**Health Dimension:**  **Diabetes Control**

**PHX Label:** Diabetes Control  
**PHX FeatureId:** CVR\_04  
**PHX Feature Type:** Health Dimension  
**PHX Description:** patients with diabetes and HbA1C < 9  
**PHX Full Description:** Percent of patient with diabetes with HbA1C < 9

**Version:** v1.0  
**Created:** 01/13/2025  
  
**Source:** CMS   
**Source Title:** Diabetes – Hemoglobin A1C (HbA1c) Poor Control (<9%)  
**Source Reference Id:** Quality ID #1 (NQF 0059)

**Source Specification Link (if applicable):** <https://ecqi.healthit.gov/sites/default/files/ecqm/measures/CMS122v12.html>

Value Set Link: [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Overview/rationale:** See source specification link

**PHX implementation notes:**

1. Only patients with a Hba1C value in measurement year are included in numerator (CMS includes unscreened patients with an encounter in the numerator).
2. Numerator includes patients in control (CMS uses patients in poor control).
3. Initial calculation uses patient in Active 2yr Lookback period.

**Diagnosis of Diabetes:**

**VSAC link:** [CMS122v12](https://ecqi.healthit.gov/sites/default/files/ecqm/measures/CMS122v12.html)

**Base Code Set:** [diabetes\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/diabetes_01_base.txt)

**Base Code Set as pdf:** [diabetes\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/diabetes_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [diabetes\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/diabetes_01.txt)

**Reference Code Set as pdf:** [diabetes\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/diabetes_01.pdf)

**HBA1c Laboratory Test:**

**VSAC link:** [CMS122v12](https://ecqi.healthit.gov/sites/default/files/ecqm/measures/CMS122v12.html)

**Base Code Set:** [hba1c\_laboratory\_test\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hba1c_laboratory_test_01_base.txt)

**Base Code Set as pdf:** [hba1c\_laboratory\_test\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hba1c_laboratory_test_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [hba1c\_laboratory\_test\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hba1c_laboratory_test_01.txt)

**Reference Code Set as pdf:** [hba1c\_laboratory\_test\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hba1c_laboratory_test_01.pdf)

**Advance Illness:**

**VSAC link:** [CMS165v12](https://ecqi.healthit.gov/ecqm/ec/2024/cms0165v12?qt-tabs_measure=measure-information)

**Base Code Set:** [advance\_illness\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/advanced_illness_01_base.txt)

**Base Code Set as pdf:** [advanced\_illness\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/advanced_illness_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [advance\_illness\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/advanced_illness_01.txt)

**Reference Code Set as pdf:** [advance\_illness\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/advanced_illness_01.pdf)

**Frailty:**

**VSAC link:** [CMS165v12](https://ecqi.healthit.gov/ecqm/ec/2024/cms0165v12?qt-tabs_measure=measure-information)

**Base Code Set:** [frailty\_diagnosis\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/frailty_diagnosis_01_base.txt)

**Base Code Set as pdf:** [frailty\_diagnosis\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/frailty_diagnosis_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [frailty\_diagnosis\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/frailty_diagnosis_01.txt)

**Reference Code Set as pdf:** [frailty\_diagnosis\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/frailty_diagnosis_01.pdf)

**Hospice:**

**VSAC link:** [CMS165v12](https://ecqi.healthit.gov/ecqm/ec/2024/cms0165v12?qt-tabs_measure=measure-information)

**Base Code Set:** [hospice\_diagnosis\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hospice_diagnosis_01_base.txt)

**Base Code Set as pdf:** [hospice\_diagnosis\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hospice_diagnosis_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [hospice\_diagnosis\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hospice_diagnosis_01.txt)

**Reference Code Set as pdf:** [hospice\_diagnosis\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/hospice_diagnosis_01.pdf)

**Palliative Care:**

**VSAC link:** [CMS165v12](https://ecqi.healthit.gov/ecqm/ec/2024/cms0165v12?qt-tabs_measure=measure-information)

**Base Code Set:** [palliative\_care\_diagnosis\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/palliative_care_diagnosis_01_base.txt)

**Base Code Set as pdf:** [palliative\_care\_diagnosis\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/palliative_care_diagnosis_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [pallative\_care\_diagnosis\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/palliative_care_diagnosis_01.txt)

**Reference Code Set as pdf:** [palliative\_care\_diagnosis\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/palliative_care_diagnosis_01.pdf)

**Dementia Medications:**

**VSAC link:** [CMS165v12](https://ecqi.healthit.gov/ecqm/ec/2024/cms0165v12?qt-tabs_measure=measure-information)

**Base Code Set:** [dementia\_medications\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/dementia_medications_01_base.txt)

**Base Code Set as pdf:** [dementia\_medications\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/dementia_medications_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [dementia\_medications\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/dementia_medications_01.txt)

**Reference Code Set as pdf:** [dementia\_medications\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/dementia_medications_01.pdf)

**Acute Inpatient:**

**VSAC link:** [CMS165v12](https://ecqi.healthit.gov/ecqm/ec/2024/cms0165v12?qt-tabs_measure=measure-information)

**Base Code Set:** [acute\_inpatient\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/acute_inpatient_01_base.txt)

**Base Code Set as pdf:** [acute\_inpatient\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/acute_inpatient_01_base.pdf)

**Base Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [acute\_inpatient\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/acute_inpatient_01.txt)

**Reference Code Set as pdf:** [acute\_inpatient\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/acute_inpatient_01.pdf)

**Outpatient:**

**VSAC link:** [CMS165v12](https://ecqi.healthit.gov/ecqm/ec/2024/cms0165v12?qt-tabs_measure=measure-information)

**Base Code Set:** [outpatient\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/outpatient_01_base.txt)

**Base Code Set as pdf:** [outpatient\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/outpatient_01_base.pdf)

**Reference Code Set Source:** [CMS122v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS122v12)

**Reference Code Set Vocabulary:** SNOMED/ICD10CM

**Reference Code Set:** [outpatient\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/outpatient_01.txt)

**Reference Code Set as pdf:** [outpatient\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/diabetes_hba1c_cvr_04/outpatient_01.pdf)