

# Diabetes Care Outcome Measure

## Description

The percentage of outpatients 18-75 years of age with diabetes (type 1 and type 2) whose most recent HbA1c level was greater than 9.0% (poor control) during the last twelve months.

## Data Submission

Please submit to WSHA's Quality Benchmarking System (QBS) on a monthly basis. Submit primary care clinic data.

## Numerator

The total number of primary care clinic patients ages 18-75 with a primary care visit (face-to-face interaction during the calendar month) during the calendar month whose most recent HbA1c level is greater than 9.0% or is missing a result, or for whom an HbA1c test was not done during the last twelve months.

## Denominator

The total number of primary care clinic patients ages 18-75 with an office visit (face-to-face interaction during the calendar month) who had a diagnosis of diabetes (type 1 or type 2) during the last twelve months.

## Inclusions

- Critical Access Hospitals with outpatient care clinics
- Patients 18-75 years of age
- Primary care clinic settings
- Clinics staffed with general providers

## Exclusions

- Patients less than 18 years of age
- Specialists such as orthopedics, general surgery, etc.
- Patients who did not have a diagnosis of diabetes, in any setting, during the last twelve months.  
AND
- Patients who meet either of the following criteria:
  - A diagnosis of polycystic ovaries, in any setting, any time in the patient's history
  - A diagnosis of gestational or steroid-induced diabetes, in any setting, during the last twelve months or the year prior.

## Links to Appendix

[Office Visit or Face-to-Face Interaction Codes](#)

[Diabetes Diagnosis Codes](#)

[HbA1c Lab Result Codes](#)

[Gestational Diabetes Diagnosis Codes](#)

[Polycystic Ovaries](#)

## Office Visit or Face-to-Face Interaction Codes

CPT Codes	CPT Codes
99201	99345
99202	99347
99203	99348
99204	99349
99205	99350
99212	99385
99213	99386
99214	99387
99215	99395
99341	99396
99342	99397
99343	G0438
99344	G0439

## Diabetes Diagnosis Codes

ICD-10-CM	Description
E10.10	Type 1 diabetes mellitus with ketoacidosis without coma
E10.11	Type 1 diabetes mellitus with ketoacidosis with coma
E10.21	Type 1 diabetes mellitus with diabetic nephropathy
E10.22	Type 1 diabetes mellitus with diabetic chronic kidney disease
E10.29	Type 1 diabetes mellitus with other diabetic kidney complication
E10.311	Type 1 diabetes mellitus with unspecified diabetic retinopathy with macular edema
E10.319	Type 1 diabetes mellitus with unspecified diabetic retinopathy without macular edema
E10.321	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
E10.329	Type 1 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
E10.331	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
E10.339	Type 1 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
E10.341	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
E10.349	Type 1 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
E10.351	Type 1 diabetes mellitus with proliferative diabetic retinopathy with macular edema
E10.359	Type 1 diabetes mellitus with proliferative diabetic retinopathy without macular edema
E10.36	Type 1 diabetes mellitus with diabetic cataract
E10.39	Type 1 diabetes mellitus with other diabetic ophthalmic complication
E10.40	Type 1 diabetes mellitus with diabetic neuropathy, unspecified
E10.41	Type 1 diabetes mellitus with diabetic mononeuropathy
E10.42	Type 1 diabetes mellitus with diabetic polyneuropathy
E10.43	Type 1 diabetes mellitus with diabetic autonomic (poly)neuropathy
E10.44	Type 1 diabetes mellitus with diabetic amyotrophy
E10.49	Type 1 diabetes mellitus with other diabetic neurological complication
E10.51	Type 1 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E10.52	Type 1 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E10.59	Type 1 diabetes mellitus with other circulatory complications
E10.610	Type 1 diabetes mellitus with diabetic neuropathic arthropathy
E10.618	Type 1 diabetes mellitus with other diabetic arthropathy
ICD-10-CM	Description
E10.620	Type 1 diabetes mellitus with diabetic dermatitis

E10.621	Type 1 diabetes mellitus with foot ulcer
E10.622	Type 1 diabetes mellitus with other skin ulcer
E10.628	Type 1 diabetes mellitus with other skin complications
E10.630	Type 1 diabetes mellitus with periodontal disease
E10.638	Type 1 diabetes mellitus with other oral complications
E10.641	Type 1 diabetes mellitus with hypoglycemia with coma
E10.649	Type 1 diabetes mellitus with hypoglycemia without coma
E10.65	Type 1 diabetes mellitus with hyperglycemia
E10.69	Type 1 diabetes mellitus with other specified complication
E10.8	Type 1 diabetes mellitus with unspecified complications
E10.9	Type 1 diabetes mellitus without complications
E11.00	Type 2 diabetes mellitus with hyperosmolarity without nonketotic hyperglycemic-hyperosmolar coma (NKHHC)
E11.01	Type 2 diabetes mellitus with hyperosmolarity with coma
E11.21	Type 2 diabetes mellitus with diabetic nephropathy
E11.22	Type 2 diabetes mellitus with diabetic chronic kidney disease
E11.29	Type 2 diabetes mellitus with other diabetic kidney complication
E11.311	Type 2 diabetes mellitus with unspecified diabetic retinopathy with macular edema
E11.319	Type 2 diabetes mellitus with unspecified diabetic retinopathy without macular edema
E11.321	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy with macular edema
E11.329	Type 2 diabetes mellitus with mild nonproliferative diabetic retinopathy without macular edema
E11.331	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy with macular edema
E11.339	Type 2 diabetes mellitus with moderate nonproliferative diabetic retinopathy without macular edema
E11.341	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy with macular edema
E11.349	Type 2 diabetes mellitus with severe nonproliferative diabetic retinopathy without macular edema
E11.351	Type 2 diabetes mellitus with proliferative diabetic retinopathy with macular edema
E11.359	Type 2 diabetes mellitus with proliferative diabetic retinopathy without macular edema
E11.36	Type 2 diabetes mellitus with diabetic cataract
E11.39	Type 2 diabetes mellitus with other diabetic ophthalmic complication
E11.40	Type 2 diabetes mellitus with diabetic neuropathy, unspecified
E11.41	Type 2 diabetes mellitus with diabetic mononeuropathy
E11.42	Type 2 diabetes mellitus with diabetic polyneuropathy
E11.43	Type 2 diabetes mellitus with diabetic autonomic (poly)neuropathy
E11.44	Type 2 diabetes mellitus with diabetic amyotrophy
E11.49	Type 2 diabetes mellitus with other diabetic neurological complication
E11.51	Type 2 diabetes mellitus with diabetic peripheral angiopathy without gangrene
E11.52	Type 2 diabetes mellitus with diabetic peripheral angiopathy with gangrene
E11.59	Type 2 diabetes mellitus with other circulatory complications
E11.610	Type 2 diabetes mellitus with diabetic neuropathic arthropathy
E11.618	Type 2 diabetes mellitus with other diabetic arthropathy
E11.620	Type 2 diabetes mellitus with diabetic dermatitis
E11.621	Type 2 diabetes mellitus with foot ulcer
E11.622	Type 2 diabetes mellitus with other skin ulcer
E11.628	Type 2 diabetes mellitus with other skin complications
E11.630	Type 2 diabetes mellitus with periodontal disease
E11.638	Type 2 diabetes mellitus with other oral complications
E11.641	Type 2 diabetes mellitus with hypoglycemia with coma
E11.649	Type 2 diabetes mellitus with hypoglycemia without coma
ICD-10-CM	Description
E11.65	Type 2 diabetes mellitus with hyperglycemia
E11.69	Type 2 diabetes mellitus with other specified complication
E11.8	Type 2 diabetes mellitus with unspecified complications

E11.9	Type 2 diabetes mellitus without complications
O24.011	Pre-existing diabetes mellitus, type 1, in pregnancy, first trimester
O24.012	Pre-existing diabetes mellitus, type 1, in pregnancy, second trimester
O24.013	Pre-existing diabetes mellitus, type 1, in pregnancy, third trimester
O24.019	Pre-existing diabetes mellitus, type 1, in pregnancy, unspecified trimester
O24.02	Pre-existing diabetes mellitus, type 1, in childbirth
O24.03	Pre-existing diabetes mellitus, type 1, in the puerperium
O24.111	Pre-existing diabetes mellitus, type 2, in pregnancy, first trimester
O24.112	Pre-existing diabetes mellitus, type 2, in pregnancy, second trimester
O24.113	Pre-existing diabetes mellitus, type 2, in pregnancy, third trimester
O24.119	Pre-existing diabetes mellitus, type 2, in pregnancy, unspecified trimester
O24.12	Pre-existing diabetes mellitus, type 2, in childbirth
O24.13	Pre-existing diabetes mellitus, type 2, in the puerperium

### [HbA1c Lab Result Codes](#)

LOINC Code	Description
17855-8	Hemoglobin A1c/Hemoglobin.total in Blood by calculation
17856-6	Hemoglobin A1c/Hemoglobin.total in Blood by HPLC
4548-4	Hemoglobin A1c/Hemoglobin.total in Blood

### [Gestational Diabetes Diagnosis Codes](#)

ICD-10-CM	Description
O24.410	Gestational diabetes mellitus in pregnancy, diet controlled
O24.414	Gestational diabetes mellitus in pregnancy, insulin controlled
O24.419	Gestational diabetes mellitus in pregnancy, unspecified control
O24.420	Gestational diabetes mellitus in childbirth, diet controlled
O24.424	Gestational diabetes mellitus in childbirth, insulin controlled
O24.429	Gestational diabetes mellitus in childbirth, unspecified control
O24.430	Gestational diabetes mellitus in the puerperium, diet controlled
O24.434	Gestational diabetes mellitus in the puerperium, insulin controlled
O24.439	Gestational diabetes mellitus in the puerperium, unspecified control

### [Polycystic Ovaries](#)

ICD-10-CM	Description
E28.2	Polycystic ovarian syndrome