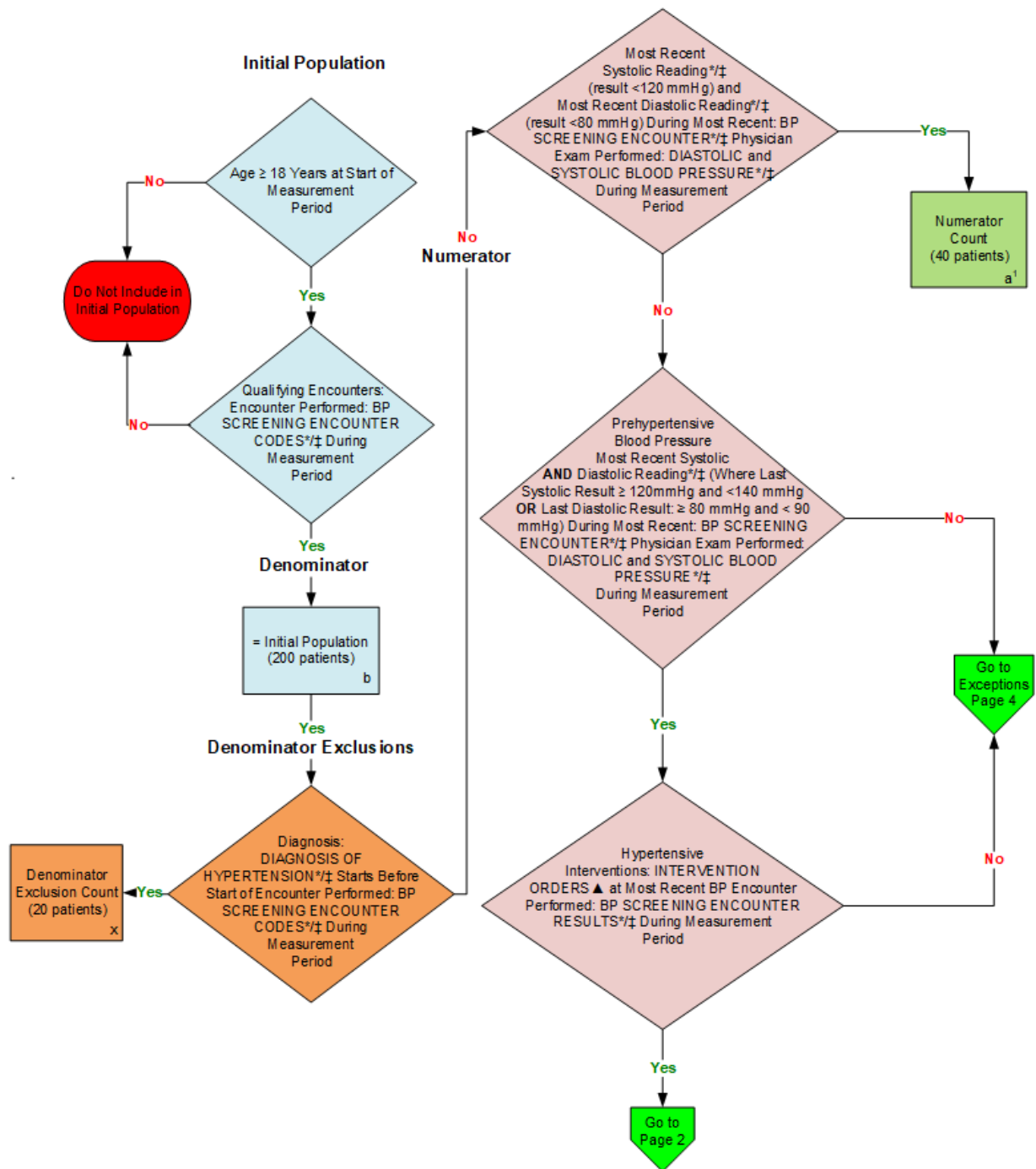


## 2019 eQCM Flow Measure Identifier: CMS22v7

Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented  
**DISCLAIMER:** Please Refer to the eQCM for a Complete Listing of Required Data Elements

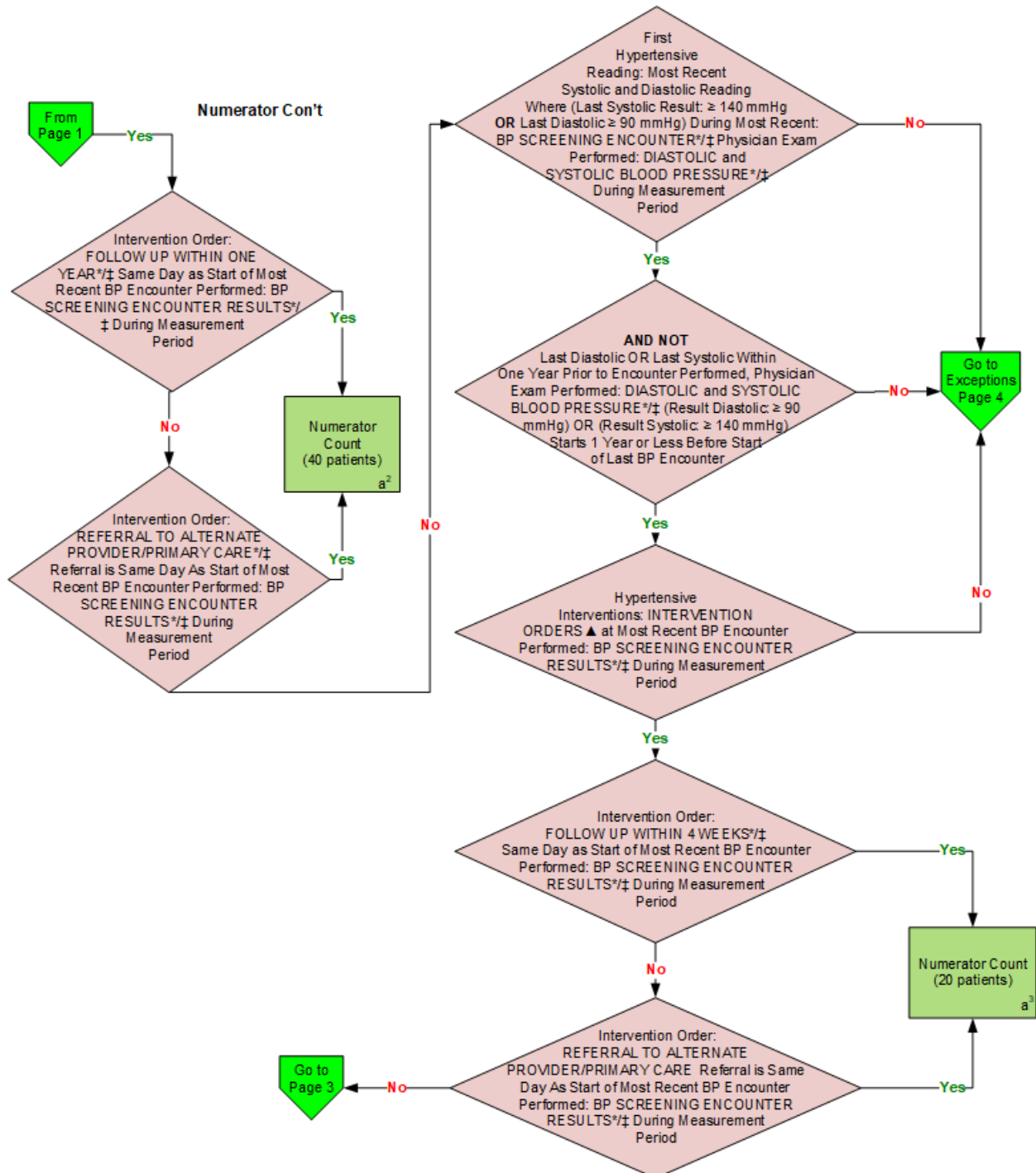


\*‡Please refer to the specific section of the eQCM to identify the associated value sets for use in submitting this eQCM. Please refer to the specific section of the eQCM to identify the Definition associated with Population Criteria.

▲For a listing of appropriate Interventions please refer to the Definition and associated value sets as specific data element names have not been listed.

**2019 eCQM Flow**  
**Measure Identifier: CMS22v7**

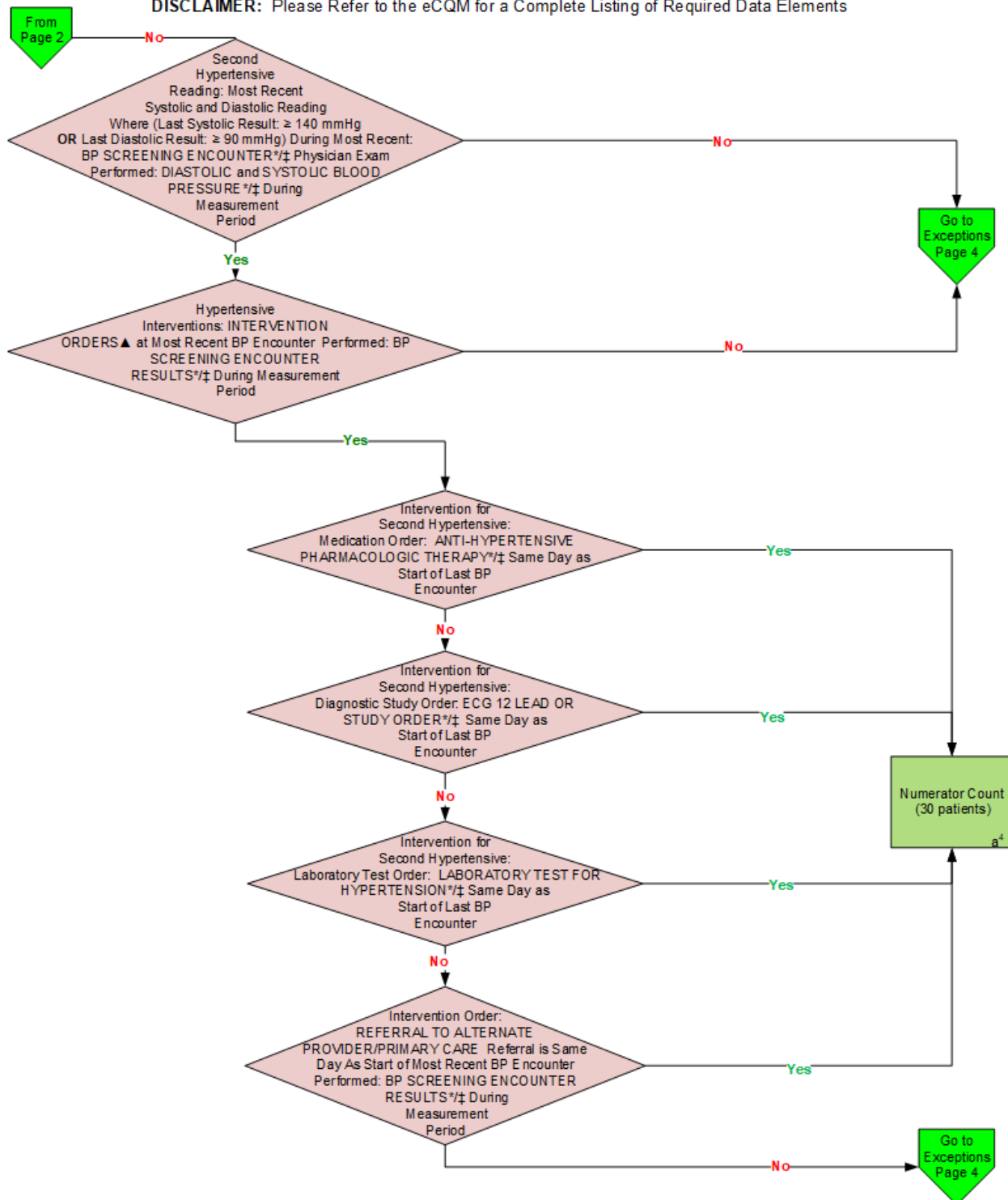
Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented  
**DISCLAIMER:** Please Refer to the eCQM for a Complete Listing of Required Data Elements



\*†Please refer to the specific section of the eCQM to identify the associated value sets for use in submitting this eCQM.  
 Please refer to the specific section of the eCQM to identify the Definition associated with Population Criteria.  
 ▲ For a listing of appropriate Interventions please refer to the Definition and associated value sets as specific data  
 element names have not been listed.

**2019 eCQM Flow**  
**Measure Identifier: CMS22v7**

Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented  
**DISCLAIMER:** Please Refer to the eCQM for a Complete Listing of Required Data Elements

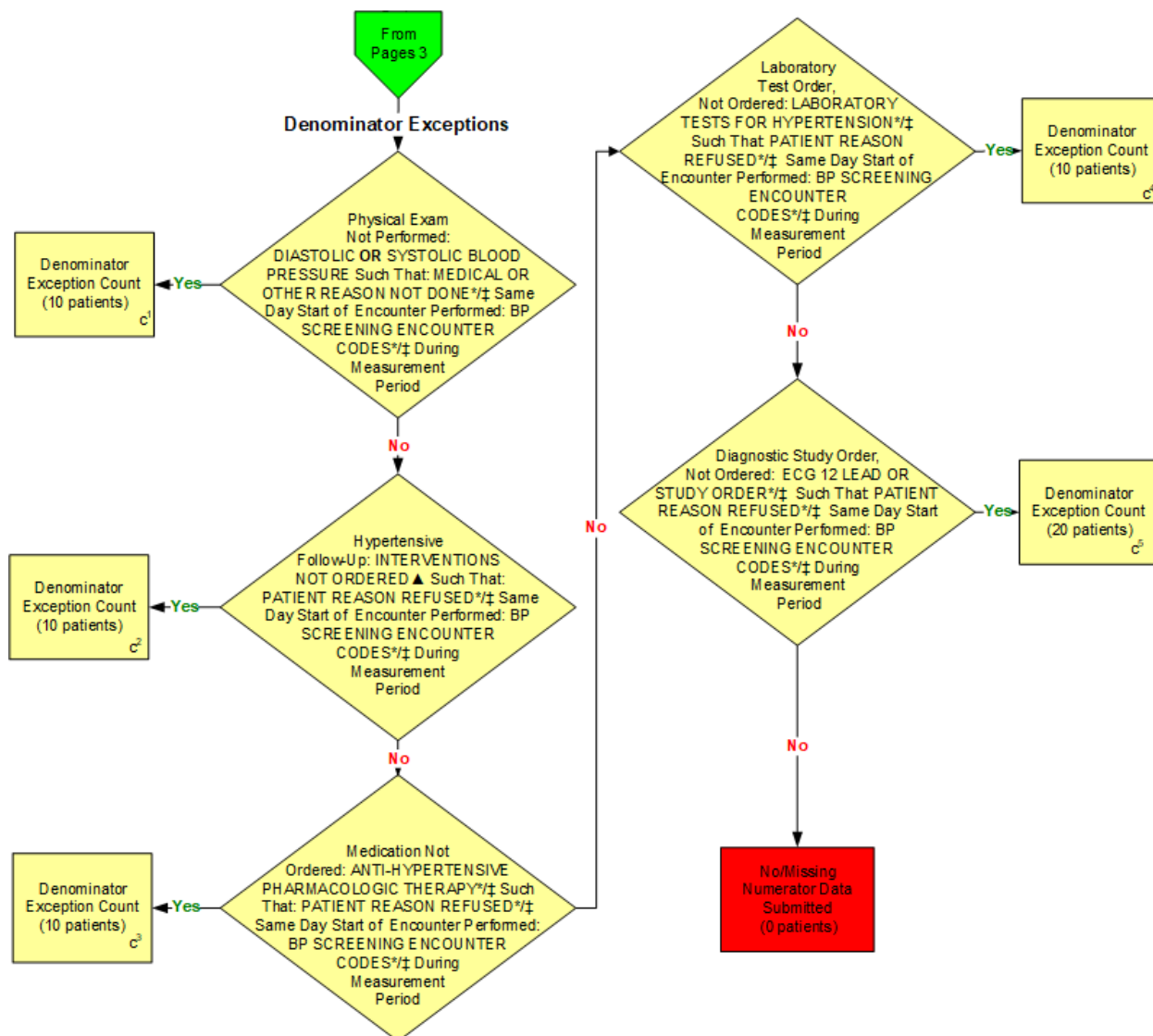


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## 2019 eCQM Flow Measure Identifier: CMS22v7

Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented  
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\*†Please refer to the specific section of the eCQM to identify the associated value sets for use in submitting this eCQM. Please refer to the specific section of the eCQM to identify the Definition associated with Population Criteria.

▲For a listing of appropriate Interventions please refer to the Definition and associated value sets as specific data element names have not been listed.

### SAMPLE CALCULATION:

**Performance Rate =**  

$$\frac{\text{Numerator } (a^1 + a^2 + a^3 + a^4 = 120 \text{ patients})}{\text{Denominator } (b = 200 \text{ patients}) - \text{Denominator Exclusions } (x = 20 \text{ patients}) - \text{Denominator Exceptions } (c^1 + c^2 + c^3 + c^4 + c^5 = 60 \text{ patients})} = 100.00\%$$

**2019 eCQM Flow**  
**Measure Identifier: CMS22v7**  
**Preventive Care and Screening: Screening for High Blood Pressure and Follow-Up Documented**

**DISCLAIMER:** Please Refer to the eCQM for a Complete Listing of Required Data Elements

1. Start Initial Population
2. Check AGE:
  - a. If the AGE is greater than or equal to 18 years at start of measurement period equals No, do not include in Initial Population. Stop Processing.
  - b. If the AGE is greater than or equal to 18 years at start of measurement period equals Yes, proceed to check Qualifying Encounters.
3. Check Qualifying Encounters: Encounter Performed:
  - a. If the Qualifying Encounters: Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals Yes, include in the Initial Population. Proceed to Denominator.
  - b. If the Qualifying Encounters: Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals No, do not include in the Initial Population. Stop Processing.
4. Start Denominator
  - a. Denominator equals the Initial Population. Denominator is represented by Letter b in the Sample Calculation listed at the end of this document. Letter b equals 200 patients in the Sample Calculation.
5. Start Denominator Exclusions
6. Check for Diagnosis: DIAGNOSIS OF HYPERTENSION:
  - a. If the Diagnosis: DIAGNOSIS OF HYPERTENSION starts before start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals Yes, include in Denominator Exclusion Count. Denominator Exclusion Count is represented by Letter x in the Sample Calculation listed at the end of this document. Letter x equals 20 patients in the Sample Calculation.
  - b. If the Diagnosis: DIAGNOSIS OF HYPERTENSION starts before start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals No, proceed to Numerator.
7. Start Numerator
8. Check Most Recent Systolic and Diastolic Reading:
  - a. If the Most Recent Systolic Reading (Result: less than 120mmHg) and Most Recent Diastolic Reading (Result: less than 80 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>1</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>1</sup> equals 40 patients in the Sample Calculation.
  - b. If the Most Recent Systolic Reading (Result: less than 120mmHg) and Most Recent Diastolic Reading (Result: less than 80 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals No, proceed to Prehypertensive Blood Pressure.

9. Check Prehypertensive Blood Pressure:

- a. If the Prehypertensive Blood Pressure Most Recent Systolic **AND** Diastolic Reading (Where Last Systolic Result: greater than or equal to 120mmHg and less than 140 mmHg **OR** Last Diastolic Result: greater than or equal to 80 mmHg and less than 90 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals Yes, proceed to Hypertensive Interventions.
- b. If the Prehypertensive Blood Pressure Most Recent Systolic **AND** Diastolic Reading (Where Last Systolic Result: greater than or equal to 120mmHg and less than 140 mmHg **OR** Last Diastolic Result: greater than or equal to 80 mmHg and less than 90 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals No, proceed to Denominator Exceptions.

10. Check Hypertensive Interventions: INTERVENTION ORDERS:

- a. If the Hypertensive Interventions: INTERVENTION ORDERS at Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals Yes, proceed to check Intervention Order.
- b. If the Hypertensive Interventions: INTERVENTION ORDERS at Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULT during measurement period equals No, proceed to Denominator Exceptions.

11. Check Intervention Order: FOLLOW-UP WITHIN ONE YEAR:

- a. If the Intervention Order: FOLLOW-UP WITHIN ONE YEAR same day as start of Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>2</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>2</sup> equals 40 patients in the Sample Calculation.
- b. If the Intervention Order: FOLLOW-UP WITHIN ONE YEAR same day as start of Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals No, proceed check Intervention Order.

12. Check Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE:

- a. If the Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE Referral is same day as start of Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>2</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>2</sup> equals 20 patients in the Sample Calculation.
- b. If the Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE Referral is same day as start of Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals No, proceed to First Hypertensive Reading.

13. Check First Hypertensive Reading:

- a. If First Hypertensive Reading: Most Recent Systolic and Diastolic Reading where (Last Systolic Result: greater than or equal to 140 mmHg **OR** Last Diastolic Results: greater than or equal to 90 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals Yes, proceed to **AND NOT** Last Diastolic OR Last Systolic.

- b. If First Hypertensive Reading: Most Recent Systolic and Diastolic Reading where (Last Systolic Result: greater than or equal to 140 mmHg **OR** Last Diastolic Results: greater than or equal to 90 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals No, proceed to Denominator Exceptions.
- 14. Check **AND NOT** Last Diastolic Or Last Systolic:
  - a. If **AND NOT** Last Diastolic or Last Systolic within one year prior to Encounter Performed, Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE (Result Diastolic: greater than or equal to 90 mmHg ) **OR** (Result Systolic: greater than or equal to 140 mmHg) starts 1 year or less before start of Last BP Encounter equals No, proceed Denominator Exceptions.
  - b. If **AND NOT** Last Diastolic or Last Systolic within one year prior to Encounter Performed, Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE (Result Diastolic: greater than or equal to 90 mmHg) **OR** (Result Systolic: greater than or equal to 140 mmHg) starts 1 year or less before start of Last BP Encounter equals Yes, proceed to Hypertensive Interventions.
- 15. Check Hypertensive Interventions: INTERVENTION ORDERS:
  - a. If the Hypertensive Interventions: INTERVENTION ORDERS at Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals No, proceed to Denominator Exceptions.
  - b. If the Hypertensive Interventions: INTERVENTION ORDERS at Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period Yes, proceed to Intervention Order.
- 16. Check Intervention Order: FOLLOW-UP WITHIN 4 WEEKS:
  - a. If the Intervention Order: FOLLOW-UP WITHIN 4 WEEKS same day as start of most recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals No, proceed to Intervention Order.
  - b. If the Intervention Order: FOLLOW-UP WITHIN 4 WEEKS same day as start of most recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>3</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>3</sup> equals 20 patients in the Sample Calculation.
- 17. Check Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE:
  - a. If the Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE Referral is same day as start of most recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>3</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>3</sup> equals 20 patients in the Sample Calculation.
  - b. If the Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE Referral is same day as start of most recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals No, proceed to Second Hypertensive Reading.
- 18. Check Second Hypertensive Reading:

- a. If the Second Hypertensive Reading: Most Recent Systolic and Diastolic Reading where (Last Systolic Result: greater than or equal to 140 mmHg **OR** Last Diastolic Result: greater than or equal to 90 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals Yes, proceed to Hypertensive Interventions.
  - b. If the Second Hypertensive Reading: Most Recent Systolic and Diastolic Reading where (Last Systolic Result: greater than or equal to 140 mmHg **OR** Last Diastolic Result: greater than or equal to 90 mmHg) during Most Recent: BP SCREENING ENCOUNTER Physician Exam Performed: DIASTOLIC and SYSTOLIC BLOOD PRESSURE during measurement period equals No, proceed to Denominator Exceptions.
19. Check Hypertensive Interventions: INTERVENTION ORDERS:
  - a. If the Hypertensive Interventions: INTERVENTION ORDERS at Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals No, proceed to Denominator Exceptions.
  - b. If the Hypertensive Interventions: INTERVENTION ORDERS at Most Recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals Yes, proceed to check Intervention for Second Hypertensive: Medication Order.
20. Check Intervention for Second Hypertensive: Medication Order:
  - a. If the Intervention for Second Hypertensive: Medication Order: ANTI-HYPERTENSIVE PHARMACOLOGIC THERAPY same day as start of last BP Encounter equals No, proceed to check Intervention for Second Hypertensive: Diagnostic Study Order.
  - b. If the Intervention for Second Hypertensive: Medication Order: ANTI-HYPERTENSIVE PHARMACOLOGIC THERAPY same day as start of last BP Encounter equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>4</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>4</sup> equals 30 patients in the Sample Calculation.
21. Check Intervention for Second Hypertensive: Diagnostic Study Order:
  - a. If the Intervention for Second Hypertensive: Diagnostic Study Order: ECG 12 LEAD OR STUDY ORDER, same day as start of last BP Encounter equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>4</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>4</sup> equals 30 patients in the Sample Calculation.
  - b. If the Intervention for Second Hypertensive: Diagnostic Study Order: ECG 12 LEAD OR STUDY ORDER, same day as start of last BP Encounter equals No, proceed to check Intervention for Second Hypertensive: Laboratory Test.
22. Check Intervention for Second Hypertensive: Laboratory Test Order:
  - a. If the Intervention for Second Hypertensive Laboratory Test Order: LABORATORY TEST FOR HYPERTENSION same day as start of last BP Encounter equals No, proceed to check Intervention Order: Referral.
  - b. If the Intervention for Second Hypertensive Laboratory Test Order: LABORATORY TEST FOR HYPERTENSION same day as start of last BP Encounter equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>4</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>4</sup> equals 30 patients in the Sample Calculation.
23. Check Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE:



- a. If the Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE referral is same day as start of most recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals No, proceed to Denominator Exceptions.
- b. If the Intervention Order: REFERRAL TO ALTERNATIVE PROVIDER/PRIMARY CARE referral is same day as start of most recent BP Encounter Performed: BP SCREENING ENCOUNTER RESULTS during measurement period equals Yes, include in Numerator Count. Numerator Count is represented by Letter a<sup>4</sup> in the Sample Calculation listed at the end of this document. Letter a<sup>4</sup> equals 30 patients in the Sample Calculation.

24. Start Denominator Exceptions

25. Check Physical Exam Not Performed:

- a. If the Physical Exam Not Performed: DIASTOLIC **OR** SYSTOLIC BLOOD PRESSURE such that MEDICAL OR OTHER REASON NOT DONE same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals Yes, include in Denominator Exception Count. Denominator Exception Count is represented by Letter c<sup>1</sup> in the sample calculation listed at the end of this document. Letter c<sup>1</sup> equals 10 patients in the Sample Calculation.
- b. If the Physical Exam Not Performed: DIASTOLIC **OR** SYSTOLIC BLOOD PRESSURE such that MEDICAL OR OTHER REASON NOT DONE same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals No, proceed to check Hypertensive Follow-Up: INTERVENTIONS NOT ORDERED.

Check Hypertensive Follow-Up: INTERVENTIONS NOT ORDERED:

- c. If the Hypertensive Follow-Up: INTERVENTIONS NOT ORDERED such that PATIENT REASON REFUSED same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals Yes, include in Denominator Exception Count. Denominator Exception Count is represented by letter c<sup>2</sup> in the Sample Calculation listed at the end of this document. Letter c<sup>2</sup> equals 10 patients in the Sample Calculation.
- d. If the Hypertensive Follow-Up: INTERVENTIONS NOT ORDERED such that PATIENT REASON REFUSED same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals No, proceed to check Medication Not Ordered.

26. Check Medication Not Ordered:

- a. If the Medication Not Ordered: ANTI-HYPERTENSIVE PHARMACOLOGIC THERAPY such that PATIENT REASON REFUSED same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals Yes, include in Denominator Exception Count. Denominator Exception Count is represented by letter c<sup>3</sup> in the Sample Calculation listed at the end of this document. Letter c<sup>3</sup> equals 10 patients in the Sample Calculation.
- b. If the Medication Not Ordered: ANTI-HYPERTENSIVE PHARMACOLOGIC THERAPY such that PATIENT REASON REFUSED same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals No, proceed to check Laboratory Test Order, Not Ordered.

27. Check Laboratory Test Order, Not Ordered:

- a. If the Laboratory Test Order, Not Ordered: LABORATORY TEST FOR HYPERTENSION such that PATIENT REASON REFUSED same day start of Encounter Performed, BP SCREENING ENCOUNTER CODES during measurement period equals Yes, include in Denominator Exception Count. Denominator Exception Count is represented by letter c<sup>4</sup> in the Sample Calculation listed at the end of this document. Letter c<sup>4</sup> equals 10 patients in the Sample Calculation.

- b. If the Laboratory Test Order, Not Ordered: LABORATORY TEST FOR HYPERTENSION such that PATIENT REASON REFUSED same day start of Encounter Performed, BP SCREENING ENCOUNTER CODES during measurement period equals No, proceed to check Diagnostic Study Order, Not Ordered.

28. Check Diagnostic Study Order, Not Ordered:

- a. If the Diagnostic Study Order, Not Ordered: ECG 12 LEAD OR STUDY ORDER such that PATIENT REASON REFUSED same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals Yes, include in Denominator Exception Count. Denominator Exception Count is represented by letter c<sup>5</sup> in the Sample Calculation listed at the end of this document. Letter c<sup>5</sup> equals 10 patients in the Sample Calculation.
- b. If the Diagnostic Study Order, Not Ordered: ECG 12 LEAD OR STUDY ORDER such that PATIENT REASON REFUSED same day start of Encounter Performed: BP SCREENING ENCOUNTER CODES during measurement period equals No, include in the No/Missing Data Submitted Count. Stop Processing.

**SAMPLE CALCULATION:**

**Performance Rate =**

$$\frac{\text{Numerator (a}^1 + \text{a}^2 + \text{a}^3 + \text{a}^4 = 120 \text{ patients)}}{\text{Denominator (b=200 patients) - Denominator Exclusions (x = 20 patients) - Denominator Exceptions (c}^1 + \text{c}^2 + \text{c}^3 + \text{c}^4 + \text{c}^5 = 60 \text{ patients)}} = 100.00\%$$