

# Diabetes: Eye Exam eCQM CMS131v12

Last modified on 10/08/2024 2:15 pm EDT

## Description:

Percentage of patients 18-75 years of age with diabetes and an active diagnosis of retinopathy in any part of the measurement period who had a retinal or dilated eye exam by an eye care professional during the measurement period or diabetics with no diagnosis of retinopathy in any part of the measurement period who had a retinal or dilated eye exam by an eye care professional during the measurement period or in the 12 months prior to the measurement period.

## Guidance:

The eye exam must be performed by an ophthalmologist or optometrist, or there must be evidence that fundus photography results were read by a system that provides an artificial intelligence (AI) interpretation.

This eCQM is a patient-based measure.

## Initial Population:

Patients 18-75 years of age at the end of the measurement period, with diabetes with a visit during the measurement period.

## AND

A diabetes diagnosis.

## ICD-10 Codes

E10.10, E10.11, E10.21, E10.22, E10.29, E10.311, E10.319, E10.3211, E10.3212, E10.3213, E10.3219, E10.3291, E10.3292, E10.3293, E10.3299, E10.3311, E10.3312, E10.3313, E10.3319, E10.3391, E10.3392, E10.3393, E10.3399, E10.3411, E10.3412, E10.3413, E10.3419, E10.3491, E10.3492, E10.3493, E10.3499, E10.3511, E10.3512, E10.3513, E10.3519, E10.3521, E10.3522, E10.3523, E10.3529, E10.3531, E10.3532, E10.3533, E10.3539, E10.3541, E10.3542, E10.3543, E10.3549, E10.3551, E10.3552, E10.3553, E10.3559, E10.3591, E10.3592, E10.3593, E10.3599, E10.36, E10.37X1, E10.37X2, E10.37X3, E10.37X9, 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, E11.3211, E11.3212, E11.3213, E11.3219, E11.3291, E11.3292, E11.3293, E11.3299, E11.3311, E11.3312, E11.3313, E11.3319, E11.3391, E11.3392, E11.3393, E11.3399, E11.3411, E11.3412, E11.3413, E11.3419, E11.3491, E11.3492, E11.3493, E11.3499, E11.3511, E11.3512, E11.3513, E11.3519, E11.3521, E11.3522, E11.3523, E11.3529, E11.3531, E11.3532, E11.3533, E11.3539, E11.3541, E11.3542, E11.3543, E11.3549, E11.3551, E11.3552, E11.3553, E11.3559, E11.3591, E11.3592, E11.3593, E11.3599, E11.36, E11.37X1, E11.37X2, E11.37X3, E11.37X9, 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, E13.3211, E13.3212, E13.3213, E13.3219, E13.3291, E13.3292, E13.3293, E13.3299, E13.3311, E13.3312, E13.3313, E13.3319, E13.3391, E13.3392, E13.3393, E13.3399, E13.3411, E13.3412, E13.3413, E13.3419, E13.3491, E13.3492, E13.3493, E13.3499, E13.3511, E13.3512, E13.3513, E13.3519, E13.3521, E13.3522, E13.3523, E13.3529, E13.3531, E13.3532, E13.3533, E13.3539, E13.3541, E13.3542, E13.3543, E13.3549,

E13.3551, E13.3552, E13.3553, E13.3559, E13.3591, E13.3592, E13.3593, E13.3599, E13.36, E13.37X1, E13.37X2, E13.37X3, E13.37X9, 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

ICD-10 Codes can be entered in any of the billing or assessment sections for the patient's visit.

**Schedule Appointment** ✕

Appointment
**Billing**
Eligibility
Vitals
Growthcharts
Flags
Log Comm.
Revisions
Custom Data
MU Helper

Institutional Claim
 

Patient SuperBill

Clinical Note

Billing Details

Other Forms

**Billing Status**

ICD Version

Patient Payment \$  Copay: \$20

Pre Authorization Approval

Referral #

Payment Profile

Billing Profile

Billing Pick List

Diagnosis Pick List

Credit Card Payment

**HCFA Box 10 - Is patient's condition related to:**

Employment

Auto Accident

Other Accident

Onset Date Type

Onset Date

Other Date Type

Other Date

Claim Billed: \$0.00    Adjustment: \$0.00    Insurer Paid: \$0.00    Patient Paid: \$0.00

**ICD-10 Codes**

#	Code	Description
1	E10.10	Type 1 diabetes mellitus with ketoacidosis without coma <span style="float: right;">✕</span>

**CPT Codes**

Code	Description	Price (\$)
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**SNOMEDCT Diagnosis Codes**

190369008, 237618001, 314771006, 314904008, 102781000119107, 104941000119109, 104961000119108, 109171000119104, 110181000119105, 138881000119106, 138891000119109, 138901000119108, 138911000119106, 138921000119104, 138941000119105, 1481000119100, 1501000119109, 1511000119107, 1551000119108, 190330002, 190331003, 190368000, 190372001, 190389009, 199229001, 199230006, 23045005, 237599002, 237604008, 28032008, 28331000119107, 31211000119101, 31321000119102, 313435000, 313436004, 314893005, 314902007, 314903002, 359642000, 368101000119109, 368521000119107, 368581000119106, 41911000119107, 420279001, 420436000, 420486006, 420789003, 420918009, 421075007, 421326000, 421365002, 421437000, 421468001, 421779007, 421847006, 421893009, 422034002, 422099009, 422166005, 427027005, 427571000, 428007007, 44054006, 46635009, 60951000119105, 609562003, 609564002, 609566000, 609567009, 60961000119107, 60971000119101, 60991000119100, 691000119103, 712882000, 712883005, 713702000, 713703005, 713705003, 713706002, 71441000119104, 71721000119101, 71791000119104, 719216001, 739681000, 770098001, 81531005, 82541000119100, 82551000119103, 82571000119107, 82581000119105, 87921000119104, 97331000119101, 9859006

Both SNOMEDCT and ICD-10 codes can be entered into a patient's chart under the **Problem List** section.

You can search by the ICD-10 or SNOMEDCT code. Select the code and the appointment and **save**.

### Enter Problem

Problem:

ICD Version: Ketoacidosis due to type 1 diabetes mellitus  
*snomed: 420270002 / icd10: E10.10*

ICD10 code: Ketoacidosis due to type 1 diabetes mellitus  
*snomed: 420422005 / icd10: E10.10*

SnoMED CT code: Acidosis due to type 1 diabetes mellitus  
*snomed: 721283000 / icd10: E10.10*

Status: active

Appointment:
 

- 
- 3/30/2023 11:30AM
- 3/24/2023 11:10AM
- 3/23/2023 11:30AM
- 3/22/2023 11:10AM
- 3/21/2023 09:50AM
- 3/16/2023 11:30AM
- 3/08/2023 11:30AM
- 3/02/2023 11:30AM
- 3/02/2023 11:30AM

Appointment associated with this problem. Highly recommended for reporting accuracy.

### Enter Problem

Problem:

ICD Version: Ischemia of retina due to type 1 diabetes mellitus  
*snomed: 104941000119109 / icd10: E10.39*

ICD10 code: Ischemia of retina due to type 1 diabetes mellitus  
*snomed: 104941000119109 / icd10: H34.9*

SnoMED CT code: *snomed: 104941000119109 / icd10: H34.9*

Status: active

Appointment:
 

- 
- 3/30/2023 11:30AM
- 3/24/2023 11:10AM
- 3/23/2023 11:30AM
- 3/22/2023 11:10AM
- 3/21/2023 09:50AM
- 3/16/2023 11:30AM
- 3/08/2023 11:30AM
- 3/02/2023 11:30AM
- 3/02/2023 11:30AM

Appointment associated with this problem. Highly recommended for reporting accuracy.

**WITH**

**A Visit During the Measurement Period**

**CPT Codes:**

92002, 92004, 92012, 92014, 99504, 99509, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99201, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215, 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, 99429, 99455, 99456, 99483

**HCPCS Codes:**

G0402, G0438, G0439, G0162, G0299, G0300, G0493, G0494, S0271, S0311, S9123, S9124, T1000, T1001, T1002, T1003, T1004, T1005, T1015, T1019, T1020, T1021, T1022, T1030, T1031

CPT and HCPCS codes can be entered into the billing section for the encounter. Below is an example from the appointment window.

## Schedule Appointment

Appointment **Billing** Eligibility Vitals Growthcharts Flags Log Comm. Revisions Custom Data MU Helper

Institutional Claim

Patient SuperBill Clinical Note Billing Details Other Forms

<p><b>Billing Status</b> <input type="text"/></p> <p>ICD Version <input type="text" value="ICD-10"/></p> <p>Patient Payment \$ <input type="text" value="0"/> Copay: \$20 <input type="button" value="+"/></p> <p>Pre Authorization Approval <input type="text"/></p> <p>Referral # <input type="text"/></p> <p>Payment Profile <input type="text" value="Insurance"/></p> <p>Billing Profile <input type="text"/> <input type="button" value="+"/></p> <p>Billing Pick List <input type="text" value="Choose Codes from Pick List"/></p> <p>Diagnosis Pick List <input type="text" value="Choose Codes from Pt Problems"/></p> <p>Credit Card Payment <input type="button" value="Process Credit Card"/></p>	<p><b>HCFA Box 10 - Is patient's condition related to:</b></p> <p>Employment <input type="text" value="No"/></p> <p>Auto Accident <input type="text" value="No"/></p> <p>Other Accident <input type="text" value="No"/></p> <p>Onset Date Type <input type="text" value="Onset of Current Symptoms"/></p> <p>Onset Date <input type="text"/></p> <p>Other Date Type <input type="text" value="- Other Date Type -"/></p> <p>Other Date <input type="text"/></p>
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Claim Billed: \$0.00 Adjustment: \$0.00 Insurer Paid: \$0.00 Patient Paid: \$0.00

**ICD-10 Codes**

#	Code	Description
1	E11.10	Type 2 diabetes mellitus with ketoacidosis without coma

**ICD-9 Codes to Convert**

#	Code	Description
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**NDC Codes**

NDC Code	Quantity	Units	Line Item
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**Custom Codes**

Code	Description	Price (\$)
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**CPT Codes**

Code	Description	Price (\$)
1 99213	OFFICE O/P EST LOW 20-29 MIN	145.00

Modifiers:

Quantity/Minutes:

Diagnosis Pointers:

**HCPCS Codes**

Code	Description	Price (\$)
1 G0438	Ppps initial visit	0

Modifiers:

### Denominator

Equals initial population.

### Denominator Exclusions

Exclude patients who are in hospice care for any part of the measurement period. Exclude patients 66 and older by the end of the measurement period who are living long-term in a nursing home any time on or before the end of the measurement period.

Exclude patients 66 and older by the end of the measurement period with an indication of frailty for any part of the measurement period who also meet any of the following advanced illness criteria:

- Advanced illness with two outpatient encounters during the measurement period or the year prior
- OR advanced illness with one inpatient encounter during the measurement period or the year prior
- OR taking dementia medications during the measurement period or the year prior

Exclude patients receiving palliative care for any part of the measurement period.

### Denominator Exceptions

None

## Numerator

Patients with an eye screening for diabetic retinal disease. This includes diabetics who had one of the following:

- Diabetic with a diagnosis of retinopathy in any part of the measurement period and a retinal or dilated eye exam by an eye care professional in the measurement period
- Diabetic with no diagnosis of retinopathy in any part of the measurement period and a retinal or dilated eye exam by an eye care professional in the measurement period or the year before the measurement period

SNOMEDCT codes can be entered to document the eye screening.

### SNOMEDCT Description

252779009	Single bright white flash electroretinography (procedure)
252780007	Dark adapted single bright flash electroretinography (procedure)
252781006	Pre-dark-adapted single bright flash electroretinography (procedure)
252782004	Photopic electroretinography (procedure)
252783009	Scotopic rod electroretinography (procedure)
252784003	Flicker electroretinography (procedure)
252788000	Chromatic electroretinography (procedure)
252789008	Early receptor potential electroretinography (procedure)
252790004	Focal electroretinography (procedure)
274795007	Examination of optic disc (procedure)
274798009	Examination of retina (procedure)
308110009	Direct funduscopy following mydriatic (procedure)
314971001	Camera funduscopy (procedure)
314972008	Indirect funduscopy following mydriatic (procedure)
410451008	Indirect ophthalmoscopy (procedure)
410452001	Monocular indirect ophthalmoscopy (procedure)
410453006	Binocular indirect ophthalmoscopy (procedure)
410455004	Slit lamp fundus examination (procedure)
420213007	Multifocal electroretinography (procedure)
425816006	Ultrasonic evaluation of retina (procedure)
427478009	Evaluation of retina (procedure)
6615001	Electroretinography (procedure)
722161008	Diabetic retinal eye exam (procedure)

The SNOMED CT codes are entered in the patient's chart in the CQMs section. Select **New** under **Physical Exam**. Select **+New**.

+ Add new patient

- Demographics
- Appointments
- Clinical Dashboard !
- Documents
- Eligibility
- Tasks 9
- Problem List !
- Medication List !
- Send eRx
- Allergy List 0
- Drug Interactions 13
- CQMs

Aug 26, 2022	SNOMEDCT: 413473000	Counseling about alcohol consumption (procedure)	✎ ✕
May 25, 2022	HCPCS: G8417	Bmi is documented above normal parameters and a follow-up plan is documented	✎ ✕

**Risk Category/Assessment** + New

Datetime	Code	Description	Value	
Jan 27, 2023	LOINC: 44261-6	Patient Health Questionnaire 9 item (PHQ-9) total score [Reported]		✎ ✕
May 25, 2022	LOINC: 73830-2	Fall risk assessment	Abuse of herbal medicine or folk remedy (disorder)	✎ ✕

**Physical Exam** + New

Datetime	Code	Description	Value	Units	
Mar 29, 2023	SNOMEDCT: 252779009	Single bright white flash electroretinography (procedure)			✎ ✕
Oct 28, 2022	LOINC: 8480-6	Systolic blood pressure	120		
Oct 28, 2022	LOINC: 8462-4	Diastolic blood pressure	80		
Oct 28, 2022	LOINC: 39156-5	Systolic blood pressure	22.46	kg/m2	✎ ✕
Oct 6, 2022	LOINC: 8480-6	Systolic blood pressure	99		
Oct 6, 2022	LOINC: 8462-4	Diastolic blood pressure	125		
Aug 23, 2022	LOINC: 39156-5	Systolic blood pressure	31.14	kg/m2	✎ ✕
May 5, 2022	LOINC: 8480-6	Systolic blood pressure	120		

You can add the exam by searching for the code or keyword. Once you have the exam, select the appointment, and click **Create**.

Create Physical Exam

Physical Exam: 252779009 Required

Appointment: Single bright white flash electroretinography (procedure)  
SNOMEDCT: 252779009  
Axillary temperature  
LOINC: 8328-7  
Binocular indirect ophthalmoscopy (procedure)  
SNOMEDCT: 410453006  
Body height  
LOINC: 8302-2  
Body height --lying  
LOINC: 8306-3  
Body height --preoperative  
LOINC: 8307-1  
Body height --standing  
LOINC: 8308-9

Datetime: Body height Measured  
LOINC: 3137-7

Value: Body mass index (BMI) [Percentile]  
LOINC: 59574-4  
Body mass index (BMI) [Percentile] Per age  
LOINC: 59575-1

Create

Create Physical Exam

Physical Exam: dark Required

Appointment: Dark adapted single bright flash electroretinography (procedure)  
SNOMEDCT: 252780007  
Axillary temperature  
LOINC: 8328-7  
Binocular indirect ophthalmoscopy (procedure)  
SNOMEDCT: 410453006  
Body height  
LOINC: 8302-2  
Body height --lying  
LOINC: 8306-3  
Body height --preoperative  
LOINC: 8307-1  
Body height --standing  
LOINC: 8308-9

Datetime: Body height Measured  
LOINC: 3137-7

Value: Body mass index (BMI) [Percentile]  
LOINC: 59574-4  
Body mass index (BMI) [Percentile] Per age  
LOINC: 59575-1

Create

Create Physical Exam

Physical Exam: Dark adapted single bright flash e

Appointment: 3/30/2023 11:30AM  
3/28/2023 01:40PM  
3/24/2023 11:10AM  
3/23/2023 11:30AM  
3/22/2023 11:10AM  
3/21/2023 09:50AM  
3/16/2023 11:30AM  
3/09/2023 11:30AM  
3/02/2023 11:30AM

Datetime: 03/29/2023 01:35

Value: SNOMEDCT: 252780007 (optional)

Create

## Numerator Exclusions

Not applicable

## Measurement Information