

Quality ID #236: Controlling High Blood Pressure

2025 COLLECTION TYPE:

MIPS CLINICAL QUALITY MEASURES (CQMS)

MEASURE TYPE:

Intermediate Outcome – High Priority

DESCRIPTION:

Percentage of patients 18-85 years of age who had a diagnosis of essential hypertension starting before and continuing into, or starting during the first six months of the measurement period, and whose most recent blood pressure was adequately controlled (< 140/90mmHg) during the measurement period.

INSTRUCTIONS:

This measure is to be submitted a minimum of **once per performance period** for patients with hypertension seen during the performance period. The performance period for this measure is 12 months. The most recent quality code submitted will be used for performance calculation. This measure may be submitted by Merit-based Incentive Payment System (MIPS) eligible clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

NOTE: *In reference to the numerator element, only blood pressure readings performed by a clinician or an automated blood pressure monitor or device are acceptable for numerator compliance with this measure. This includes blood pressures taken in person by a clinician and blood pressures measured remotely by electronic monitoring devices capable of transmitting the blood pressure data to the clinician. Blood pressure readings taken by an automated blood pressure monitor or device and conveyed by the patient to the clinician are also acceptable. It is the clinician's responsibility and discretion to confirm automated blood pressure monitor or device used to obtain the blood pressure is considered acceptable and reliable and whether the blood pressure reading is considered accurate before documenting it in the patient's medical record.*

Do not include BP readings:

1) Taken during an acute inpatient stay or an ED visit

2) Taken on the same day as a diagnostic test or diagnostic or therapeutic procedure that requires a change in diet or change in medication on or one day before the day of the test or procedure, with the exception of fasting blood tests. BP readings taken on the same day that the member receives a common low-intensity or preventive procedure **are** eligible for use. For example, the following procedures are considered common low intensity or preventive (this list is just for reference, and is not exhaustive):

- Vaccinations.
- Injections (e.g., allergy, vitamin B-12, insulin, steroid, toradol, Depo-Provera, testosterone, lidocaine).
- TB test.
- IUD insertion.
- Eye exam with dilating agents.
- Wart or mole removal.

3) Taken by the patient using a non-digital device such as with a manual blood pressure cuff and a stethoscope.

If no blood pressure is recorded during the measurement period, the patient's blood pressure is assumed "not controlled."

If there are multiple blood pressure readings on the same day, use the lowest systolic and the lowest diastolic reading as the most recent blood pressure reading. Ranges and thresholds do not meet criteria for this measure. A distinct numeric result for both the systolic and diastolic BP reading is required for numerator compliance.

NOTE: Patient encounters for this measure conducted via telehealth (including but not limited to encounters coded with GQ, GT, POS 02, POS 10) are allowable. Please note that effective January 1, 2025, while a measure may be denoted as

telehealth eligible, specific denominator codes within the encounter may no longer be eligible due to changes outlined in the CY 2024 PFS Final Rule List of Medicare Telehealth Services.

Measure Submission Type:

Measure data may be submitted by individual MIPS eligible clinicians, groups, or third-party intermediaries. The listed denominator criteria are used to identify the intended patient population. The numerator options included in this specification are used to submit the quality actions as allowed by the measure. The quality data codes listed do not need to be submitted by MIPS eligible clinicians, groups, or third-party intermediaries that utilize this modality for submissions; however, these codes may be submitted for those third-party intermediaries that utilize Medicare Part B claims data. For more information regarding Application Programming Interface (API), please refer to the Quality Payment Program (QPP) website.

The intent of the exclusion for individuals age 65 and older residing in long-term care facilities, including nursing homes, is to exclude individuals who may have limited life expectancy and increased frailty where the benefit of the process may not exceed the risks. This exclusion is not intended as a clinical recommendation regarding whether the measures process is inappropriate for specific populations, instead the exclusions allows clinicians to engage in shared decision making with patients about the benefits and risks of screening when an individual has limited life expectancy.

DENOMINATOR:

Patients 18-85 years of age who had a visit during the measurement period and diagnosis of essential hypertension starting before and continuing into, or starting during the first six months of the measurement period

DENOMINATOR NOTE: *The diagnosis of essential hypertension must be present some time between 1 year prior to the measurement period and the first six months of the measurement period (January 1, 2024 - June 30, 2025).*

To assess the age for exclusions, the patient's age on the date of the encounter should be used.

**Signifies that this CPT Category I code is a non-covered service under the Medicare Part B Physician Fee Schedule (PFS). These non-covered services should be counted in the denominator population for MIPS QCMs.*

Denominator Criteria (Eligible Cases):

Patients 18 to 85 years of age on date of encounter

AND

Diagnosis for hypertension (ICD-10-CM): I10

AND

Patient encounter during performance period (CPT or HCPCS): 98000, 98001, 98002, 98003, 98004, 98005, 98006, 98007, 98008, 98009, 98010, 98011, 98012, 98013, 98014, 98015, 98016, 98980, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215, 99341, 99342, 99344, 99345, 99347, 99348, 99349, 99350, 99385*, 99386*, 99387*, 99395*, 99396*, 99397*, 99421, 99422, 99423, 99457, G0402, G0438, G0439, G2250, G2251, G2252

AND NOT

DENOMINATOR EXCLUSIONS:

Hospice services given to patient any time during the measurement period: G9740

OR

Palliative care services given to patient any time during the measurement period: G0031

OR

Documentation of end stage renal disease (ESRD), dialysis, renal transplant before or during the measurement period or pregnancy during the measurement period: G9231

OR

Patients age 66 or older in Institutional Special Needs Plans (SNP) or residing in long-term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the measurement period: G9910

OR

Patients 66 - 80 years of age with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period: G2115

OR

Patients 66 - 80 years of age with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period: G2116

OR

Patients 81 years of age and older with at least one claim/encounter for frailty during the measurement period: G2118

Table: Dementia Exclusion Medications

Description	Prescription
Cholinesterase inhibitors	Donepezil Rivastigmine Galantamine
Miscellaneous central nervous system agents	Memantine
Dementia combinations	Donepezil-memantine

- **Codes to identify Frailty:** 99504, 99509, E0100, E0105, E0130, E0135, E0140, E0141, E0143, E0144, E0147, E0148, E0149, E0163, E0165, E0167, E0168, E0170, E0171, E0250, E0251, E0255, E0256, E0260, E0261, E0265, E0266, E0270, E0290, E0291, E0292, E0293, E0294, E0295, E0296, E0297, E0301, E0302, E0303, E0304, E0424, E0425, E0430, E0431, E0433, E0434, E0435, E0439, E0440, E0441, E0442, E0443, E0444, E0462, E0465, E0466, E0470, E0471, E0472, E0561, E0562, E1130, E1140, E1150, E1160, E1161, E1240, E1250, E1260, E1270, E1280, E1285, E1290, E1295, E1296, E1297, E1298, G0162, G0299, G0300, G0493, G0494, S0271, S0311, S9123, S9124, T1000, T1001, T1002, T1003, T1004, T1005, T1019, T1020, T1021, T1022, T1030, T1031, L89.000, L89.001, L89.002, L89.003, L89.004, L89.006, L89.009, L89.010, L89.011, L89.012, L89.013, L89.014, L89.016, L89.019, L89.020, L89.021, L89.022, L89.023, L89.024, L89.026, L89.029, L89.100, L89.101, L89.102, L89.103, L89.104, L89.106, L89.109, L89.110, L89.111, L89.112, L89.113, L89.114, L89.116, L89.119, L89.120, L89.121, L89.122, L89.123, L89.124, L89.126, L89.129, L89.130, L89.131, L89.132, L89.133, L89.134, L89.136, L89.139, L89.140, L89.141, L89.142, L89.143, L89.144, L89.146, L89.149, L89.150, L89.151, L89.152, L89.153, L89.154, L89.156, L89.159, L89.200, L89.201, L89.202, L89.203, L89.204, L89.206, L89.209, L89.210, L89.211, L89.212, L89.213, L89.214, L89.216, L89.219, L89.220, L89.221, L89.222, L89.223, L89.224, L89.226, L89.229, L89.300, L89.301, L89.302, L89.303, L89.304, L89.306, L89.309, L89.310, L89.311, L89.312, L89.313, L89.314, L89.316, L89.319, L89.320, L89.321, L89.322, L89.323, L89.324, L89.326, L89.329, L89.40, L89.41, L89.42, L89.43, L89.44, L89.45, L89.46, L89.500, L89.501, L89.502, L89.503, L89.504, L89.506, L89.509, L89.510, L89.511, L89.512, L89.513, L89.514, L89.516, L89.519, L89.520, L89.521, L89.522, L89.523, L89.524, L89.526, L89.529, L89.600, L89.601, L89.602, L89.603, L89.604, L89.606, L89.609, L89.610, L89.611, L89.612, L89.613, L89.614, L89.616, L89.619, L89.620, L89.621, L89.622, L89.623, L89.624, L89.626, L89.629, L89.810, L89.811, L89.812, L89.813, L89.814, L89.816, L89.819, L89.890, L89.891, L89.892, L89.893, L89.894, L89.896, L89.899, L89.90, L89.91, L89.92, L89.93, L89.94, L89.95, L89.96, M62.50, M62.81, M62.84, R26.2, R26.89, R26.9, R53.1, R53.81, R54, R62.7, R63.4, R63.6, R64, W01.0XXA, W01.0XXD, W01.0XXS, W01.10XA, W01.10XD, W01.10XS, W01.110A, W01.110D, W01.110S, W01.111A, W01.111D, W01.111S, W01.118A, W01.118D, W01.118S, W01.119A, W01.119D, W01.119S, W01.190A, W01.190D, W01.190S, W01.198A, W01.198D, W01.198S, W06.XXXA, W06.XXXD, W06.XXXS, W07.XXXA, W07.XXXD, W07.XXXS, W08.XXXA, W08.XXXD, W08.XXXS, W10.0XXA, W10.0XXD, W10.0XXS, W10.1XXA, W10.1XXD, W10.1XXS, W10.2XXA, W10.2XXD, W10.2XXS, W10.8XXA, W10.8XXD, W10.8XXS, W10.9XXA, W10.9XXD, W10.9XXS, W18.00XA, W18.00XD, W18.00XS, W18.02XA, W18.02XD, W18.02XS, W18.09XA, W18.09XD, W18.09XS, W18.11XA, W18.11XD, W18.11XS, W18.12XA, W18.12XD, W18.12XS, W18.2XXA, W18.2XXD,

W18.2XXS, W18.30XA, W18.30XD, W18.30XS, W18.31XA, W18.31XD, W18.31XS, W18.39XA, W18.39XD, W18.39XS, W19.XXXA, W19.XXXD, W19.XXXS, Y92.199, Z59.3, Z73.6, Z74.01, Z74.09, Z74.1, Z74.2, Z74.3, Z74.8, Z74.9, Z91.81, Z99.11, Z99.3, Z99.81, Z99.89

- **Codes to identify Advanced Illness:** A81.00, A81.01, A81.09, C25.0, C25.1, C25.2, C25.3, C25.4, C25.7, C25.8, C25.9, C71.0, C71.1, C71.2, C71.3, C71.4, C71.5, C71.6, C71.7, C71.8, C71.9, C77.0, C77.1, C77.2, C77.3, C77.4, C77.5, C77.8, C77.9, C78.00, C78.01, C78.02, C78.1, C78.2, C78.30, C78.39, C78.4, C78.5, C78.6, C78.7, C78.80, C78.89, C79.00, C79.01, C79.02, C79.10, C79.11, C79.19, C79.2, C79.31, C79.32, C79.40, C79.49, C79.51, C79.52, C79.60, C79.61, C79.62, C79.70, C79.71, C79.72, C79.81, C79.82, C79.89, C79.9, C91.00, C91.02, C92.00, C92.02, C93.00, C93.02, C93.90, C93.92, C93.Z0, C93.Z2, C94.30, C94.32, F01.50, F01.511, F01.518, F01.52, F01.53, F01.54, F01.A0, F01.A11, F01.A18, F01.A2, F01.A3, F01.A4, F01.B0, F01.B11, F01.B18, F01.B2, F01.B3, F01.B4, F01.C0, F01.C11, F01.C18, F01.C2, F01.C3, F01.C4, F02.80, F02.811, F02.818, F02.82, F02.83, F02.84, F02.A0, F02.A11, F02.A18, F02.A2, F02.A3, F02.A4, F02.B0, F02.B11, F02.B18, F02.B2, F02.B3, F02.B4, F02.C0, F02.C11, F02.C18, F02.C2, F02.C3, F02.C4, F03.90, F03.911, F03.918, F03.92, F03.93, F03.94, F03.A0, F03.A11, F03.A18, F03.A2, F03.A3, F03.A4, F03.B0, F03.B11, F03.B18, F03.B2, F03.B3, F03.B4, F03.C0, F03.C11, F03.C18, F03.C2, F03.C3, F03.C4, F04, F10.27, F10.96, F10.97, G10, G12.21, , G20.A1, G20.A2, G20.B1, G20.B2, G20.C, G30.0, G30.1, G30.8, G30.9, G31.01, G31.09, G31.83, G35, I09.81, I11.0, I12.0, I13.0, I13.11, I13.2, I50.1, I50.20, I50.21, I50.22, I50.23, I50.30, I50.31, I50.32, I50.33, I50.40, I50.41, I50.42, I50.43, I50.810, I50.811, I50.812, I50.813, I50.814, I50.82, I50.83, I50.84, I50.89, I50.9, J43.0, J43.1, J43.2, J43.8, J43.9, J68.4, J84.10, J84.112, J84.170, J84.178, J96.10, J96.11, J96.12, J96.20, J96.21, J96.22, J96.90, J96.91, J96.92, J98.2, J98.3, K70.10, K70.11, K70.2, K70.30, K70.31, K70.40, K70.41, K70.9, K74.00, K74.01, K74.02, K74.1, K74.2, K74.4, K74.5, K74.60, K74.69, N18.5, N18.6

NUMERATOR:

Patients whose most recent blood pressure is adequately controlled (systolic blood pressure < 140 mmHg and diastolic blood pressure < 90 mmHg) during the measurement period

Numerator Instructions:

To describe both systolic and diastolic blood pressure values, **each must be submitted separately**. If there are multiple blood pressures on the same date of service, use the lowest systolic and lowest diastolic blood pressure on that date as the representative blood pressure.

NUMERATOR NOTE: In reference to the numerator element, only blood pressure readings performed by a clinician or an automated blood pressure monitor or device are acceptable for numerator compliance with this measure. This includes blood pressures taken in person by a clinician and blood pressures measured remotely by electronic monitoring devices capable of transmitting the blood pressure data to the clinician. Blood pressure readings taken by an automated blood pressure monitor or device and conveyed by the patient to the clinician are also acceptable. It is the clinician's responsibility and discretion to confirm the automated blood pressure monitor or device used to obtain the blood pressure is considered acceptable and reliable and whether the blood pressure reading is considered accurate before documenting it in the patient's medical record.

Do not include BP readings:

- 1) Taken during an acute inpatient stay or an ED visit
- 2) Taken on the same day as a diagnostic test or diagnostic or therapeutic procedure that requires a change in diet or change in medication on or one day before the day of the test or procedure, with the exception of fasting blood tests. BP readings taken on the same day that the member receives a common low-intensity or preventive procedure **are** eligible for use. For example, the following procedures are considered common low intensity or preventive (this list is just for reference, and is not exhaustive):

- Vaccinations.
- Injections (e.g., allergy, vitamin B-12, insulin, steroid, toradol, Depo-Provera, testosterone, lidocaine).
- TB test.
- IUD insertion.
- Eye exam with dilating agents.
- Wart or mole removal.

3) Taken by the patient using a non-digital device such as with a manual blood pressure cuff and a stethoscope.

If no blood pressure is recorded during the measurement period, the patient's blood pressure is assumed "not controlled."

If there are multiple blood pressure readings on the same day, use the lowest systolic and the lowest diastolic reading as the most recent blood pressure reading. Ranges and thresholds do not meet criteria for this measure. A distinct numeric result for both the systolic and diastolic BP reading is required for numerator compliance.

<u>Numerator Options:</u>	
<u>Performance Met:</u>	Most recent systolic blood pressure < 140 mmHg (G8752)
<u>OR</u>	
<u>Performance Not Met:</u>	Most recent systolic blood pressure ≥ 140 mmHg (G8753)
<u>AND</u>	
<u>Performance Met:</u>	Most recent diastolic blood pressure < 90 mmHg (G8754)
<u>OR</u>	
<u>Performance Not Met:</u>	Most recent diastolic blood pressure ≥ 90 mmHg (G8755)
<u>OR</u>	
<u>Performance Not Met:</u>	No documentation of blood pressure measurement, reason not given (G8756)

RATIONALE:

High blood pressure (HBP), also known as hypertension, is when the pressure in blood vessels is higher than normal (Centers for Disease Control and Prevention [CDC], 2023). The causes of hypertension are multiple and multifaceted and can be based on genetic predisposition, environmental risk factors, being overweight and obese, sodium intake, potassium intake, physical activity, and alcohol use. High blood pressure is common; according to the American Heart Association, between 2013-2016, approximately 121.5 million US adults ≥20 years of age had HBP and the prevalence of hypertension among US adults 65 and older was 77.0 percent (Virani et al, 2021). In an analysis of adults with hypertension in NHANES, the estimated age-adjusted proportion with controlled BP increased from 31.8 percent in 1999 to 53.8 percent in 2014. However, that proportion declined to 43.7 percent in 2017 to 2018 (Tsao et al., 2022).

HBP increases risks of heart disease and stroke which are two of the leading causes of death in the U.S (CDC, 2023). A person who has HBP is four times more likely to die from a stroke and three times more likely to die from heart disease (CDC, 2021). The National Center for Health Statistics reported that in 2020 there were over 670,000 deaths with HBP as a primary or contributing cause (CDC, 2022). Between 2009 and 2019 the number of deaths due to HBP rose by 65 percent (Tsao et al, 2022). Managing and treating HBP would reduce cardiovascular disease mortality for males and females by 30.4 percent and 38.0 percent, respectively (Patel et al., 2015). Age-adjusted death rates attributable to HBP in 2019 were more than twice as high in non-Hispanic Black males (56.7 percent) when compared to rates for non-Hispanic White males (25.7 percent) (Tsao et al., 2022).

HBP costs the U.S. approximately 131 billion dollars each year, averaged over 12 years from 2003 to 2014 (Kirkland et al., 2018). A study on cost-effectiveness on treating hypertension found that controlling HBP in patients with cardiovascular disease and systolic blood pressures of ≥ 160 mm Hg could be effective and cost-saving (Moran, 2015).

Many studies have shown that controlling high blood pressure reduces cardiovascular events and mortality. The Systolic Blood Pressure Intervention Trial (SPRINT) investigated the impact of obtaining a SBP goal of <120 mm Hg compared to a SBP goal of <140 mm Hg among patients 50 and older with established cardiovascular disease and found that the patients with the former goal had reduced cardiovascular events and mortality (SPRINT Research Group et al., 2015).

Controlling HBP will significantly reduce the risks of cardiovascular disease mortality and lead to better health outcomes like reduction of heart attacks, stroke, and kidney disease (James et al., 2014). Thus, the relationship between the measure (control of hypertension) and the long-term clinical outcomes listed is well established.

- Centers for Disease Control and Prevention. (2021). Team-based care for high blood pressure. Retrieved from <https://www.cdc.gov/digital-social-media-tools/cdctv/vitalsigns-high-blood-pressure/vital-signs-high-blood-pressure-transcript.html#:~:text=Of%20those%20with%20high%20blood,to%20die%20from%20heart%20disease.>
- Centers for Disease Control and Prevention, National Center for Health Statistics. About Multiple Cause of Death, 1999–2020. CDC WONDER Online Database website. Atlanta, GA: Centers for Disease Control and Prevention; 2022. Available from http://www.cdc.gov/nchs/data_access/Vitalstatsonline.htm#Mortality_Multiple
- Centers for Disease Control and Prevention. (2023). Facts about hypertension. Retrieved from [High Blood Pressure Facts | High Blood Pressure | CDC](#)
- James, P.A., Oparil, S., Carter, B.L., et al. (2014). 2014 Evidence-based guideline for the management of high blood pressure in adults: report from the panel members appointed to the Eighth Joint National Committee (JNC 8). JAMA. 2014 Feb 5;311(5):507-20. doi: 10.1001/jama.2013.284427. Erratum in: JAMA. 2014 May 7;311(17):1809. PMID: 24352797
- Kirkland, E. B., Heincelman, M., Bishu, K. G., Schumann, S. O., Schreiner, A., Axon, R. N., Mauldin, P. D., & Moran, W. P. (2018). Trends in Healthcare Expenditures Among US Adults With Hypertension: National Estimates, 2003–2014. Journal of the American Heart Association, 7(11), e008731. <https://doi.org/10.1161/JAHA.118.008731>
- Moran, A. E., Odden, M. C., Thanataveerat, A., et al. (2015). Cost-effectiveness of hypertension therapy according to 2014 guidelines. [published correction appears in N Engl J. Med. 2015;372:1677]. New England Journal of Medicine. 2015 ;372, 447-455. doi: 10.1056/NEJMSa1406751. [published correction appears on page 1677]
- Patel, S. A., Winkel, M., Ali, M. K., et al. (2015). Cardiovascular mortality associated with 5 leading risk factors: National and state preventable fractions estimated from survey data. Annals of Internal Medicine, 163(4), 245-253. doi: 10.7326/M14-1753
- SPRINT Research Group, Wright, J. T., Jr., Williamson, J. D., et al. (2015). A randomized trial of intensive versus standard blood-pressure control. New England Journal of Medicine, 373(22), 2103–2116.
- Tsao, C. W., Aday, A. W., Almarazooq, Z. I., Alonso, A., Beaton, A. Z., Bittencourt, M. S., Boehme, A. K., Buxton, A. E., Carson, A. P., Commodore-Mensah, Y., Elkind, M. S. V., Evenson, K. R., Eze-Nliam, C., Ferguson, J. F., Generoso, G., Ho, J. E., Kalani, R., Khan, S. S., Kissela, B. M., et al. (2022). Heart Disease and Stroke Statistics—2022 Update: A Report From the American Heart Association. Circulation, 145(8), e153–e639. <https://doi.org/10.1161/CIR.0000000000001052>
- Virani, S.S., Alonso, A., Aparicio, H.J., et al.; on behalf of the American Heart Association Council on Epidemiology and Prevention Statistics Committee and Stroke Statistics Subcommittee. (2021). Heart disease and stroke statistics—2021 update: a report from the American Heart Association. Circulation. 2021;143:e254–e743. doi: 10.1161/CIR.0000000000000950

CLINICAL RECOMMENDATION STATEMENTS:

U.S. Preventive Services Task Force (USPSTF) (2021):

-The USPSTF recommends screening for hypertension in adults 18 years or older with office blood pressure measurement (OBPM). The USPSTF recommends obtaining blood pressure measurements outside of the clinical setting for diagnostic confirmation before starting treatment. This is a grade A recommendation

American Academy of Family Physicians (2017):

- Treat adults who have hypertension to a standard blood pressure target (less than 140/90 mm Hg) to reduce the risk of all-cause and cardiovascular mortality (strong recommendation; high-quality evidence). Treating to a lower blood pressure target (less than 135/85 mm Hg) does not provide additional benefit at preventing mortality; however, a lower blood pressure target could be considered based on patient preferences and values. (Grade: strong recommendation, Quality of evidence: high)
- Consider treating adults who have hypertension to a lower blood pressure target (less than 135/85 mm Hg) to reduce risk of myocardial infarction (weak recommendation; moderate-quality evidence). Although treatment to a standard blood pressure target (less than 140/90 mm Hg) reduced the risk of myocardial infarction, there was a small additional benefit observed with a lower blood pressure target. There was no observed additional benefit in preventing stroke with the lower blood pressure target. (Grade: weak recommendation, Quality of evidence: low)

American Diabetes Association (2022):

- For individuals with diabetes and hypertension at higher cardiovascular risk (existing atherosclerotic cardiovascular disease or 10-year atherosclerotic cardiovascular disease risk $\geq 15\%$), blood pressure target of $<130/80$ mmHg may be appropriate, if it can be safely attained (Level of evidence: B).
- For individuals with diabetes and hypertension at lower risk for cardiovascular disease (10-year atherosclerotic cardiovascular disease risk $<15\%$), treat to a blood pressure target of $<140/90$ mmHg (Level of evidence: A)

- American Diabetes Association. (2022). 10. Cardiovascular disease and risk management: Standards of medical care in diabetes—2022. *Diabetes Care* 2022, 44(Suppl. 1), S144-S175.
<https://doi.org/10.2337/dc22-S010>
- Coles, S., Fisher, L., Lin, K. W., Lyon, C., Vosooney, A. A., & Bird, M. D. (2022). Blood Pressure Targets in Adults With Hypertension: A Clinical Practice Guideline From the AAFP. *American family physician*, 106(6). Retrieved from <https://www.aafp.org/pubs/afp/issues/2022/1200/practice-guidelines-aafp-hypertension-full-guideline.html>
- U.S. Preventive Services Task Force. Screening for hypertension in adults: U.S. Preventive Services Task Force reaffirmation recommendation statement. *JAMA*, 325(16), 1650. Retrieved from <https://www.uspreventiveservicestaskforce.org/uspstf/recommendation/hypertension-in-adults-screening>
- Whelton, P. K., Carey, R. M., Aronow, W. S., et al. (2017). Guideline for the prevention, detection, evaluation, and management of high blood pressure in adults: A report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. *Journal of the American College of Cardiology*. <https://doi.org/10.1161/HYP.0000000000000065>

COPYRIGHT:

This Physician Performance Measure (Measure) and related data specifications are owned and were developed by the National Committee for Quality Assurance (NCQA). NCQA is not responsible for any use of the Measure. NCQA makes no representations, warranties, or endorsement about the quality of any organization or physician that uses or reports performance measures and NCQA has no liability to anyone who relies on such measures or specifications. NCQA holds a copyright in the Measure.

The Measure can be reproduced and distributed, without modification, for noncommercial purposes (e.g., use by healthcare providers in connection with their practices) without obtaining approval from NCQA. Commercial use is defined as the sale, licensing, or distribution of the Measure for commercial gain, or incorporation of the Measure into a product or service that is sold, licensed or distributed for commercial gain. All commercial uses or requests for modification must be approved by NCQA and are subject to a license at the discretion of NCQA. © 2012-2024 National Committee for Quality Assurance. All Rights Reserved.

The performance Measure is not a clinical guideline and does not establish a standard of medical care, and has not been tested for all potential applications.

THE MEASURES AND SPECIFICATIONS ARE PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND.

Limited proprietary coding is contained in the Measure specifications for user convenience. Users of proprietary code sets

should obtain all necessary licenses from the owners of the code sets. NCQA disclaims all liability for use or accuracy of any third-party codes contained in the specifications.

CPT® codes, descriptions and other data are copyright 2024. American Medical Association. All rights reserved. CPT is a trademark of the American Medical Association. Fee schedules, relative value units, conversion factors and/or related components are not assigned by the AMA, are not part of CPT, and the AMA is not recommending their use. The AMA does not directly or indirectly practice medicine or dispense medical services. The AMA assumes no liability for data contained or not contained herein. Applicable FARS/DFARS restrictions apply to government use.

Some measure specifications contain coding from LOINC® (loinc.org). The LOINC table, LOINC codes, LOINC panels and form file, LOINC linguistic variants file, LOINC/RSNA Radiology Playbook, and LOINC/IEEE Medical Device Code Mapping Table are copyright 2004-2024 Regenstrief Institute, Inc. and the Logical Observation Identifiers Names and Codes (LOINC) Committee, and are available at no cost under the license at loinc.org/terms-of-use.

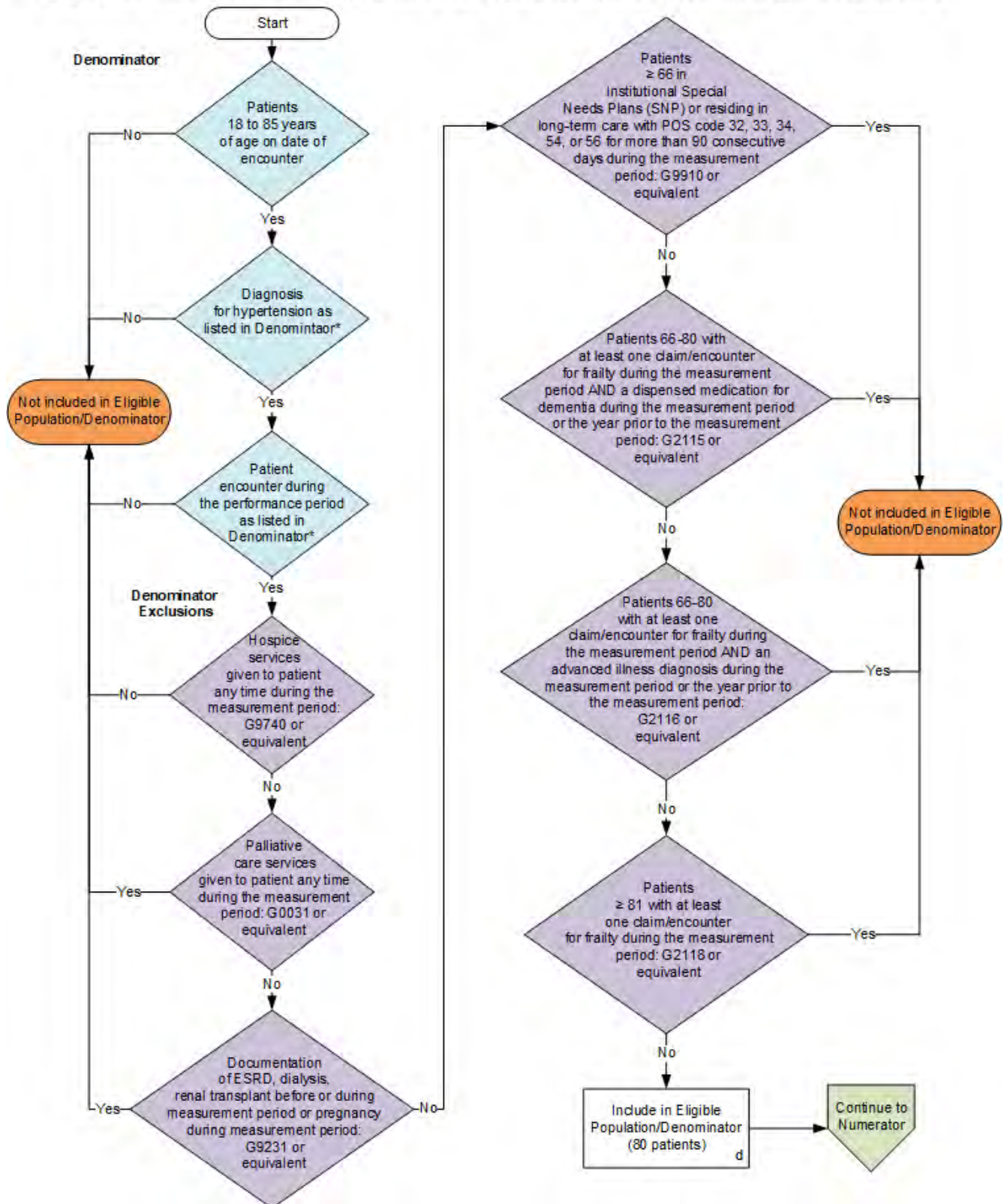
This material contains SNOMED Clinical Terms® (SNOMED CT®) copyright 2004-2024 International Health Terminology Standards Development Organisation.

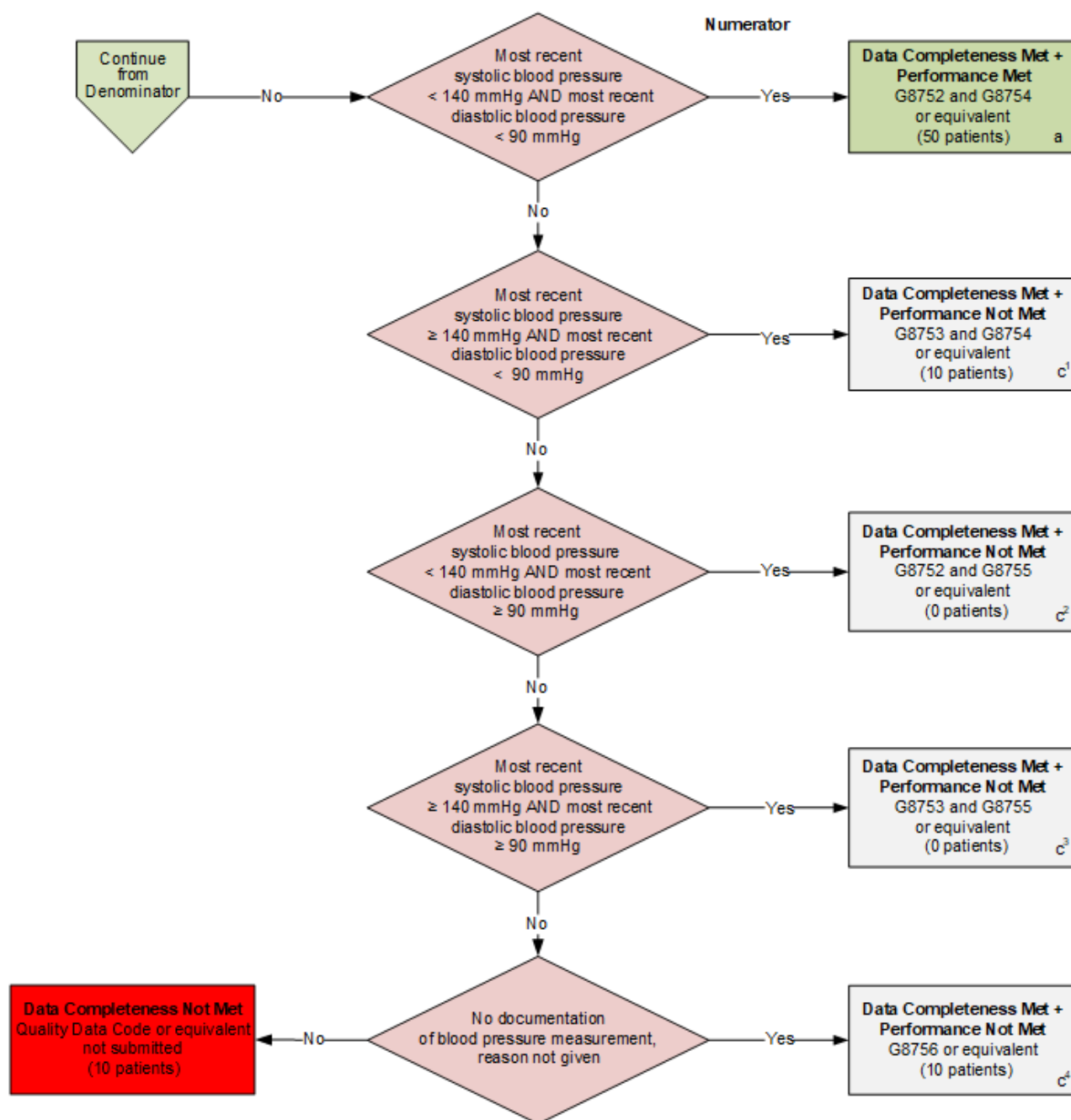
ICD-10 copyright 2024 World Health Organization. All Rights Reserved.

Some measures use RxNorm, a standardized nomenclature and coding for clinical drugs and drug delivery devices, which is made publicly available courtesy of the U.S. National Library of Medicine (NLM), National Institutes of Health, Department of Health and Human Services. NLM is not responsible for the measures and does not endorse or recommend this or any other product.

2025 Clinical Quality Measure Flow for Quality ID #236: Controlling High Blood Pressure

Disclaimer: Refer to the measure specification for specific coding and instructions to submit this measure.





SAMPLE CALCULATIONS

Data Completeness=

$$\frac{\text{Performance Met (a=50 patients) + Performance Not Met (c¹+c²+c³+c⁴=20 patients)}}{\text{Eligible Population / Denominator (d=80 patients)}} = \frac{70 \text{ patients}}{80 \text{ patients}} = 87.50\%$$

Performance Rate=

$$\frac{\text{Performance Met (a=50 patients)}}{\text{Data Completeness Numerator (70 patients)}} = \frac{50 \text{ patients}}{70 \text{ patients}} = 71.43\%$$

*See the posted measure specification for specific coding and instructions to submit this measure.

NOTE: Submission Frequency: Patient-Intermediate

CPT only copyright 2024 American Medical Association. All rights reserved.
 The measure diagrams were developed by CMS as a supplemental resource to be used in conjunction with the measure specifications. They should not be used alone or as a substitution for the measure specification.

v9

2025 Clinical Quality Measure Flow Narrative for Quality ID #236:
Controlling High Blood Pressure

Disclaimer: Refer to the measure specification for specific coding and instructions to submit this measure.

1. Start with Denominator
2. Check *Patients 18 to 85 years of age on date of encounter*:
 - a. If *Patients 18 to 85 years of age on date of encounter* equals No, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Patients 18 to 85 years of age on date of encounter* equals Yes, proceed to check *Diagnosis for hypertension as listed in Denominator**.
3. Check *Diagnosis for hypertension as listed in Denominator**:
 - a. If *Diagnosis for hypertension as listed in Denominator** equals No, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Diagnosis for hypertension as listed in Denominator** equals Yes, proceed to *Patient encounter during the performance period as listed in Denominator**.
4. Check *Patient encounter during the performance period as listed in Denominator**:
 - a. If *Patient encounter during the performance period as listed in Denominator** equals No, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Patient encounter during the performance period as listed in Denominator** equals Yes, proceed to check *Hospice services given to patient any time during the measurement period*.
5. Check *Hospice services given to patient any time during the measurement period*:
 - a. If *Hospice services given to patient any time during the measurement period* equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Hospice services given to patient any time during the measurement period* equals No, proceed to check *Palliative care services given to patient any time during the measurement period*.
6. Check *Palliative care services given to patient any time during the measurement period*:
 - a. If *Palliative care services given to patient any time during the measurement period* equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Palliative care services given to patient any time during the measurement period* equals No, proceed to check *Documentation of ESRD, dialysis, renal transplant before or during measurement period or pregnancy during measurement period*.
7. Check *Documentation of ESRD, dialysis, renal transplant before or during measurement period or pregnancy during measurement period*:
 - a. If *Documentation of ESRD, dialysis, renal transplant before or during measurement period or pregnancy during measurement period* equals Yes, do not include in *Eligible Population/Denominator*. Stop processing.
 - b. If *Documentation of ESRD, dialysis, renal transplant before or during measurement period or pregnancy during measurement period* equals No, proceed to check *Patients greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long-term care with POS code 32, 33, 34, 54, or 56 for more than 90*

consecutive days during the measurement period.

8. Check Patients greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long-term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the measurement period:
 - a. If Patients greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long-term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the measurement period equals Yes, do not include in Eligible Population/Denominator. Stop processing.
 - b. If Patients greater than or equal to 66 in Institutional Special Needs Plans (SNP) or residing in long-term care with POS code 32, 33, 34, 54, or 56 for more than 90 consecutive days during the measurement period equals No, proceed to check Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period.
9. Check Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period:
 - a. If Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period equals Yes, do not include in Eligible Population/Denominator. Stop processing.
 - b. If Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND a dispensed medication for dementia during the measurement period or the year prior to the measurement period equals No proceed to check Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period.
10. Check Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period:
 - a. If Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period equals Yes, do not include in Eligible Population/Denominator. Stop processing.
 - b. If Patients 66-80 with at least one claim/encounter for frailty during the measurement period AND an advanced illness diagnosis during the measurement period or the year prior to the measurement period equals No, proceed to check Patients greater than or equal to 81 with at least one claim/encounter for frailty during the measurement period
11. Check Patients greater than or equal to 81 with at least one claim/encounter for frailty during the measurement period:
 - a. If Patients greater than or equal to 81 with at least one claim/encounter for frailty during the measurement period equals Yes, do not include in Eligible Population/Denominator.
 - b. If Patients greater than or equal to 81 with at least one claim/encounter for frailty during the measurement period equals No, include in Eligible Population/Denominator.
12. Denominator Population:
 - a. Denominator Population is all Eligible Patients in the Denominator. Denominator is represented as Denominator in the Sample Calculation listed at the end of this document. Letter d equals 80 patients in the Sample Calculation.
13. Start Numerator

14. Check *Most recent systolic blood pressure less than 140 mmHg AND most recent diastolic blood pressure less than 90 mmHg*:
- If *Most recent systolic blood pressure less than 140 mmHg AND most recent diastolic blood pressure less than 90 mmHg* equals Yes, include in *Data Completeness Met and Performance Met*.
 - Data Completeness Met and Performance Met* letter is represented as Data Completeness and Performance Rate in the Sample Calculation listed at the end of this document. Letter a equals 50 patients in Sample Calculation.
 - If *Most recent systolic blood pressure less than 140 mmHg AND most recent diastolic blood pressure less than 90 mmHg* equals No, proceed to check *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure less than 90 mmHg*.
15. Check *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure less than 90 mmHg*:
- If *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure less than 90 mmHg* equals Yes, include in *Data Completeness Met and Performance Not Met*.
 - Data Completeness Met and Performance Not Met* letter is represented as Data Completeness in the Sample Calculation listed at the end of this document. Letter c¹ equals 10 patients in the Sample Calculation.
 - If *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure less than 90 mmHg* equals No, proceed to check *Most recent systolic blood pressure less than 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg*.
16. Check *Most recent systolic blood pressure less than 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg*:
- If *Most recent systolic blood pressure less than 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg* equals Yes, include in *Data Completeness Met and Performance Not Met*.
 - Data Completeness Met and Performance Not Met* letter is represented as Data Completeness in the Sample Calculation listed at the end of this document. Letter c² equals 0 patients in the Sample Calculation.
 - If *Most recent systolic blood pressure less than 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg* equals No, proceed to check *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg*.
17. Check *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg*:
- If *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg* equals Yes, include in *Data Completeness Met and Performance Not Met*.
 - Data Completeness Met and Performance Not Met* letter is represented as Data Completeness in the Sample Calculation listed at the end of this document. Letter c³ equals 0 patients in the Sample Calculation.
 - If *Most recent systolic blood pressure greater than or equal to 140 mmHg AND most recent diastolic blood pressure greater than or equal to 90 mmHg* equals No, proceed to check *No documentation of blood pressure measurement, reason not given*.

18. Check *No documentation of blood pressure measurement, reason not given*:

- a. If *No documentation of blood pressure measurement, reason not given* equals Yes, include in the *Data Completeness Met and Performance Not Met*.
 - *Data Completeness Met and Performance Not Met* letter is represented as Data Completeness in the Sample Calculation listed at the end of this document. Letter c⁴ equals 10 patients in the Sample Calculation.
- b. If *No documentation of blood pressure measurement, reason not given* equals No, proceed to *Data Completeness Not Met*.

19. Check *Data Completeness Not Met*:

- a. If *Data Completeness Not Met*, the Quality Data Code or equivalent was not submitted. 10 patients have been subtracted from the Data Completeness Numerator in the Sample Calculation.

Sample Calculations:

Data Completeness equals Performance Met (a equals 50 patients) plus Performance Not Met (c¹ plus c² plus c³ plus c⁴ equals 20 patients) divided by Eligible Population/Denominator (d equals 80 patients). All equals 70 patients divided by 80 patients. All equals 87.50 percent.

Performance Rate equals Performance Met (a equals 50 patients) divided by Data Completeness Numerator (70 patients). All equals 50 patients divided by 70 patients. All equals 71.43 percent.

*See the posted measure specification for specific coding and instructions to submit this measure.

NOTE: Submission Frequency: Patient-Intermediate

The measure diagrams were developed by CMS as a supplemental resource to be used in conjunction with the measure specifications. They should not be used alone or as a substitution for the measure specification.