Controlling High Blood Pressure (NQF 0018)

EMeasure Name	Controlling High Blood Pressure	EMeasure Id	Pending
Version Number	1	Set Id	Pending
Available Date	No information	Measurement Period	January 1, 20xx through December 31, 20xx
Measure Steward	National Committee for Quality Assurance		
Endorsed by	National Quality Forum		
Description	The percentage of patients 18-85 years of age who had a diagnosis of hypertension and whose BP was adequately controlled during the measurement year.		
Measure scoring	Proportion		
Measure type	Process		
Rationale	This measure assesses the percentage of patients demonstrating adequate control of systolic and diastolic blood pressure levels. Over 50 million Americans warrant treatment for high blood pressure, according to the NHANES survey (JNC-7 2003). Financially, hypertension and associated disorders and heath complications, such as coronary heart disease and congestive heart failure, cost the U.S. economy more than $100 billion each year. The United States Preventive Services Task Force (USPSTF) recommends that clinicians screen adults 18 and older for high blood pressure (2007). This guideline is further endorsed by research studies and clinical trials that have demonstrated decline in costly health outcomes as a direct result of improved blood pressure control. This measure is important in efforts to promote blood pressure control and improve quality of life.		
Clinical Recommendation Statement	The U.S. Preventive Services Task Force (USPSTF) recommends screening for high blood pressure in adults age 18 years and older. This is a grade A recommendation JNC-7: Treating SBP and DBP to targets that are <140/90 mmHg is associated with a decrease in CVD complications.		
Improvement notation	Higher score indicates better quality		
Measurement duration	12 months		
Reference	U.S. Preventive Services Task Force. Screening for high blood pressure: U.S. Preventive Services Task Force reaffirmation recommendation statement. Ann Intern Med 2007 Dec 4;147(11):783-6. Prevention, Detection, Evaluation, and Treatment of High Blood Pressure The Seventh Report of the Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure. NIH Publication No. 035233 December 2003.		
Definition			

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- Summary calculation

Please refer to the spreadsheet for this measure for detail regarding data criteria and code lists.

Population criteria

- **Initial Patient Population** =

  - o AND: "Patient characteristic: birth date" (age) >=17 and <=84 years to capture all patients who will reach the ages between 18 and 85 years during the "measurement period";

- **Denominator** =

  - o AND: All patients in the initial patient population;
  - o AND: "Diagnosis active: hypertension" <= 6 months after "measurement start date";
  - o AND: "Encounter: encounter outpatient";
  - o AND NOT:
    - ▪ OR: "Procedure performed: procedures indicative of ESRD";
    - ▪ OR: "Diagnosis active: pregnancy";
    - ▪ OR: "Diagnosis active: ESRD";

- **Numerator** =

  - o AND: MINIMUM "Physical exam finding: diastolic blood pressure" < 90 mmHg during MOST RECENT "Encounter: encounter outpatient";
  - o AND: MINIMUM "Physical exam finding: systolic blood pressure" <140 mmHg during MOST RECENT "Encounter: encounter outpatient";

- **Exclusions** =

  - o None;

Data criteria (QDS Data Elements)

- **Initial Patient Population** =

  - o "Patient characteristic: birth date" using "birth date code list" before the beginning of the "measurement period";

- **Denominator** =

  - o "Diagnosis active: hypertension" using "hypertension code list grouping" during the "measurement period";
  - o "Encounter: encounter outpatient" using "encounter outpatient code list grouping" during the "measurement period";
  - o "Procedure performed: procedures indicative of ESRD" using "procedures indicative of ESRD code list grouping" during the "measurement period";
  - o "Diagnosis active: ESRD" using "ESRD code list grouping" during the "measurement period";
  - o "Diagnosis active: pregnancy" using "pregnancy code list grouping" during the "measurement period";

- **Numerator** =

    o "Physical exam finding: diastolic blood pressure" using "diastolic blood pressure code list" during "measurement period";
    o "Physical exam finding: systolic blood pressure" using "systolic blood pressure code list" during "measurement period";

- **Exclusions**=

    o None;

Summary calculation

Calculation is generic to all measures:
- Calculate the final denominator by adding all that meet denominator criteria.
- Subtract from the final denominator all that do not meet numerator criteria yet also meet exclusion criteria. Note some measures do not have exclusion criteria.
- The performance calculation is the number meeting numerator criteria divided by the final denominator.
- For measures with multiple patient populations, repeat this process for each patient population and report each result separately.
- For measures with multiple numerators, calculate each numerator separately within each population using the paired exclusion.

Measure set	CLINICAL QUALITY MEASURE SET 2011-2012