



## California Physician Performance Initiative (CPPI)

### Clinical Quality Measure Specifications 2009

#### **Diabetes Care for Adults: Cholesterol (LDL-C) Screening Test (LDL)**

(updated 8/13/09)

#### **Measure:**

Adult patients 18-75 years old, who have Type 1 or Type 2 diabetes. It shows the percent of those patients who had a serum cholesterol level (LDL-C) screening test during the past year.

**Reasons for This Measure:** Heart disease strikes people with diabetes twice as often as people without diabetes and is one of the most common medical complications. Higher levels of cholesterol and fat in the blood greatly contribute to the increased incidence of coronary artery disease and heart disease. It is very important that LDL cholesterol levels be measured at least yearly in patients with diabetes. Efforts should be made, depending upon the patient, to maintain LDL cholesterol at levels lower than 100 mg/dL.

**Eligible Population:** Patients with diabetes between the ages 18 and 75 years old, as of September 30, 2008.

**Codes to Identify Patients with Diabetes:** Two methods are used to identify patients with diabetes: pharmacy data and claim/encounter data.

Prescriptions to Identify Members with Diabetes:

Description	Prescription
Alpha-glucosidase inhibitors	<ul style="list-style-type: none"> <li>• acarbose</li> <li>• miglitol</li> </ul>
Amylin analogs	<ul style="list-style-type: none"> <li>• pramlintide</li> </ul>
Antidiabetic combinations	<ul style="list-style-type: none"> <li>• glimepiride-pioglitazone</li> <li>• glimepiride-rosiglitazone</li> <li>• glipizide-metformin</li> <li>• glyburide-metformin</li> <li>• metformin-pioglitazone</li> <li>• metformin-rosiglitazone</li> <li>• metformin-sitagliptin</li> </ul>
Insulin	<ul style="list-style-type: none"> <li>• insulin aspart</li> <li>• insulin aspart-insulin aspart protamine</li> <li>• insulin detemir</li> <li>• insulin glargine</li> <li>• insulin glulisine</li> <li>• insulin inhalation</li> <li>• insulin isophane beef-pork</li> <li>• insulin isophane human</li> <li>• insulin isophane pork</li> <li>• insulin isophane-insulin regular</li> <li>• insulin lispro</li> <li>• insulin lispro-insulin lispro protamine</li> <li>• insulin regular beef-pork</li> <li>• insulin regular human</li> <li>• insulin regular pork</li> <li>• insulin zinc beef-pork</li> <li>• insulin zinc extended human</li> <li>• insulin zinc human</li> <li>• insulin zinc pork</li> </ul>
Meglitinides	<ul style="list-style-type: none"> <li>• nateglinide</li> <li>• repaglinide</li> </ul>
Miscellaneous antidiabetic agents	<ul style="list-style-type: none"> <li>• exenatide</li> <li>• pramlintide</li> <li>• sitagliptin</li> </ul>

Sulfonylureas	<ul style="list-style-type: none"> <li>• acetohexamide</li> <li>• chlorpropamide</li> <li>• glimepiride</li> </ul>	<ul style="list-style-type: none"> <li>• glipizide</li> <li>• glyburide</li> </ul>	<ul style="list-style-type: none"> <li>• tolazamide</li> <li>• tolbutamide</li> </ul>
Thiazolidinediones	<ul style="list-style-type: none"> <li>• pioglitazone</li> </ul>	<ul style="list-style-type: none"> <li>• rosiglitazone</li> </ul>	

Note: *Glucophage/metformin* is not included because it is used to treat conditions other than diabetes; members with diabetes on these medications are identified through diagnosis coding only. NCQA has provided a complete list of medications and NDC codes on its Web site ([www.ncqa.org](http://www.ncqa.org)).

#### Claim/Encounter to Identify Members with Diabetes:

Members who had *two* face-to-face encounters with a diagnosis of diabetes on different dates of service in an outpatient setting or nonacute inpatient setting, or one face-to-face encounter in an acute inpatient or ED setting during the measurement year or the year prior to the measurement year. The organization may count services that occur over both years. Refer to the table below for codes to identify visit type.

#### Codes to Identify Diabetes

Description	ICD-9-CM Diagnosis
Diabetes	250, 357.2, 362.0, 366.41, 648.0

#### Codes to Identify Visit Type

Description	CPT	UB Revenue
Outpatient	92002, 92004, 92012, 92014, 99201-99205, 99211-99215, 99217-99220, 99241-99245, 99341-99345, 99347-99350, 99384-99387, 99394-99397, 99401-99404, 99411, 99412, 99420, 99429, 99455, 99456	051x, 0520-0523, 0526-0529, 057x-059x, 077x, 082x-085x, 088x, 0982, 0983
Nonacute inpatient	99301-99313, 99315, 99316, 99318, 99321-99328, 99331-99337	0118, 0128, 0138, 0148, 0158, 019x, 0524, 0525, 055x, 066x
Acute inpatient	99221-99223, 99231-99233, 99238, 99239, 99251-99255, 99261-99263, 99291	010x, 0110-0114, 0119, 0120-0124, 0129, 0130-0134, 0139, 0140-0144, 0149, 0150-0154, 0159, 016x, 020x-022x, 072x, 080x, 0987
ED	99281-99285	045x, 0981

#### Continuous Enrollment in Health Plan:

The measurement year (October 1, 2007 through September 30, 2008). No more than one gap in enrollment of up to 45 days during the measurement year.

#### Exclusions:

Exclude adults who had a diagnosis of polycystic ovaries who did not have any face-to-face encounters with a diagnosis of diabetes, in any setting, during the measurement year or the year prior to the measurement year. Diagnosis can occur at any time in the adult's history, but must have occurred by September 30, 2008.

Exclude adults with gestational or steroid-induced diabetes (CDC-O) who did not have any face-to-face encounters with a diagnosis of diabetes (CDC-B), in any setting, during the measurement year or year prior to the measurement year. Diagnosis can occur during the measurement year or the year prior to the measurement year, but must have occurred by December 31 of the measurement year.

Many organizations find a high rate of false positives when they use laboratory data to identify diabetics because diabetes diagnosis codes are frequently reported on laboratory tests used to rule out diabetes; therefore, laboratory data was not used to identify diabetics.

**Numerator Event:**

An LDL-C test during the measurement year (October 1, 2007 through September 30, 2008).

Codes to Identify LDL-C Screening

CPT	CPT Category II	LOINC
80061, 83700, 83701, 83704, 83721	3048F, 3049F, 3050F	2089-1, 12773-8, 13457-7, 18261-8, 18262-6, 22748-8, 24331-1, 39469-2, 49132-4

**Designated Specialties:** Family Practice, internal medicine, endocrinology and cardiology.

**Measure Definition Source:** NCQA HEDIS 2009.

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