

# **SMBP** for Treatment Intensification

Ideally, obtain weekly BP readings beginning 2 weeks after a change in the treatment regimen and during the week before a clinic visit. Instruct the patient to take at least 2 readings 1 min apart in morning before taking medications and 2 readings 1 min apart in evening. Measure and record BP daily for 3-7 consecutive days.

## SMBP vs Office BP

For SMBP measurement interpretation, an average systolic and diastolic BP of 135/85 mm Hg is considered equivalent to 140/90 mm Hg in the office setting.

### Considerations

- Patient-specific factors, such as age, concurrent medications, drug adherence, drug interactions, the overall treatment regimen, out-of-pocket costs, and comorbidities, should be considered when choosing medication.
- For patients with average BP readings that are >20/10 above goal, it is recommended to begin treatment with 2 medications from 2 different classes
- Initiation of one antihypertensive medication is reasonable in older adults or those at risk or who have a history of hypotension or drugassociated side effects.

### For All Patients with HTN

- Conduct a comprehensive patient evaluation including a thorough physical examination and family and self history assessment.
- Assess the 10-year risk for heart disease and stroke using ASCVD calculator.
- Screen for secondary causes of HTN.
- Encourage healthy lifestyle habits.
- Assess adherence to antihypertensive medication.
- Obtain baseline and repeat labs and testing.
- Evaluate for interfering substances (medications, NSAIDs, alcohol, drugs).

# **Alternative Recommended Medications**

- Alternative to Lisinopril:
  - Enalapril
  - o Benazepril
  - Captopril
  - Fosinopril
  - o Quinapril
  - o Moexipril

- Alternative to Amlodipine
  - Nifedipine XL/ER
  - Diltiazem ER Caps
  - Verapamil ER caps (more \$ on 340b)
- Alternative to HCTZ or Chlorthalidone
  - Metolazone (more \$ on 340b)
  - Indapamide

- Alternative to Lisinopril-HCTZ
  - Benazepril-HCTZ

- Alternative to Losartan
  - Valsartan
  - Irbesartan
  - Olmesartan (covered by 340b but not MCOs)
  - o Telmisartan (covered by 340b but not MCOs)

- o Enalapril-HCTZ
- Alternative to Losartan-HCTZ
  - Valsartan-HCTZ
  - Irbesartan-HCTZ
  - Olmesartan-HCTZ (covered by 340b but not MCOs)
  - o Telmisartan-HCTZ (covered by 340b but not MCOs, more \$ on 340b)



#### Sources:

- Kaiser Permanente Care Management Institute. Adult Blood Pressure Clinician Guide. Clinical Practice Guidelines. Natl. February 2019. Adult Blood Pressure Clinician Guide (kpcmi.org)
- American Heart Association. National Hypertension Control Initiative. Act Rapidly Treatment Algorithm Workshop and Chart Review. July 26, 2022