**Health Dimension: Blood Pressure Control**

**PHX Label:** Blood Pressure Control

**PHX FeatureId:** CVR\_02  
**PHX Feature Type:** Health Dimension  
**PHX Description:** patients with hypertension and controlled BP  
**PHX Full Description:** Percent of patient with hypertension with controlled BP

**Version:** v1.0  
**Created:** 01/13/2025  
  
**Source:** CMS   
**Source Title:** Controlling High Blood Pressure  
**Source Reference Id:**

**Source Specification Link (if applicable):** <https://ecqi.healthit.gov/sites/default/files/ecqm/measures/CMS165v12.html>

Reference Value Sets: [CMS165v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=CMS165v12)

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

**Essential Hypertension:**

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

**Base Code Set:** [essential\_hypertension\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/essential_hypertension_01_base.txt)

**Base Code Set as pdf:** [essential\_hypertension\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/essential_hypertension_01_base.pdf)

**Reference Code Set Source:** [CMS165v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** [essential\_hypertension\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/essential_hypertension_01.txt)

**Reference Code Set as pdf:** [essential\_hypertension\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/essential_hypertension_01.pdf)

**Pregnancy:**

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

**Base Code Set:** [pregnancy\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/pregnancy_01_base.txt)

**Base Code Set as pdf:** [pregnancy\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/pregnancy_01_base.pdf)

**Reference Code Set Source:** [CMS165v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** [pregnancy\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/pregnancy_01.txt)

**Reference Code Set as pdf:** [pregnancy\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/pregnancy_01.pdf)

**End Stage Renal Disease:**

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

**Base Code Set:** [end\_stage\_renal\_disease\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/end_stage_renal_disease_01_base.txt)

**Base Code Set as pdf:** [end\_stage\_renal\_disease\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/end_stage_renal_disease_01_base.pdf)

**Reference Code Set Source:** [CMS165v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** [end\_stage\_renal\_disease\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/end_stage_renal_disease_01.txt)

**Reference Code Set as pdf:** [end\_stage\_renal\_disease\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/end_stage_renal_disease_01.pdf)

**Dialysis Services:**

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

**Base Code Set:** [dialysis\_services\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/dialysis_services_01_base.txt)

**Base Code Set as pdf:** [dialysis\_services\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/dialysis_services_01_base.pdf)

**Base Code Set Source:** [CMS165v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** [dialysis\_services\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/dialysis_services_01.txt)

**Reference Code Set as pdf:** [dialysis\_services\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/dialysis_services_01.pdf)

**Kidney Transplant:**

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

**Base Code Set:** [kidney\_transplant\_01\_base.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/kidney_transplant_01_base.txt)

**Base Code Set as pdf:** [kidney\_transplant\_01\_base.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/kidney_transplant_01_base.pdf)

**Reference Code Set Source:** [CMS165v12](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** [kidney\_transplant\_01.txt](https://github.com/PHXplorer/PHX/blob/main/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/kidney_transplant_01.txt)

**Reference Code Set as pdf:** [kidney\_transplant\_01.pdf](https://phxplorer.github.io/PHX/health_dimensions/health%20condition%20-%20medical/htn_blood_pressure_cvr_03/kidney_transplant_01_base.pdf)

**Advance Illness (SNOMED/ICD10CM):**

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

**Base Code Set:** advance\_illness\_01\_base.txt

**Reference Code Set Source:** [**CMS165v12**](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** advance\_illness\_01.txt

**Frailty (SNOMED/ICD10CM):**

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

**Base Code Set:** frailty\_diagnosis\_01\_base.txt

**Reference Code Set Source:** [**CMS165v12**](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** frailty\_diagnosis\_01.txt

**Hospice (SNOMED/ICD10CM):**

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

**Base Code Set:** hospice\_diagnosis\_01\_base.txt

**Reference Code Set Source:** [**CMS165v12**](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** hospice\_diagnosis\_01.txt

**Palliative Care (SNOMED/ICD10CM):**

**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

**Reference Code Set Source:** [**CMS165v12**](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** palliative\_care\_diagnosis\_01.txt

**Dementia Medications (SNOMED/ICD10CM):**

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

**Base Code Set:** dementia\_medications\_01\_base.txt

**Reference Code Set Source:** [**CMS165v12**](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** dementia\_medication\_01.txt

**Acute Inpatient (SNOMED/CPT4):**

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

**Base Code Set:** acute\_inpatient\_01\_base.txt

**Reference Code Set Source:** [**CMS165v12**](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** acute\_inpatient\_01.txt

**Outpatient (SNOMED/CPT4):**

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

**Base Code Set:** outpatient\_01\_base.txt

**Reference Code Set Source:** [**CMS165v12**](https://vsac.nlm.nih.gov/valueset/expansions?pr=ecqm&rel=eCQM%20Update%202023-05-04&q=cms165v12)

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

**Reference Code Set:** outpatient\_01.txt

**ETL SQL Script(s):**

MS SQL Server: