CAD Identification

i4C Indicator CDM-CAD-001: CAD Identification v 2.1

Category: CDM/Coronary Artery Disease

Purpose:

This indicator is used to identify patients with Coronary Artery Disease (CAD).

Source:

Not derived from any existing primary care measurement framework; introduced through OntarioMD collaboration with EMR vendors participating in the EMR Physician Dashboard Proof of Concept.

Base Population:

All patients with an Active demographic status recorded in the EMR who have a confirmed CAD diagnosis or who may be considered for CAD diagnosis based on other EMR data.

Indicator Segments:

CAD Coded: Count of patients confirmed with CAD diagnosis through entry of any of the following diagnosis codes within the current diagnosis/problem section of the cumulative patient profile:

Diagnosis Code(s)	Code System	Diagnosis Description
410 or starting with 410	ICD-9	Acute myocardial infarction
411 or starting with 411	ICD-9	Other acute and subacute forms of ischemic heart disease
412 or starting with 412	ICD-9	Old myocardial infarction
413 or starting with 413	ICD-9	Angina pectoris
414 or starting with 414	ICD-9	Other forms of chronic ischemic heart disease
429.2	ICD-9	Cardiovascular disease, unspecified
I20 or starting with I20	ICD-10	Angina pectoris
I21 or starting with I21	ICD-10	Acute myocardial infarction
I24 or starting with I24	ICD-10	Other acute ischemic heart diseases
I25 or starting with I25	ICD-10	Chronic ischemic heart disease
194828000	SNOMED-CT	Angina pectoris
414545008	SNOMED-CT	Ischaemic heart disease
413439005	SNOMED-CT	Acute exacerbation of chronic obstructive airways disease
413838009	SNOMED-CT	Acute infective exacerbation of chronic obstructive airways disease

Consider CAD: Documented as text but not coded: Count of patients without a coded CAD diagnosis but who may be considered for diagnosis based on any of the following text entered in the problem/diagnosis or past medical/surgical history section of the cumulative patient profile:

- 'CAD'
- 'C.A.D.'
- 'coronary artery dis'
- 'CVD'
- 'C.V.D.'
- 'cardiovascular disease'
- 'IHD'
- 'I.H.D.'
- 'ischemic hrt dis'

- 'ischemic heart dis'
- 'M.I.'
- 'myocardial'

Consider CAD: Dx in 2+ bills: Count of patients without a confirmed CAD diagnosis but who may be considered for diagnosis based on two or more bills with an attached diagnosis of 410, 411, 412, 413, 414, or 429.

Consider CAD: Total: Unique count of patients without a confirmed CAD diagnosis but who may be considered for diagnosis based on CAD documented with a text diagnosis or problem, or a CAD Dx in 2+ bills.

CAD Excluded: Count of patients without a without a coded CAD diagnosis AND who are excluded for diagnosis consideration through EMR functionality that allows patients to be manually excluded for consideration.

The functionality for manual exclusion from diagnosis consideration is optional so this indicator segment might not appear across all EMR offerings.

Suggested Indicator Use:

Physician or practice use of this indicator is to review charts in the "Consider CAD:" segments and add a CAD diagnosis code to the patient chart where an appropriate diagnosis can be confirmed.