

Comprehensive Diabetes Care (CDC) HbA1c control (less than 8.0%)

The percentage of members 18–75 years of age with diabetes (type 1 and type 2 indicated in the measurement year or the year prior) whose most recent HbA1c reading was reported as less than 8%.

Improvement Notation	Higher score indicates better quality
Denominator	Patients 18–75 years as of the last day of the measurement year who meet the following criteria: At least two outpatient visits (Outpatient Value Set), observation visits (Observation Value Set) or nonacute inpatient encounters (Nonacute Inpatient Value Set) on different dates of service, with a diagnosis of diabetes (Diabetes Value Set). Visit type need not be the same for the two visits OR At least one acute inpatient encounter (Acute Inpatient Value Set) with a diagnosis of diabetes (Diabetes Value Set) OR At least one ED visit (ED Value Set) with a diagnosis of diabetes (Diabetes Value Set).
Numerator	Patients whose most recent HbA1c reading was reported as less than 8%.
Exclusions	Identify members who do not have a diagnosis of diabetes (Diabetes Value Set), in any setting, during the measurement year or year prior to the measurement year and who meet either of the following criteria: A diagnosis of polycystic ovaries (Polycystic Ovaries Value Set), in any setting, any time during the member's history through the last day of the measurement year. A diagnosis of gestational diabetes or steroid-induced diabetes (Diabetes Exclusions Value Set), in any setting, during the measurement year or the year prior to the measurement year.
Exceptions	None
Note	

Last updated 01/13/2017

Reference Periods

Reference Date 02/12/2017

Base Period	02/12/2016 - 02/12/2017	12 months prior to the reference date
Ever	- 02/12/2017	Any time prior to the reference date
Reporting Period Lookback	02/12/2015 - 02/12/2017	1 year prior to start date of Base Period

For help reading this document, refer to key on last page.

Denominator

AND

Between 18 and 75 years of age on end date of **Base Period** — 02/12/2017

One code indicating the following, on at least 2 different days for **Reporting Period Lookback** — between 02/12/2015 and 02/12/2017

✓ Diabetes

See table D1

Happening during same encounter as the following

Happening during same encounter as the following

✓ Outpatient encounter ✓ Office visit ✓ Observation ✓ Non-acute inpatient ✓ ED encounter

See table L1

OR

One code indicating the following for **Reporting Period Lookback** — between 02/12/2015 and 02/12/2017

✓ Diabetes

See table D1

Happening during same encounter as the following

Happening during same encounter as the following

✓ Acute inpatient

See table L2

OR

One code indicating the following for **Reporting Period Lookback** — between 02/12/2015 and 02/12/2017 (drugDateMode=START_DATE)
(orderingMode=OUTPATIENT)

✓ Prescriptions to identify members with Diabetes

See table D2

Numerator

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017 (use last recorded date for each) (Observation value=max 7.99)

✓ HbA1c less than 8%

See table **N1**

OR

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017 (use last recorded date for each)

✓ HbA1c less than 8%

See table **N2**

AND THEN

C DOES NOT HAPPEN AFTER

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at any point after the preceding criteria through 02/12/2017

✓ Any HbA1c test

See table **N3**

OR

One code indicating the following for **Base Period** — between 02/12/2016 and 02/12/2017, at any point after the preceding criteria through 02/12/2017

✓ Any HbA1c test

See table **N1**

Exclusion

NONE OF THE FOLLOWING

One code indicating the following for **Reporting Period Lookback** — between 02/12/2015 and 02/12/2017

✓ Diabetes

See table XCL1

AND

One code indicating the following for **Reporting Period Lookback** — between 02/12/2015 and 02/12/2017

✓ Diabetes exclusion

See table XCL2

OR

One code indicating the following for **Ever** — any time before 02/12/2017

✓ Polycystic ovaries

See table XCL3

Reference Tables

Linked Encounter Reference Tables

L1	✓ Outpatient encounter ✓ Office visit ✓ Observation ✓ Non-acute inpatient ✓ ED encounter
	Encounter
	Custom Codes
	Encounter: OFFICE_VISIT, Encounter: OUTPATIENT, Encounter: EMERGENCY
	Procedure
CPT	
	99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99217, 99218, 99219, 99220, 99241, 99242, 99243, 99244, 99245, 99281, 99282, 99283, 99284, 99285, 99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99381, 99382, 99383, 99384, 99385, 99386, 99387, 99391, 99392, 99393, 99394, 99395, 99396, 99397, 99401, 99402, 99403, 99404, 99411, 99412, 99420, 99429, 99455, 99456
L2	
	✓ Acute inpatient
	Procedure
	CPT
	99221, 99222, 99223, 99231, 99232, 99233, 99238, 99239, 99251, 99252, 99253, 99254, 99255, 99291

Denominator Reference Tables

D1

✓ Diabetes

Diagnosis

ICD-9

250, 250.0, 250.00, 250.01, 250.02, 250.03, 250.1, 250.10, 250.11, 250.12, 250.13, 250.2, 250.20, 250.21, 250.22, 250.23, 250.3, 250.30, 250.31, 250.32, 250.33, 250.4, 250.40, 250.41, 250.42, 250.43, 250.5, 250.50, 250.51, 250.52, 250.53, 250.6, 250.60, 250.61, 250.62, 250.63, 250.7, 250.70, 250.71, 250.72, 250.73, 250.8, 250.80, 250.81, 250.82, 250.83, 250.9, 250.90, 250.91, 250.92, 250.93, 357.2, 362.0, 362.01, 362.02, 362.03, 362.04, 362.05, 362.06, 362.07, 366.41, 648.0, 648.01, 648.02, 648.03, 648.04

D2

✓ Prescriptions to identify members with Diabetes

Drug

RxNorm

1043567, 1043574, 1043582, 106892, 1100706, 1189804, 1189808, 1189827, 1242968, 1243026, 1243033, 1243040, 1243833, 1243843, 1243848, 1312409, 1312416, 1312423, 1368012, 1368020, 1368036, 1368391, 1368398, 1368409, 1368416, 1368423, 1368430, 1368437, 1368444, 1373469, 1373473, 1486977, 1486981, 1534805, 1534822, 153591, 153843, 153845, 1544918, 1545156, 1545159, 1545163, 1545166, 1545664, 1545668, 1652604, 1652646, 1653204, 197495, 197496, 197737, 198292, 198293, 198294, 199149, 199150, 199245, 199246, 199247, 200132, 200256, 200257, 200258, 205828, 205830, 205872, 205875, 205879, 209247, 209248, 213170, 213218, 213219, 213220, 213442, 213485, 213486, 213487, 242120, 245265, 261241, 261242, 261243, 261266, 261267, 261268, 284529, 284530, 285018, 310488, 310489, 310490, 310534, 310536, 310537, 310539, 311026, 311027, 311033, 311036, 311919, 312440, 312441, 314000, 314006, 314142, 315107, 317573, 351859, 351926, 616238, 647237, 647239, 665036, 665040, 665044, 731281, 731457, 731463, 752388, 803194, 847189, 847199, 847201, 847205, 847213, 847232, 847241, 847254, 847261, 847708, 847712, 847716, 847720, 847724, 847913, 847917, 858040, 858044, 861041, 861043, 861045, 861731, 861733, 861736, 861738, 861740, 861742, 861743, 861747, 861748, 861752, 861753, 861757, 861762, 861765, 861771, 861783, 861785, 861789, 861792, 861808, 861818, 861821, 861822, 861824, 865098, 865568, 865571, 865573, 881407, 881409, 881411, 897126, 899993, 900000, 977840, 977842

Numerator Reference Tables

N1	✓ HbA1c less than 8%
	Observation
	LOINC
	17856-6, 4548-4, 4549-2, 59261-8, 62388-4

N2	✓ HbA1c less than 8%
	Procedure
	CPT
	3044F

N3	✓ Any HbA1c test
	Procedure
	CPT
	3044F, 3045F, 3046F

Exclusions Reference Tables

XCL1	✓ Diabetes
	Diagnosis
	ICD-9
	250, 250.0, 250.00, 250.01, 250.02, 250.03, 250.1, 250.10, 250.11, 250.12, 250.13, 250.2, 250.20, 250.21, 250.22, 250.23, 250.3, 250.30, 250.31, 250.32, 250.33, 250.4, 250.40, 250.41, 250.42, 250.43, 250.5, 250.50, 250.51, 250.52, 250.53, 250.6, 250.60, 250.61, 250.62, 250.63, 250.7, 250.70, 250.71, 250.72, 250.73, 250.8, 250.80, 250.81, 250.82, 250.83, 250.9, 250.90, 250.91, 250.92, 250.93, 357.2, 362.0, 362.01, 362.02, 362.03, 362.04, 362.05, 362.06, 362.07, 366.41, 648.0, 648.01, 648.02, 648.03, 648.04

XCL2	✓ Diabetes exclusion
	Diagnosis
	ICD-9
	249, 249.0, 249.00, 249.01, 249.1, 249.10, 249.11, 249.2, 249.20, 249.21, 249.3, 249.30, 249.31, 249.4, 249.40, 249.41, 249.5, 249.50, 249.51, 249.6, 249.60, 249.61, 249.7, 249.70, 249.71, 249.8, 249.80, 249.81, 249.9, 249.90, 249.91, 251.8, 648.8, 648.80, 648.81, 648.82, 648.83, 648.84, 962.0

XCL3	✓ Polycystic ovaries
	Diagnosis
	ICD-9
	256.4

Reference Periods

START	STOP
12:00:01 AM	12:00:00 AM
01/01/2015	02/01/2015

Different criteria in each measure require that records occur during a precise time period. Note that all dates begin at midnight.

Operators

Operators describe what criteria is needed for a measure. They include:

AND

Both criteria above and below the line must be met

OR

Either criteria above or below the line must be met

NONE OF THE FOLLOWING

The criteria following this are negated — they must not have occurred

Expressions

You will encounter certain expressions that denote a specific relationship between criteria. They include:



Linked Encounter

Indicates that the criteria listed above must have occurred during the same encounter as the criteria that immediately follows

AND THEN



HAPPENS AFTER

Indicates that the criteria must have occurred in a certain sequence. The criteria that follows must have occurred after the criteria listed above

AND THEN



HAPPENED PREVIOUSLY

Reverse sequence — the criteria that follows must have occurred before the criteria listed above

PLUS



COUNT INSTANCES

The first criteria specifies what must be on the patient record. The criteria below is then counted for that patient