therapy";
  - OR: "Medication not done: medical reason";
  - OR: "Medication not done: patient reason";
  - OR: "Medication not done: system reason";

#### **Data criteria (QDS data elements)**

- **Initial Patient Population =**
  - "Patient characteristic: birth date" using "birth date code list" before the beginning of the "measurement period";
  - "Diagnosis active: coronary artery disease includes MI" using "coronary artery disease includes MI code list grouping" before or simultaneously to "Encounter: encounter outpatient" OR "Encounter: encounter nursing facility";
  - "Procedure performed: cardiac surgery" using "cardiac surgery code list grouping" before or simultaneously to "Encounter: encounter outpatient" OR "Encounter: encounter nursing facility";
  - "Encounter: encounter outpatient" using "encounter outpatient code list" during the "measurement period";
  - "Encounter: encounter nursing facility" using "encounter nursing facility code list" during the "measurement period";
- **Denominator =**
  - All patients in the initial patient population;
- **Numerator =**
  - "Medication order: lipid lowering therapy" using "lipid lowering therapy code list" during the "measurement period";
  - "Medication active: lipid lowering therapy" using "lipid lowering therapy code list" during the "measurement period";
- **Exclusions =**

- “Laboratory test result: LDL laboratory test” using “LDL laboratory test code list” before or simultaneously to “Encounter: encounter outpatient” OR “Encounter: encounter nursing facility” within and including 1 year(s);
- “Medication allergy: lipid lowering therapy” using “lipid lowering therapy code list” before or simultaneously to “Encounter: encounter outpatient” OR “Encounter: encounter nursing facility”;
- “Medication adverse event: lipid lowering therapy” using “lipid lowering therapy code list” before or simultaneously to “Encounter: encounter outpatient” OR “Encounter: encounter nursing facility”;
- “Medication intolerance: lipid lowering therapy” using “lipid lowering therapy code list” before or simultaneously to “Encounter: encounter outpatient” OR “Encounter: encounter nursing facility”;
- “Medication not done: medical reason” using “medical reason code list” for “Medication order: lipid lowering therapy” OR “Medication active: lipid lowering therapy”;
- “Medication not done: patient reason” using “patient reason code list” for “Medication order: lipid lowering therapy” OR “Medication active: lipid lowering therapy”;
- “Medication not done: system reason” using “system reason code list” for “Medication order: lipid lowering therapy” OR “Medication active: lipid lowering therapy”;

**Summary Calculation**

Calculation is generic to all measures:

- Calculate the final denominator by adding all that meet denominator criteria.
- Subtract from the final denominator all that do not meet numerator criteria yet also meet exclusion criteria. Note some measures do not have exclusion criteria.
- The performance calculation is the number meeting numerator criteria divided by the final denominator.
- For measures with multiple patient populations, repeat this process for each patient population and report each result separately.
- For measures with multiple numerators, calculate each numerator separately within each population using the paired exclusion.

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<b>Measure set</b>	CLINICAL QUALITY MEASURE SET 2011-2012
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