

2025 Updates on Management of Hypertension in Adults

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1

Disclosures

• William L. Baker, Pharm.D., FCCP, FACC, FHFSA has no financial relationships with ineligible companies.

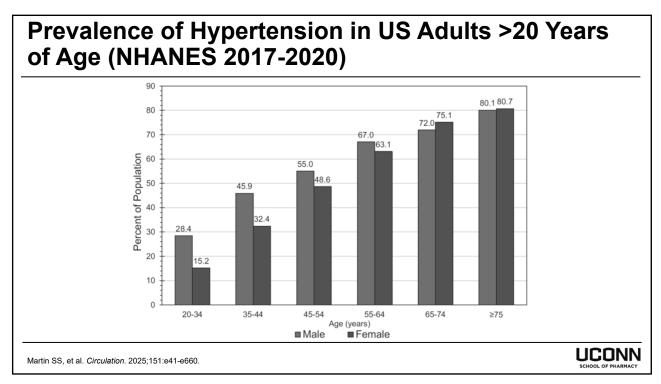


Learning Objectives

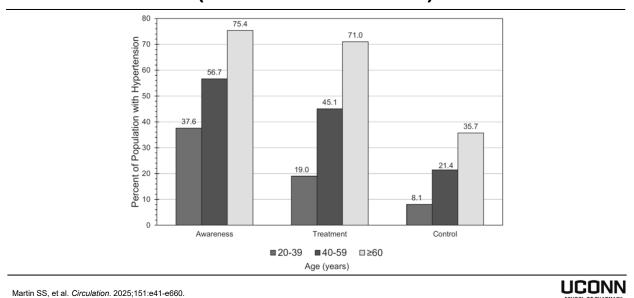
- 1) Review the 2025 hypertension guidelines
- 2) Compare the updated recommendations to the prior guidelines
- 3) Review the evidence for emerging antihypertensive drug therapies

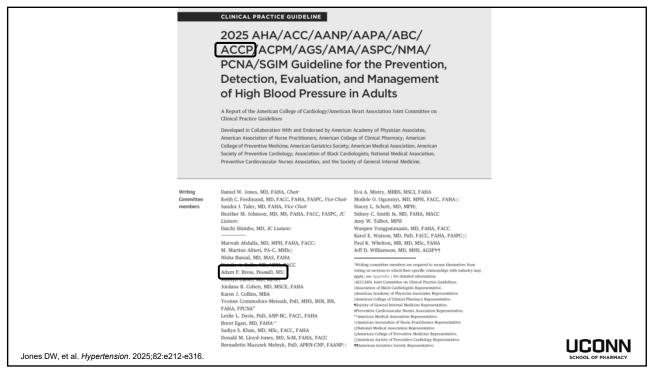
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3









Categories of BP in Adults

BP Category	SBP		DBP
Normal	< 120 mm Hg	and	<80 mm Hg
Elevated	120-129 mm Hg	and	<80 mm Hg
Hypertension			
Stage 1	130-139 mm Hg	or	80-89 mm Hg
Stage 2	≥ 140 mm Hg	or	≥ 90 mm Hg

Individuals with SBP and DBP in 2 categories should be designated to the higher BP category.

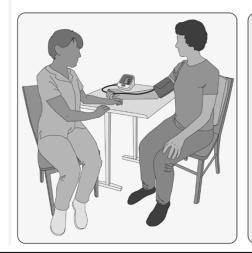
Based upon the average of 2 or more values on 2 or more visits.

Jones DW, et al. Hypertension. 2025;82:e212-e316.



7

Checklist for Accurate Measurement of BP



Office Blood Pressure Measurement

- The patient should avoid caffeine, exercise, and smoking for at least 30 minutes before measurement. Ensure the patient has emptied their bladder.
- 2. Use a blood pressure device that has been validated for accuracy (validatebp.org).
- 3. Use the correct cuff size on a bare arm.
- 4. The patient's arm should be supported at heart level.
- Have the patient relax, sitting in a chair (feet on floor, legs uncrossed, and back supported) for more than 5 minutes of rest.
- 6. Neither the patient nor the clinician should talk during the rest period or during the measurement. The patient should not be using their phone.
- Blood pressure measurement should be taken in a temperature-controlled room.
- 8. Take 2 or more blood pressure measurements at least 1 minute apart. Average the readings, and provide the patient their blood pressure readings both verbally and in writing.

Jones DW, et al. Hypertension. 2025;82:e212-e316.

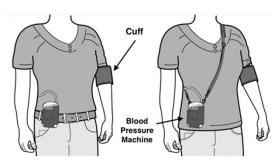
BP indicates blood pressure; DBP, diastolic blood pressure; and SBP, systolic blood pressure.



Recommendations for Out-Of-Office BP Screening

- HTN screening & management has historically relied on office BP measurements
- OOO measurements are recommended to confirm HTN diagnosis
 - Home blood pressure monitoring
 - If taken properly, can be helpful for longitudinal antihypertensive medication monitoring & titration
 - Ambulatory blood pressure monitoring
 - Recommended to confirm HTN diagnosis when it's suspected





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9

Home Blood Pressure Monitoring

Home Blood Pressure Monitoring



Device and blood pressure cuff
Use a blood pressure device that has been validated for accuracy. Check with your clinician or other members of your care team, and the following website for devices: www.validatebp.org.

Use the correct cuff size matched to the size of your arm.

Avoid smoking, caffeinated beverages, or exercise within 30 minutes before blood pressure measurements.

Positioning of patient and cuff

Place the cuff on a bare arm, and your arm should be supported at heart level. The bottom of the cuff should be placed directly above the bend of the elbow.

You should relax, and sit in a chair (feet on floor, legs uncrossed, and back supported)

Blood pressure measurement

While relaxing and measuring your blood pressure, please do not talk, use your phone

While relaxing and measuring your brood pressure, prease so that tall, use your proof or watch TV.

You should take 2 readings 1 min apart twice a day (for a total of 4 readings):

2 readings in the morning after emptying your bladder (urinating) and before taking your medication and eating; and 2 readings at bedtime before sleep.

Check blood pressure for 3 days (minimum) to 7 days (preferred) before your appointment or interaction with your clinician.

Document your daily blood pressure measurements in writing or electronically. Share your readings with the clinician taking care of you.

Jones DW, et al. Hypertension. 2025;82:e212-e316.



Cuffless BP Devices: AKA Smart Watches

- Guidelines: In adults, the use of cuffless BP devices is not recommended for the diagnosis or management of high BP
- Questions remain on their accuracy, performance, and appropriate implementation (e.g., require individual cuff calibration)



** Sept 9th, 2025, Apple announced new BP monitor feature which has been FDA cleared to screen for HTN (analyze BP over 30-day period & alert users if HTN) **



Jones DW, et al. *Hypertension*. 2025;82:e212-e316. Stergiou GS, et al. *J Hypertens*. 2022;40:1449-60.



11

Causes of Hypertension: Environmental, Behavioral, & Genetic

Dietary Intake Factors

- · Higher sodium intake
- Lower potassium intake
- Lower calcium/magnesium intake
- · Lower diet quality
- Alcohol intake

Nondietary Factors

- Genetic variants
- Overweight/obesity
- Lower physical activity/fitness
- Sleep disturbances (duration, quality, regularity, disordered breathing)
- Psychosocial stressors
- Air pollution

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Jones DW, et al. Hypertension. 2025;82:e212-e316.

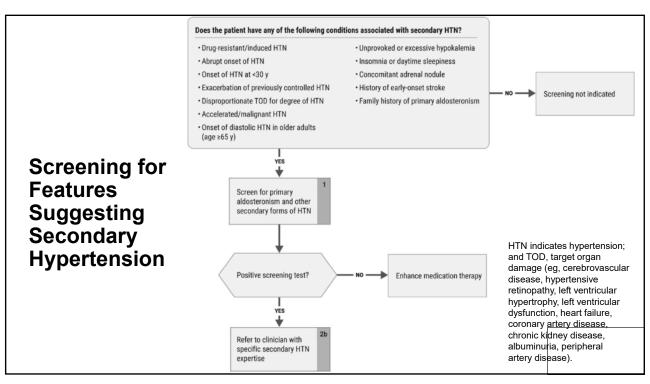
White-Coat & Masked Hypertension

- White-coat hypertension
 - · Normal out-of-office BP, high in-office BP
 - · BP readings often higher in the office
 - Patients anxious/nervous/annoyed/rushed
 - Readings not taken optimally
- Masked hypertension
 - · Normal in-office BP, high out-of-office BP
 - "Masked" because clinicians only see normal in-office readings
 - True hypertension isn't detected unless OOO readings collected

Jones DW, et al. Hypertension. 2025;82:e212-e316.



13



Secondary Forms of Hypertension

- Common Causes:
 - · Obstructive sleep apnea
 - Chronic kidney disease
 - Primary aldosteronism
 - · Drug/alcohol induced-
 - Renovascular hypertension
- Uncommon causes
 - Hypo/hyperthyroidism
 - Pheochromocytoma
 - · Cushings syndrome
 - Acromegaly

Nonprescription Drugs/Substances

- Alcohol
- Caffeine
- Decongestants (eg, phenylephrine, pseudoephedrine)
- Herbal supplements (eg, Ma Huang, ephedra, St. John's wort)
- Black licorice
- NSAIDs
- Recreational drugs (eg, cocaine, methamphetamine)

Prescription Drugs

- Amphetamines
- Antidepressants (eg, MAOIs, SNRIs, TCAs)
- Immunosuppressants (eg, cyclosporine, tacrolimus)
- · Oral contraceptives
- · Systemic corticosteroids
- · Angiogenesis inhibitors/tyrosine kinase inhibitors

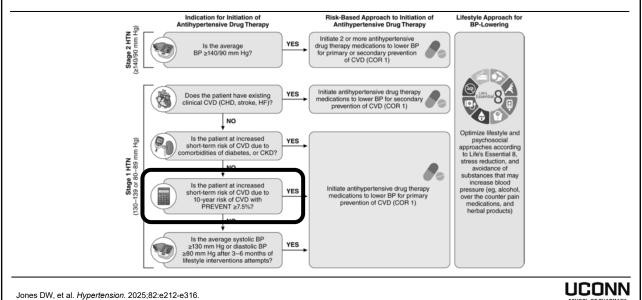
Jones DW, et al. Hypertension. 2025;82:e212-e316.

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15

Risk-Based Thresholds for Initiation of BP Treatment in Adults Indication for Initiation of Risk-Based Approach to Initiation of Antihypertensive Drug Therapy Lifestyle Approach for BP-Lowering Antihypertensive Drug Therapy Initiate 2 or more antihypertensive drug therapy medications to lower BP for primary or secondary prevention of CVD (COR 1) Is the average BP ≥140/90 mm Hg? Initiate antihypertensive drug therapy medications to lower BP for secondary prevention of CVD (COR 1) YES Does the patient have existing clinical CVD (CHD, stroke, HF)? Optimize lifestyle and psychosocial approaches according to Life's Essential 8, stress reduction, and avoidance of substances that may increase blood pressure (eg, alcohol, over the counter pain medications, and Is the patient at increased short-term risk of CVD due to morbidities of diabetes, or CKD? Is the patient at increased short-term risk of CVD due to 10-year risk of CVD with PREVENT ≥7.5%? nitiate antihypertensive drug therapy medications to lower BP for primary prevention of CVD (COR 1) YES medications, and herbal products) Is the average systolic BP ≥130 mm Hg or diastolic BP ≥80 mm Hg after 3–6 months of lifestyle interventions attempts? UCONN Jones DW, et al. Hypertension. 2025;82:e212-e316.

Risk-Based Thresholds for Initiation of BP Treatment in Adults



17

AHA's Predicting Risk of CVD EVENTs (PREVENT)

ORIGINAL RESEARCH ARTICLE

Development and Validation of the American Heart Association's PREVENT Equations

Sadiya S. Khan, MD, MSc; Kunihiro Matsushita, MD, PhD; Yingying Sang, MSc; Shoshana H. Ballew, PhD; Morgan E. Grams, MD, PhD; Aditya Surapaneni, PhD; Michael J. Blaha, MD, MPH; April P. Carson, PhD; Alexander R. Chang, MD, MS; Elizabeth Ciemins, MPH, PhD; Alan S. Go, MD; Orlando M. Gutierrez, MD; Shih-Jen Hwang, PhD; Simerjot K. Jassal, MD, MAS; Csaba P. Kovesdy, MD; Donald M. Lloyd-Jones, MD, SCM; Michael G. Shlipak, MD, MD, H; Latha P. Palaniappan, MD, MS; Laurence Sperling, MD; Salim S. Virani, MD, PhD; Katherine Tuttle, MD; Ian J. Neeland, MD; Sheryl L. Chow, Pharm, Janani Rangaswami, MD; Michael J. Pencina, PhD; Chiadi E. Ndumele, MD, PhD; Josef Coresh, MD, PhD; for the Chronic Kidney Disease Prognosis Consortium and the American Heart Association Cardiovascular-Kidney-Metabolic Science Advisory Group*

BACKGROUND: Multivariable equations are recommended by primary prevention guidelines to assess absolute risk of cardiovascular disease (CVD). However, current equations have several limitations. Therefore, we developed and validated the American Heart Association Predicting Risk of CVD EVENTs (PREVENT) equations among US adults 30 to 79 years of age without known CVD.

Khan SS, et al. Circulation. 2024;149:430-49.

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Risk-Based Antihypertensive Treatment

 "... a risk-based strategy for targeting antihypertensive therapy in primary prevention patients is more effective than a BP-alone based strategy in terms of events avoided in number-needed-to-treat to prevent 1 CVD event."

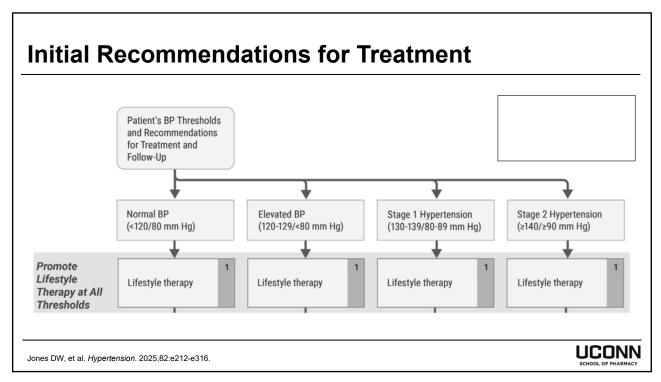
American Heart Association PREVENT Risk Score:

https://professional.heart.org/en/guidelines-and-statements/prevent-risk-calculator/prevent-calculator



19

The American Heart Association PREVENT™ Online Calculator Results for CVD Estimated 10-year Estimated 30-year ⇔ Print Result **8.7**% **35.7**% □ Related Content to CVD The risk estimates were calculated using the base model Recalculate or Pick another Calculator Lipid-lowering medication Male O Female cholesterol ○ No ® Yes HDL Cholesterol (mg/dL)* Age (years)* BMI (kg/m²)* 38 30 138 170 Anti-hypertensive medication **Diabetes**Any history of diabetes. ® No ○ Yes UCONN https://professional.heart.org/en/quidelines-and-statements/prevent-calculator. Accessed 22 November, 2025



21

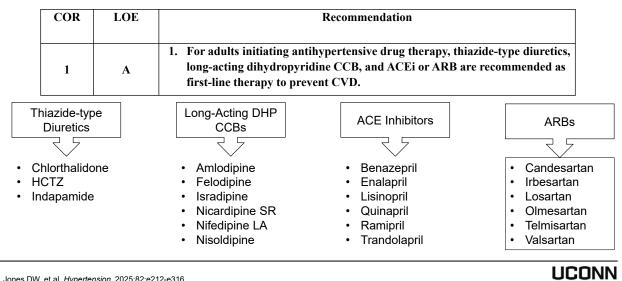
Hypertension Treatment: Lifestyle & Psychosocial Approaches

Modification	Approximate SBP Reduction
Weight reduction	1 mmHg per kg weight lost
Adopt DASH eating plan (includes substantial potassium intake)	5-8 mmHg
Reduce sodium intake	6-8 mmHg
Potassium supplementation	~6 mmHg
Physical activity	2-10 mmHg
Moderation of alcohol consumption (Drink = 24 oz beer, 10 oz wine, or 3 oz 80 proof whiskey)	4-6 mmHg

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Initial Medication Selection for Treatment of Primary Hypertension



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23

Choice of Initial Monotherapy Versus Initial Combination Drug Therapy

COR	LOE	Recommendations
1	B-R	1. In adults with stage 2 hypertension (SBP≥140 mm Hg and DBP≥90 mm Hg), initiation of antihypertensive drug therapy with 2 first-line agents of different classes, ideally in a single-pill combination (SPC), is recommended to improve BP control and adherence.
2a	С-ЕО	2. In adults with stage 1 hypertension (SBP 130 to 139 mm Hg and DBP 80 to 89 mm Hg), initiation of antihypertensive drug therapy with a single first-line antihypertensive drug is reasonable, with dosage titration and sequential addition of other agents as needed to achieve BP control.
3: Harm	A	3. In adults with hypertension, simultaneous use of an ACEi, ARB, and/or renin inhibitor in combination is not recommended due to the potential for harm.

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Examples of Effective Drug Combinations

Antihypertensive Medication Class Combination	Medication Combination	Generic Available	Select Available Doses
ACEi/ARB + Thiazide- type diuretic	Lisinopril + HCTZ (Prinzide® or Zestoretic®)	Yes	10 mg / 12.5 mg 20 mg / 25 mg
	Azilsartan + chlorthalidone (Edarbyclor®)	No	40 mg / 12.5 mg 40 mg + 25 mg
	Candesartan + HCTZ (Atacand HCT®)	Yes	16 mg / 12.5 mg 32 mg / 25 mg
ACEi/ARB + CCB	Benazepril + amlodipine (Lotrel®)	Yes	10 mg / 2.5 mg 20 mg / 5 mg
	Valsartan + amlodipine (Exforge®)	Yes	160 mg / 5 mg 320 mg / 10 mg
K-sparing diuretic + Thiazide-type diuretic	Triamterene + HCTZ (Dyazide® or Maxzide®)	Yes	37.5 mg / 25 mg 75 mg / 50 mg
ARB + CCB + Thiazide- type diuretic	Olmesarten + amlodipine + HCTZ (Tribenzor®)	Yes	20 mg / 5 mg / 12.5 mg 40 mg / 10 mg / 25 mg

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25

Drug Combinations- Use with Caution/Avoid Use due to Potential Harm

First Drug	Combined with	Comment		
Combinations to us	Combinations to use with care			
Non-DHP CCB	Beta-blocker	Increased risk of heart block		
ACEI or ARB	K-sparing diuretic	Increased risk of hyperkalemia		
Combinations to avoid				
ACEI	ARB	Increased risk of renal dysfunction and hyperkalemia		



Antihypertensive Medication Adherence Strategies

COR	LOE	Recommendations
1	B-R	 In adults with hypertension, antihypertensive medication dosing once daily rather than multiple times daily is beneficial to improve medication adherence.
1	B-R	2. In adults with hypertension, the use of a SPC to reduce pill burden rather than taking separate pills is effective to improve medication adherence.
2a	B-R	3. In adults with hypertension, use of medication reminder aids and educational or self-management interventions can be useful to improve medication adherence.

SPC = single pill combination

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27

Evidence-Based Strategies for Improving Antihypertensive Medication Adherence

- Dose consolidation (QD vs. BID)
- Single pill combination rather than separate pills
- Education/coaching by pharmacists and other health professionals
- Electronic/home BP monitoring & feedback
- Integration of patient preferences and values/shared decision-making into management plan
- Medication synchronization and reminder aids
- Mindfulness-based stress reduction or counseling for high stress, anxiety, and/or depression
- Self-management interventions

Jones DW, et al. Hypertension. 2025;82:e212-e316.



Recommendations for Blood Pressure Goal for Patients With Hypertension

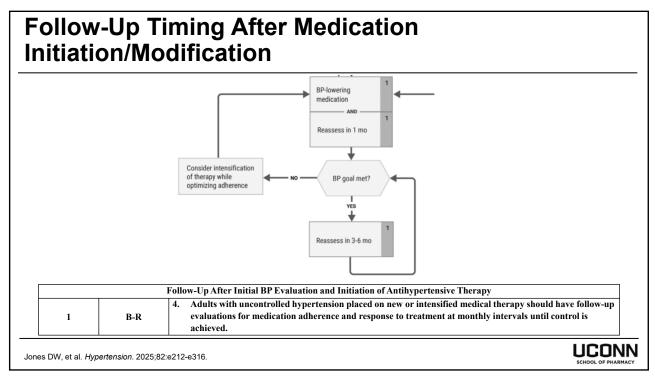
COR	LOE	Recommendations
1	A	In adults with confirmed hypertension who are at increased risk* for CVD, an SBP goal of at least <130 mm Hg, with encouragement to achieve SBP <120 mm Hg, is recommended to reduce the risk of cardiovascular events and total mortality.
2b	B-NR	2. In adults with confirmed hypertension who are not at increased risk* for CVD, an SBP goal of <130 mm Hg, with encouragement to achieve SBP <120 mm Hg, may be reasonable to reduce risk of further elevation of BP.
1	B-R	3. In adults with confirmed hypertension who are at increased risk* for CVD, a DBP target of <80 mm Hg is recommended to reduce the risk of cardiovascular events and total mortality.
2b	B-NR	4. In adults with confirmed hypertension who are not at increased risk* for CVD, a DBP target of <80 mm Hg may be reasonable to reduce the risk of cardiovascular events.

*Increased risk is defined as a 10-year predicted risk for CVD events of ≥7.5% using

Jones DW, et al. Hypertension. 2025;82:e212-e316.



29



Self-Assessment Question #1

According to the 2025 Hypertension guidelines, which of the following would not be an appropriate initial combination to start in a patient with stage 2 hypertension?

- A. Lisinopril + amlodipine
- B. Olmesartan + chlorthalidone
- C. Verapamil + hydrochlorothiazide
- D. Valsartan + chlorthalidone



31



Recommendations for Hypertension Treatment in Patients with Comorbidities

Management of HTN in Diabetes

COR	LOE	Recommendations
1	A	1. In adults with T2D and hypertension, antihypertensive drug treatment should be initiated at an SBP of ≥130 mm Hg with a treatment goal of <130 mm Hg, with encouragement to achieve an SBP <120 mm Hg to reduce CVD morbidity and mortality.
1	C-LD	2. In adults with T2D and hypertension, antihypertensive drug treatment should be initiated at a DBP of ≥80 mm Hg with a treatment goal of <80 mm Hg to reduce CVD morbidity and mortality.
1	A	3. In adults with T2D and hypertension, all first-line classes of antihypertensive agents (ie, thiazide-type diuretics, long-acting CCB, ACEi, and ARB) are useful and effective for BP lowering.
1	A	4. In adults with diabetes and hypertension, ACEi or ARB are recommended in the presence of CKD as identified by eGFR <60 mL/min/1.73 m² or albuminuria ≥30 mg/g and should be considered when mild albuminuria (<30 mg/g) is present to delay progression of diabetes-related kidney disease.

Jones DW, et al. Hypertension. 2025;82:e212-e316.



33

Management of HTN in Chronic Coronary Disease

COR	LOE	Recommendations
1	A	1. In adults with CCD, nonpharmacologic strategies are recommended as first-line therapy to lower BP in those with elevated BP (120-129/<80 mm Hg)
1	B-R	2. In adults with CCD who have hypertension, a BP target of <130/<80 mm Hg is recommended to reduce CVD events and all-cause death.
1	B-R	3. In adults with CCD and hypertension (systolic BP≥130 and/or diastolic BP≥80 mm Hg), in addition to nonpharmacological strategies, GDMT angiotensin-converting enzyme (ACE) inhibitors, angiotensin receptor blockers (ARB), or beta blockers are recommended as first-line therapy for compelling indications (eg, recent MI or angina), with additional antihypertensive medications (eg, dihydropyridine calcium channel blockers [CCB], long-acting thiazide diuretics, and/or mineralocorticoid receptor antagonists) added as needed to optimize BP control

CCD = chronic coronary disease; GDMT = guideline-directed medical therapy; MI = myocardial infarction

Jones DW, et al. *Hypertension*. 2025;82:e212-e316. Virani SS, et al. *J Am Coll Cardiol*. 2023;82:833-955.



Management of HTN in Chronic Kidney Disease

COR	LOE	Recommendations
1	A	For adults with hypertension and CKD as identified by eGFR <60 mL/min/1.73m² or albuminuria ≥30 mg albumin/g creatinine, treatment should target an SBP goal of <130 mm Hg to decrease all-cause mortality.
1	B-R	2. For adults with hypertension and CKD as identified by eGFR <60 mL/min/1.73m² with albuminuria of ≥30 mg/g, RAASi (either with ACEi or ARB but not both) is recommended to decrease CVD and delay progression of kidney disease.

Jones DW, et al. Hypertension. 2025;82:e212-e316.



35

Management of HTN in Secondary Stroke Prevention

COR	LOE	Recommendations
1	A	1. In patients with hypertension who have experienced an ischemic stroke, transient ischemic attack (TIA), or ICH, treatment with a thiazide-type diuretic, ACEi, or ARB is recommended for lowering BP and reducing recurrent stroke and ICH risk.
1	B-R	2. In patients with hypertension who have experienced an ischemic stroke, TIA, or ICH, an office SBP/DBP goal of <130/80 mm Hg is recommended to reduce the risk of recurrent stroke, ICH, and other vascular events.
2a	B-R	3. In patients with no history of hypertension who have experienced an ischemic stroke, TIA, or ICH and have an average office SBP/DBP of ≥130/80 mm Hg, antihypertensive medication treatment can be beneficial to reduce the risk of recurrent stroke, ICH, and other vascular events.

ICH = intra-cranial hemorrhage; TIA = transient ischemic attack

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Hypertension and Pregnancy

COR	LOE	Recommendations
1	A	1. For individuals with hypertension who are planning a pregnancy or who become pregnant, labetalol and extended-release nifedipine are preferred agents to treat hypertension and minimize fetal risk.
1	B-R	2. Individuals with hypertension who are planning a pregnancy or who become pregnant should be counseled about the benefits of low-dose (81 mg/day) aspirin to reduce the risk of preeclampsia and its sequelae.
1	B-R	3. Pregnant individuals with SBP≥160 mm Hg or DBP≥110 mm Hg confirmed on repeat measurement within 15 minutes should receive antihypertensive medication (Table 23) to lower BP to <160/<110 mm Hg within 30 to 60 minutes to prevent adverse events.
1	B-R	4. Pregnant individuals with chronic† hypertension (defined as prepregnancy hypertension or SBP 140 to 159 mm Hg and/or DBP 90 to 109 mm Hg prior to 20 weeks' gestation) should receive antihypertensive therapy to achieve BP <140/90 mm Hg to prevent maternal and perinatal morbidity and mortality.
3: Harm	C-LD	5. Individuals with hypertension who are planning a pregnancy or who become pregnant should not be treated with atenolol, ACEi, ARB, direct renin inhibitors, nitroprusside, or MRA to avoid fetal harm.

Jones DW, et al. Hypertension. 2025;82:e212-e316.



37



What is New vs. The 2017 Hypertension Guidelines?

What is New For 2025?

New or Revised	Section Title	2017 Recommendation	2025 Recommendation
New terminology	N/A	Hypertensive urgency	Severe hypertension
New recommendation	5.1. Lifestyle and	N/A	COR 2a: In adults with or without
	Psychosocial Approaches		hypertension, potassium-based salt
			substitutes can be useful to prevent
			or treat elevated BP and
			hypertension, particularly for
			patients in whom salt intake is
			related mostly to food preparation or
			flavoring at home, except in the
			presence of CKD or use of drugs
			that reduce potassium excretion
			where additional monitoring is
			probably indicated.

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39

What is New For 2025?

New or Revised	Section Title	2017 Recommendation	2025 Recommendation
Revised recommendation	5.2.2. BP Treatment Threshold	COR 1: Use of BP-lowering	COR 1: In adults with hypertension
	and the Use of CVD Risk	medications is recommended for	without clinical CVD but with
	Estimation to Guide Drug	secondary prevention of recurrent	diabetes or CKD or at increased 10-
	Treatment of Hypertension	CVD events in patients with	year CVD risk (ie, ≥7.5% based on
	(utilizing PREVENT instead of PCE)	clinical CVD and an average of	PREVENT), initiation of
		SBP ≥130 mm Hg or an average	medications to lower BP is
		DBP ≥80 mm Hg and for primary	recommended when average SBP is
		prevention in adults with an	≥130 mm Hg and average DBP is
		estimated 10-year ASCVD risk of	≥80 mm Hg to reduce the risk of
		≥10% and an average SBP ≥130	CVD events and total mortality.
		mm Hg or an average DBP ≥80	
		mm Hg	

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What is New For 2025?

New or Revised	Section Title	2017 Recommendation	2025 Recommendation
Revised recommendation	5.2.2. BP Treatment Threshold and	COR 1: Use of BP-lowering	COR 1: In adults with hypertension
	the Use of CVD Risk Estimation	medication is recommended for	without clinical CVD and with estimated
	to Guide Drug Treatment of	primary prevention of CVD in adults	10-year CVD risk <7.5% based on
	Hypertension	with no history of CVD and with an	PREVENT, initiation of medications to
	(utilizing PREVENT instead of PCE)	estimated 10-year ASCVD risk <10%	lower BP is recommended if average SBP
		and an SBP≥140 mm Hg or a DBP	remains ≥130 mm Hg or average DBP
		≥90 mm Hg	remains ≥80 mm Hg after a 3- to 6-month
			trial of lifestyle intervention to prevent
			target organ damage and mitigate further
			increases in BP.
Revised recommendation	5.3.1. Diabetes	COR 2b: In adults with diabetes and	COR 1: In adults with diabetes and
		hypertension, ACEi or ARB may be	hypertension, ACEi or ARB are
		considered in the presence of	recommended in the presence of CKD as
		albuminuria.	identified by eGFR <60 mL/min/1.73m2
			or albuminuria ≥30 mg/g and should be
			considered when mild albuminuria (<30
			mg/g) is present to delay progression of
			diabetic kidney disease.

Jones DW, et al. Hypertension. 2025;82:e212-e316.



41

What is New For 2025?

New or Revised	Section Title	2017 Recommendation	2025 Recommendation
New recommendation	5.5. Hypertension and	N/A	COR 1: Pregnant individuals with
	Pregnancy		chronic hypertension (defined as
			prepregnancy hypertension or SBP 140
			to 159 mm Hg and/or DBP 90 to 109
			mm Hg prior to 20 weeks gestation)
			should receive antihypertensive
			therapy to achieve BP <140/90 mm Hg
			to prevent maternal and perinatal
			morbidity and mortality.
Revised recommendation	5.5. Hypertension and	COR 3 Harm: Women with	COR 3 Harm: Individuals with
	Pregnancy	hypertension who become pregnant	hypertension who are planning a
		should not be treated with ACEi or	pregnancy or who become pregnant
		direct renin inhibitors.	should not be treated with atenolol,
			ACEi, ARB, direct renin inhibitors,
			nitroprusside, or MRA to avoid fetal
			harm.

Jones DW, et al. Hypertension. 2025;82:e212-e316.



Self-Assessment Question #2

Which of the following represents a new recommendation in the 2025 Hypertension guideline that was not in the previous (2017) version?

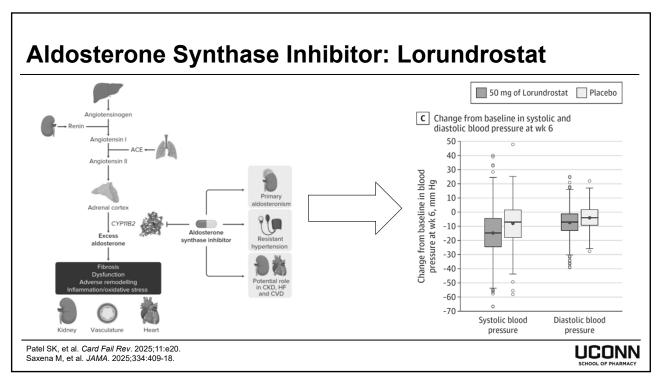
- A. Start initial combination therapy for anyone with stage 2 hypertension
- B. ACEi/ARB, CCB, and diuretics are first-line therapies unless contraindicated
- C. The goal of antihypertensive drug therapy is < 140/90 mmHg
- D. Individuals without BP ≥130/80 mmHg, no CVD, and a 10-year CVD risk ≥7.5% should start antihypertensive medication

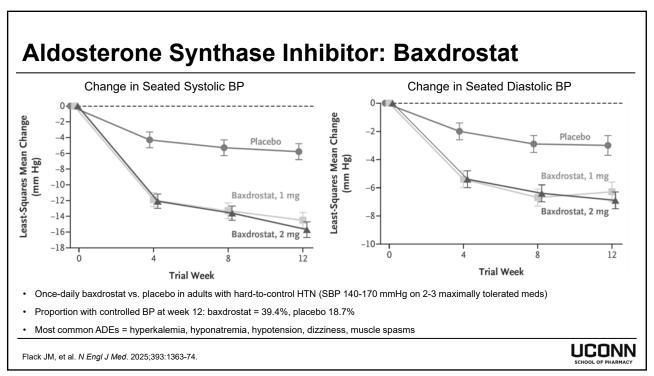


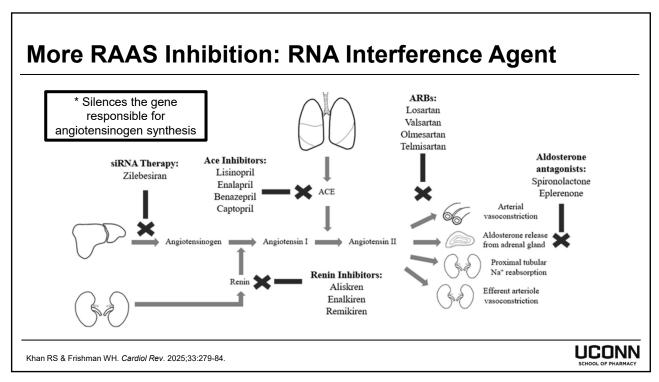
43

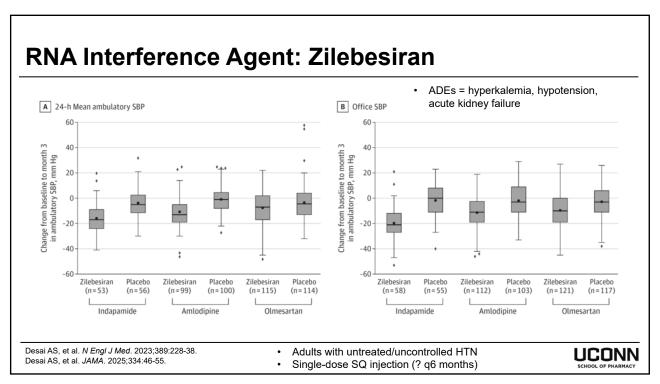


Is Anything New On The Hypertension Horizon?









Self-Assessment Question #3

Which of the following is most accurate about emerging drug treatments for hypertension?

- A. Trials have exclusively been conducted in newly-diagnosed adult patients
- B. Mechanisms of emerging drugs have targeted attenuation of the sympathetic nervous system
- C. Novel therapies have not been shown to improve blood pressure control over existing drug therapies
- D. Emerging drug therapies, while effective, have concerns for hyperkalemia and hypotension



49



Thank You For Your Attention Session code: