Coronary Artery Disease (CAD)
Analytic Flowchart

General Inclusion Criteria

All face-to-face office visits with physician, physicians’ assistant, or nurse practitioner occurring during the sampling period where at least two visits had a documented diagnosis of coronary artery disease (see Appendix A.1 and A.2) AND Patient is 18 years or older at the beginning of the measurement period

[CADCONFIRMED] = 1 (see Appendix A.1 and A.2)
AND
Beginning of measurement period – [DATEOFBIRTH] ≥ 18

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These Measures are intended to assist physicians in enhancing quality of care. Measures are designed for use by any physician who manages the care of a patient for a specific condition or for prevention. These performance Measures are not clinical guidelines and do not establish a standard of medical care. The Consortium has not tested its Measures for all potential applications. The Consortium encourages the testing and evaluation of its Measures.

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<td>♦ AMA/PCPI is the measure owner</td>
</tr>
<tr>
<td>▲ CMS is the measure owner</td>
</tr>
<tr>
<td>■ NCQA is the measure owner</td>
</tr>
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Version 1.0 MCMC
Coronary Artery Disease (CAD)
Analytic Flowchart

Antiplatelet Therapy (*CAD-1): Percentage of patients who were prescribed antiplatelet therapy

Denominator: All patients with CAD ≥ 18 years of age

Denominator Inclusions

| All patients (each unique patient identifier equals one case in the denominator meeting the inclusion criteria (page 1) | Each unique [PATIENTID] = one case in the denominator AND Meeting inclusion criteria (page 1) |

Denominator Exclusions (Exclusions only applied if the patient did not receive antiplatelet therapy)

| Any visit where- Excluded for Medical Reason(s) Excluded for Patient Reason(s) Excluded for System Reason(s) (see Appendix B.1, B.2, B.3) | [CADANTIPLATDRUG] = 3 OR [CADANTIPLATDRUG] = 4 OR [CADANTIPLATDRUG] = 5 (see Appendix B.1, B.2, B.3) |

Numerator: Patients who were prescribed antiplatelet therapy (aspirin, clopidogrel or combination of aspirin and dipyridamole)

Numerator Inclusions

| Patients who were prescribed antiplatelet therapy (see Tables 1, 2 and Appendix C.1) | [CADANTIPLATDRUG] = 1 (see Tables 1, 2 and Appendix C.1) |
Coronary Artery Disease (CAD)
Analytic Flowchart

Drug Therapy for Lowering LDL Cholesterol (*CAD-2): Percentage of patients who were prescribed a lipid-lowering therapy (based on current ACC/AHA guidelines)

Denominator: All patients with CAD ≥ 18 years of age

Denominator Inclusions
- All patients (each unique patient identifier equals one case in the denominator) meeting the inclusion criteria (page 1)
- Each unique [PATIENTID] = one case in the denominator
- Meeting inclusion criteria (page 1)

Denominator Exclusions (Exclusions only applied if the patient did not receive lipid-lowering therapy)
- Any visit where-
  - Excluded for Medical Reason(s)
  - Excluded for Patient Reason(s)
  - Excluded for System Reason(s)
  - (see Appendix D.1, D.2, D.3, D.4)
- [CADLDLCADRUG] = 3
  - OR
  - [CADLDLCADRUG] = 4
  - OR
  - [CADLDLCADRUG] = 5
  - (see Appendix D.1, D.2, D.3, D.4)

Numerator: Patients who were prescribed lipid-lowering therapy (based on current ACC/AHA guidelines)

Numerator Inclusions
- Patients who were prescribed a lipid-lowering drug
  - (see Table 3 and Appendix E.1)
- [CADLDLCADRUG] = 1
  - (see Table 3 and Appendix E.1)
Coronary Artery Disease (CAD)  
Analytic Flowchart

Beta-Blocker Therapy – Prior Myocardial Infarction (MI) (*CAD-3): Percentage of patients with prior MI at any time who were prescribed beta-blocker therapy

Denominator: All patients with CAD who also have prior MI at any time ≥ 18 years of age

Denominator Inclusions

| All patients (each unique patient identifier equals one case in the denominator) meeting the inclusion criteria (page 1) and those with prior MI (see Appendix F.1) | Each unique [PATIENTID] = one case in the denominator AND Meeting inclusion criteria (page 1) AND [CADMI] = 1 (see Appendix F.1) |

Denominator Exclusions (Exclusions only applied if the patient did not receive beta-blocker therapy)

| Any visit where- Excluded for Medical Reason(s) Excluded for Patient Reason(s) Excluded for System Reason(s) (see Appendix G.1, G.2, G.3) | [CADBBLOCKDRUG] = 3 OR [CADBBLOCKDRUG] = 4 OR [CADBBLOCKDRUG] = 5 (see Appendix G.1, G.2, G.3) |

Numerator: Patients who were prescribed beta-blocker therapy

Numerator Inclusions

| Patients who were prescribed beta-blocker therapy (see Table 4 and Appendix F.2) | [CADBBLOCKDRUG] = 1 (see Table 4 and Appendix F.2) |
**Coronary Artery Disease (CAD) Analytic Flowchart**

**Lipid Profile (CAD-5): Percentage of patients who received at least one lipid profile (or ALL component tests)**

**Denominator: All patients with CAD ≥ 18 years of age**

**Denominator Inclusions**

<table>
<thead>
<tr>
<th>All patients (each unique patient identifier equals one case in the denominator) meeting the inclusion criteria (page 1)</th>
<th>Each unique [PATIENTID] = one case in the denominator AND Meeting inclusion criteria (page 1)</th>
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**Denominator Exclusions**

<table>
<thead>
<tr>
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**Numerator: Patients who received at least one lipid profile (or ALL component tests)**

**Numerator Inclusions**

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<th>Patients who received at least one lipid profile (or ALL component tests) (see Appendix H.1, H.2, H.3)</th>
<th>[CADLIPID] = 1 (see Appendix H.1, H.2, H.3)</th>
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</table>
Coronary Artery Disease (CAD)
Analytic Flowchart

LDL Cholesterol Level (CAD-6): Percentage of patients with most recent LDL cholesterol < 100 mg/dL

Denominator: All patients with CAD ≥ 18 years of age with at least one LDL cholesterol test

Denominator Inclusions

<table>
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<th>All patients (each unique patient identifier equals one case in the denominator) meeting the inclusion criteria (page 1) and who had an LDL cholesterol completed (see Appendix I.1, I.2, I.3)</th>
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</thead>
<tbody>
<tr>
<td>Each unique [PATIENTID] = one case in the denominator</td>
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<tr>
<td><strong>AND</strong></td>
</tr>
<tr>
<td>Meeting inclusion criteria (page 1)</td>
</tr>
<tr>
<td><strong>AND</strong></td>
</tr>
<tr>
<td>[CADLDLCTEST] = 1</td>
</tr>
<tr>
<td>(see Appendix I.1, I.2, I.3)</td>
</tr>
</tbody>
</table>

Denominator Exclusions

<table>
<thead>
<tr>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
</tr>
</tbody>
</table>

Numerator: Patients with most recent LDL cholesterol < 100 mg/dL

Numerator Inclusions

<table>
<thead>
<tr>
<th>Patients with most recent LDL-C &lt; 100 mg/dL</th>
</tr>
</thead>
<tbody>
<tr>
<td>[CADLDLCVALUE] &lt; 100 mg/dL</td>
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</table>

|
Coronary Artery Disease (CAD)
Analytic Flowchart

ACE Inhibitor or ARB Therapy (*CAD-7): Percentage of patients who also have diabetes and/or LVSD who were prescribed ACE inhibitor or ARB therapy

Denominator: All patients with CAD ≥ 18 years of age who also have diabetes and/or LVSD

Denominator Inclusions
- All patients (each unique patient identifier equals one case in the denominator) meeting the inclusion criteria (page 1) and who also have diabetes (see Tables 5, 6 and Appendix J.1) and/or LVSD (defined as left ventricular ejection fraction [LVEF] < 40% or moderately or severely depressed left ventricular systolic function) (see Appendix J.2, J.3, J.4)

Denominator Exclusions (Exclusions only applied if the patient did not receive ACE Inhibitor or ARB therapy)
- Any visit where-
  - Excluded for Medical Reason(s)
  - Excluded for Patient Reason(s)
  - Excluded for System Reason(s) (see Appendix K.1, K.2, K.3)

Numerator: Patients who were prescribed ACE inhibitor or ARB therapy

Numerator Inclusions
- Patients who were prescribed ACE Inhibitor or ARB therapy (see Tables 7, 8 and Appendix J.5 )

Each unique [PATIENTID] = one case in the denominator

AND

Meeting inclusion criteria (page 1)

AND

[CADDIABETES] = 1 (see Tables 5, 6 and Appendix J.1) AND/OR [HFCADLVSD] = 1

(see Appendix J.2, J.3, J.4)

[CADACEARBDRUG] = 3

OR

[CADACEARBDRUG] = 4

OR

[CADACEARBDRUG] = 5

(see Appendix K.1, K.2, K.3)

[CADACEARBDRUG] = 1

(see Tables 7, 8 and Appendix J.5)