## **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](#_Office_Visit_or)

[Diabetes Diagnosis Codes](#_Diabetes_Diagnosis_Codes)

[HbA1c Lab Result Codes](#_HbA1c_Lab_Result)

[Gestational Diabetes Diagnosis Codes](#_Gestational_Diabetes_Diagnosis)

## [Polycystic Ovaries](#_Polycystic_Ovaries)

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

|  |  |
| --- | --- |
| 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](#_Diabetes_Care_Outcome)**

|  |  |
| --- | --- |
| 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](#_Diabetes_Care_Outcome)**

|  |  |
| --- | --- |
| 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](#_Diabetes_Care_Outcome)**

|  |  |
| --- | --- |
| 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 |