



# Comprehensive Diabetes Care: HbA1c Testing

November 2022

## Measure Description

The percentage of members 18-75 years of age with diabetes (type 1 and type 2) who had the following:

- Hemoglobin A1c (HbA1c) testing.\*

## Evaluation Period

Calendar Year

## Numerator

An HbA1c test performed during the measurement year.

Condition Description	# Event	Detailed Criteria
HbA1c Lab Test	CPT	83036, 83037
	LOINC	17856-6, 4548-4, 4549-2

## Denominator

Patients age 18-75 years identified as diabetic through pharmacy data, claim/encounter data, or medical record data.

*Claim/encounter data.* Patients who met any of the following criteria during the measurement year or the year prior to the measurement year (count services that occur over both years):



Condition Description	# Event	Detailed Criteria	With a diagnosis of diabetes:
At least two outpatient visits	1	<p>CPT Codes (99201, 99202, 99203, 99204, 99205, 99211, 99212, 99213, 99214, 99215, 99241, 99242, 99243, 99244, 99245, 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)</p> <p>UBREV Codes (00510, 00511, 00512, 00513, 00514, 00515, 00516, 00517, 00519, 00520, 00521, 00522, 00523, 00526, 00527, 00528, 00529, 00982, 00983)</p> <p>HCPCS Codes (G0402, G0438, G0439, G0463, T1015)</p>	<p>E10.10, E10.11, E10.21, E10.22, E10.29, E10.311, E10.319, E10.321, E10.329, E10.331, E10.339, E10.341, E10.349, E10.351, E10.359, E10.36, E10.39, E10.40, E10.41, E10.42, E10.43, E10.44, E10.49, E10.51, E10.52, E10.59, E10.610, E10.618, E10.620, E10.621, E10.622, E10.628, E10.630, E10.638, E10.641, E10.649, E10.65, E10.69, E10.8, E10.9, E11.00, E11.01, E11.21, E11.22, E11.29, E11.311, E11.319, E11.321, E11.329, E11.331, E11.339, E11.341, E11.349, E11.351, E11.359, E11.36, E11.39, E11.40, E11.41, E11.42, E11.43, E11.44, E11.49, E11.51, E11.52, E11.59, E11.610, E11.618, E11.620, E11.621, E11.622, E11.628, E11.630, E11.638, E11.641, E11.649, E11.65, E11.69, E11.8, E11.9, E13.00, E13.01, E13.10, E13.11, E13.21, E13.22, E13.29, E13.311, E13.319, E13.321, E13.329, E13.331, E13.339, E13.341, E13.349, E13.351, E13.359, E13.36, E13.39, E13.40, E13.41, E13.42, E13.43, E13.44, E13.49, E13.51, E13.52, E13.59, E13.610, E13.618, E13.620, E13.621, E13.622, E13.628, E13.630, E13.638, E13.641, E13.649, E13.65, E13.69, E13.8, E13.9, O24.011, O24.012, O24.013, O24.019, O24.02, O24.03, O24.111, O24.112, O24.113, O24.119, O24.12, O24.13, O24.311, O24.312, O24.313, O24.319, O24.32, O24.33, O24.811, O24.812, O24.813, O24.819, O24.82, O24.83</p>
At least two observation visits	1	CPT Codes (99217, 99218, 99219, 99220)	
At least two ED Visits	1	<p>CPT Codes (99281, 99282, 99283, 99284, 99285)</p> <p>UBREV Codes (00450, 00451, 00452, 00456, 00459, 00981)</p>	
At least two Telephone Visits	1	CPT Codes (98966, 98967, 98968, 99441, 99442, 99443)	



At least two Online Assessments		CPT Codes (98969, 99444)
At least two Nonacute Inpatient Encounters	1	CPT Codes (99304, 99305, 99306, 99307, 99308, 99309, 99310, 99315, 99316, 99318, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337)
At least one Acute Inpatient Encounter	1	CPT Codes (99221, 99222, 99223, 99231, 99232, 99233, 99238, 99239, 99251, 99252, 99253, 99254, 99255, 99291)  UBREV Codes (00100, 00101, 00110, 00111, 00112, 00113, 00114, 00119, 00120, 00121, 00122, 00123, 00124, 00129, 00130, 00131, 00132, 00133, 00134, 00139, 00140, 00141, 00142, 00143, 00144, 00149, 00150, 00151, 00152, 00153, 00154, 00159, 00160, 00164, 00167, 00169, 00200, 00201, 00202, 00203, 00204, 00206, 00207, 00208, 00209, 00210, 00211, 00212, 00213, 00214, 00219, 00720, 00721, 00722, 00723, 00724, 00729, 00987)

*Pharmacy data.* Patients who were dispensed or prescribed insulin or hypoglycemics/ antihyperglycemics during the measurement year or year prior to the measurement year on an ambulatory basis.

Hypoglycemics/antihyperglycemics		
Alpha-glucosidase inhibitors	<ul style="list-style-type: none"> <li>Acarbose</li> </ul>	<ul style="list-style-type: none"> <li>Miglitol</li> </ul>
Amylin analogs	<ul style="list-style-type: none"> <li>Pramlitidine</li> </ul>	
Antidiabetic combinations	<ul style="list-style-type: none"> <li>Alogliptin-metformin</li> <li>Alogliptin-pioglitazone</li> </ul>	<ul style="list-style-type: none"> <li>Glyburide-metformin</li> <li>Linagliptin-metformin</li> <li>Metformin-pioglitazone</li> <li>Metformin-repaglinide</li> </ul>



	<ul style="list-style-type: none"> <li>• Canagliflozin-metformin</li> <li>• Dapagliflozin-metformin</li> <li>• Empagliflozin-linagliptin</li> <li>• Empagliflozin-metformin</li> <li>• Glimepiride-pioglitazone</li> <li>• Glipizide-metformin</li> </ul>	<ul style="list-style-type: none"> <li>• Metformin-rosiglitazone</li> <li>• Metformin-saxagliptin</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 degludec</li> <li>• Insulin detemir</li> <li>• Insulin glargine</li> <li>• Insulin glulisine</li> <li>• Insulin isophane human</li> </ul>	<ul style="list-style-type: none"> <li>• Insulin isophane-insulin regular</li> <li>• Insulin lispro</li> <li>• Insulin lispro-insulin lispro protamine</li> <li>• Insulin regular human</li> <li>• Insulin human inhaled</li> </ul>
Meglitinides	<ul style="list-style-type: none"> <li>• Nateglinide</li> </ul>	<ul style="list-style-type: none"> <li>• Repaglinide</li> </ul>
Glucagon-like peptide-1 (GLP1) agonists	<ul style="list-style-type: none"> <li>• Dulaglutide</li> <li>• Exenatide</li> </ul>	<ul style="list-style-type: none"> <li>• Liraglutide</li> <li>• Albiglutide</li> </ul>
Sodium glucose cotransporter 2 (SGLT2) inhibitor	<ul style="list-style-type: none"> <li>• Canagliflozin</li> <li>• Empagliflozin</li> </ul>	<ul style="list-style-type: none"> <li>• Dapagliflozin</li> </ul>
Dipeptidyl peptidase-4 (DDP-4) inhibitors	<ul style="list-style-type: none"> <li>• Alogliptin</li> <li>• Linagliptin</li> </ul>	<ul style="list-style-type: none"> <li>• Saxagliptin</li> <li>• Sitagliptin</li> </ul>
Sulfonylureas	<ul style="list-style-type: none"> <li>• Chlorpropamide</li> <li>• Glimepiride</li> </ul>	<ul style="list-style-type: none"> <li>• Glipizide</li> <li>• Glyburide</li> <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>

## Denominator Exclusions

Exclude patients with a diagnosis of gestational diabetes or steroid induced diabetes.

Denominator Codes	
ICD10-CM	E08.00, E08.01, E08.10, E08.11, E08.21, E08.22, E08.29, E08.311, E08.319, E08.321, E08.3211, E08.3212, E08.3213, E08.3219, E08.329, E08.3291, E08.3292, E08.3293, E08.3299, E08.331, E08.3311, E08.3312, E08.3313, E08.3319, E08.339, E08.3391, E08.3392, E08.3393, E08.3399, E08.341, E08.3411, E08.3412, E08.3413, E08.3419, E08.349, E08.3491, E08.3492, E08.3493, E08.3499, E08.351, E08.3511, E08.3512, E08.3513, E08.3519, E08.3521, E08.3522, E08.3523, E08.3529, E08.3531, E08.3532, E08.3533, E08.3539, E08.3541, E08.3542, E08.3543, E08.3549, E08.3551, E08.3552, E08.3553, E08.3559, E08.359, E08.3591, E08.3592, E08.3593, E08.3599, E08.36, E08.37X1, E08.37X2, E08.37X3, E08.37X9, E08.39, E08.40, E08.41, E08.42, E08.43, E08.44, E08.49, E08.51, E08.52, E08.59,



<p>E08.610, E08.618, E08.620, E08.621, E08.622, E08.628, E08.630, E08.638, E08.641, E08.649, E08.65, E08.69, E08.8, E08.9, E09.00, E09.01, E09.10, E09.11, E09.21, E09.22, E09.29, E09.311, E09.319, E09.321, E09.3211, E09.3212, E09.3213, E09.3219, E09.329, E09.3291, E09.3292, E09.3293, E09.3299, E09.331, E09.3311, E09.3312, E09.3313, E09.3319, E09.339, E09.3391, E09.3392, E09.3393, E09.3399, E09.341, E09.3411, E09.3412, E09.3413, E09.3419, E09.349, E09.3491, E09.3492, E09.3493, E09.3499, E09.351, E09.3511, E09.3512, E09.3513, E09.3519, E09.3521, E09.3522, E09.3523, E09.3529, E09.3531, E09.3532, E09.3533, E09.3539, E09.3541, E09.3542, E09.3543, E09.3549, E09.3551, E09.3552, E09.3553, E09.3559, E09.359, E09.3591, E09.3592, E09.3593, E09.3599, E09.36, E09.37X1, E09.37X2, E09.37X3, E09.37X9, E09.39, E09.40, E09.41, E09.42, E09.43, E09.44, E09.49, E09.51, E09.52, E09.59, E09.610, E09.618, E09.620, E09.621, E09.622, E09.628, E09.630, E09.638, E09.641, E09.649, E09.65, E09.69, E09.8, E09.9, O24.410, O24.414, O24.415, O24.419, O24.420, O24.424, O24.425, O24.429, O24.430, O24.434, O24.435, O24.439, O24.911, O24.912, O24.913, O24.919, O24.92, O24.93</p>
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### Notes

- Measure Steward is NCQA

