

View PDF

Download full issue

Outline

Abstract

Graphical abstract

Keywords

1. Introduction

Keywords

1. Introduction

Table 1

Table 2

Tables (2)



American Journal of Preventive Cardiology

Volume 25, February 2026, 101400



Implications of the 2025 AHA/ACC high blood pressure guidelines on the initiation and intensification of blood pressure-lowering medications among US adults

Ahmed Sayed^a, Eric D. Peterson^b, Ann Marie Navar^b

Show more

+ Add to Mendeley Share Cite

<https://doi.org/10.1016/j.ajpc.2025.101400>

Get rights and content

Under a Creative Commons license

Open access

Abstract

Background

Recent updates to the American College of Cardiology (ACC) and American Heart Association (AHA) guidelines for high blood pressure (BP) changed the risk calculator recommended, lowered the preferred treatment target, and expanded treatment recommendations for lower risk adults. We sought to quantify the clinical implications of these change among US adults.

Methods

Using data from the 2015–2020 National Health and Nutrition Examination Survey (NHANES), we estimated the proportion and number of US adults aged 20 years or older who were eligible for initiation or intensification of pharmacological anti-hypertensive medications under the 2017 vs the 2025 guidelines.

Results

Among US adults ≥20 years not being currently treated for hypertension (N = 180.0 million), using the 2017 Guideline, 18.7 % (33.6 million) were eligible for initiation of pharmacological anti-hypertensive therapy. In contrast, the 2025 Guideline would treat 18.4 % (33.2 million) with upfront medication while an additional 10.8 % (19.4 million) would be considered for medications if

Recommended articles

Is the Mortality Trend of Ischemic Heart Disease by the...

Biomedical and Environmental Science... Xia WAN, Gong Huan YANG

View PDF

AJPC academy: A four-pillar model for cultivating the next...

American Journal of Preventive Cardiol... Carlos Vergara Sanchez, ..., Khurram Nasir

View PDF

Quantifying population-level antihypertensive treatment...

American Journal of Preventive Cardiol... Huanhuan Yang, Yuan Lu

View PDF

Show 3 more articles

Article Metrics

Captures

Mendeley Readers 1

Mentions

News Mentions 1

PLUMX View details

Tables (2)

[Table 1](#)

[Table 2](#)

Tables (2)

criteria ($\geq 150/80$ mm Hg in the absence of the aforementioned risk factors) was included because the guidelines recommend pharmacological treatment in this subgroup of patients if 3–6 months of lifestyle modification does not reduce BP to $<130/80$ mm Hg [2]. Proportions using both definitions are presented. For the primary analysis, the base PREVENT equation was used. A sensitivity analysis using the expanded PREVENT equation to additionally include HbA1c and urine albumin-creatinine ratio was conducted.

Per the 2017 guidelines, eligibility was determined by a BP $\geq 140/90$ mm Hg or a BP $\geq 130/80$ mm Hg in the setting of a PCE 10-year risk of ASCVD $\geq 10\%$, diabetes, CKD, established CVD, or an SBP ≥ 130 mm Hg for older adults (≥ 65 years) [3]. Risk estimates by PREVENT and PCE were only calculated for adults aged 30 to 79 years and 40 to 79 years respectively, as these were the age-groups in which these equations were intended for use. For persons outside these age ranges, treatment recommendations were based on BP only.

In addition to determining the proportion eligible by either guideline, the proportions with concordant or discordant recommendations are also presented. The association of age, sex, race, and body mass index (BMI) with discordance was assessed using logistic regression models. For the two continuous variables assessed (age and BMI), the proportion eligible for treatment using either guideline was estimated across their spectra individually and in combination. The association of CVD, DM, and CKD with discordance was not assessed because both guidelines share the same 130/80 threshold for initiation in these subgroups.

B. Eligibility for intensification

Eligibility for treatment intensification was divided according to 3 categories: BP $\geq 130/80$ mm Hg (eligible for intensification by both guidelines), SBP of 120–129 mm Hg and DBP <80 mm Hg (eligible for intensification by 2025 guidelines to achieve a preferred target of $<120/80$ mm Hg), or a BP $<120/80$ mm Hg (well-controlled). Subgroup analyses were performed by age (<65 and ≥ 65 years), sex (males and females), race/ethnicity (Non-Hispanic [NH] Black, White, Asian, or Hispanic), and comorbidities (obesity, diabetes, CVD, and CKD). Because BP goal recommendations are stronger for higher-risk vs lower-risk adults (1A vs 2b respectively), [2] an additional subgroup analysis stratified by 10-year ASCVD risk by PREVENT ($\geq 7.5\%$ vs $<7.5\%$) was also performed. Patients with CVD or CKD were analyzed separately as the guidelines do not explicitly endorse a target of $<120/80$ mmHg for these patients.

2.3. Statistical analysis

Eligibility for treatment initiation or intensification is presented as simple proportions (%) and the equivalent number of US adults (millions). To assess variables associated with discordant recommendations for treatment initiation, logistic regression

present in 0.3 % [95 %CI: 0.2 to 0.6 %].

C. Factors associated with discordant recommendations

Characteristics of respondents, according to the concordance or discordance of treatment recommendations, are shown in [Table 2](#). Participants who were newly eligible if lifestyle modification is insufficient were younger, had higher BMI, and had lower 10-year predicted ASCVD risk as predicted by the PCE or or CVD risk as predicted by PREVENT.

Table 2. Characteristics of US adults according to the concordance or discordance of 2017 and 2025 AHA/ACC high blood pressure guidelines for the initiation of pharmacological treatment.

Variable	Concordant		Discordant		
	Ineligible by both guidelines	Eligible by both guidelines	Newly eligible if lifestyle modification insufficient	Newly eligible for immediate treatment	Newly ineligible for immediate treatment
Respondents in NHANES, N	5614	1908	806	11	26
US adults, N (millions)	127.5	33.0	18.8	0.1	0.6
Age (years)	39.8 [39.0 to 40.7]	57.1 [55.8 to 58.5]	45.3 [44.6 to 46.0]	63.1 [59.7 to 66.5]	59.6 [59.6 to 63.1]
Women (%)	53.4 [51.9 to 54.8]	44.8 [40.5 to 49.1]	47.0 [42.5 to 51.6]	68.3 [6.0 to 98.6]	N/A
Race/ethnicity (%)					
Hispanic	17.2 [14.2 to 20.5]	12.8 [10.2 to 15.8]	14.8 [12.1 to 18.0]	1.2 [0.2 to 6.7]	N/A
Non-Hispanic Asian	6.0 [4.7 to 7.7]	5.6 [4.3 to 7.1]	6.3 [4.7 to 8.2]	6.5 [1.5 to 23.9]	N/A
Non-Hispanic Black	9.8 [7.8 to 12.2]	15.5 [12.3 to 19.5]	11.0 [8.6 to 14.0]	8.0 [1.9 to 27.5]	N/A
Non-Hispanic White	63.2 [58.8 to 67.3]	62.1 [56.6 to 67.3]	64.5 [59.5 to 69.3]	76.9 [43.0 to 93.6]	N/A
Other (including multiracial)	3.9 [3.4 to 4.5]	4.0 [3.1 to 5.3]	3.4 [2.3 to 4.9]	7.5 [0.5 to 59.0]	N/A
Systolic blood pressure (mm Hg)	112.8 [112.4 to 113.2]	143.3 [142.4 to 144.2]	127.1 [126.4 to 127.8]	129.3 [127.6 to 131.0]	128 to 131
Diastolic blood pressure (mm Hg)	68.3 [67.9 to 68.7]	82.6 [81.6 to 83.5]	81.6 [81.1 to 82.2]	78.2 [72.9 to 83.5]	81.3 to 84.8

Table 2

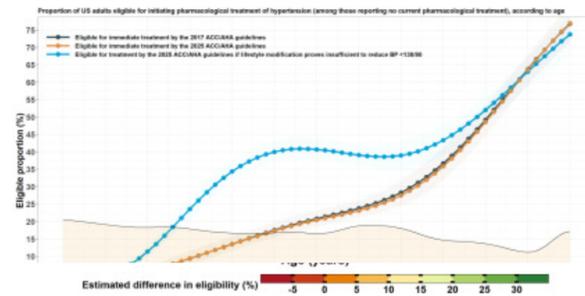
Tables (2)

Table 1

Table 2

lifestyle modification (Fig. 2A). For adults aged 40, 50, and 60 years, estimated eligibility with the 2017 vs 2025 guidelines would be 13.5 % vs 34.4 %, 20.8 % vs 40.7 %, and 28.3 % vs 39.0 %, respectively. Conversely, a similar proportion of older adults would be eligible for treatment by both guidelines. For adults aged 70 years, eligibility would be 49.2 % vs 52.0 % respectively.

Panel A: Eligibility across the spectrum of age



Download: Download high-res image (1MB)

Download: Download full-size image

Fig. 2. Proportion of concordant & discordant class I recommendations for initiating pharmacological treatment according to the 2025 and 2017 AHA/ACC guidelines. Panels A and B contrast eligibility proportions by each guideline across the spectrum of age and body mass index (BMI), respectively. The shaded area in both panels depicts the weighted distribution of both variables. Panel C shows differences in eligibility between 2025 (assuming insufficiency of lifestyle modification for low-risk stage 1 hypertension) and 2017 across the spectrum of age and BMI. Panel A: Eligibility across the spectrum of age, Panel B: Eligibility across the spectrum of BMI, Panel C: Differences between the 2025 and 2017 across the combined spectra of age and BMI.

Additionally, a greater proportion of adults with obesity would be eligible for treatment initiation based on the treatment recommendation for lower-risk stage 1 hypertension (Fig. 2B). At a BMI of 30, 35, and 40, the proportion eligible was 21.4 % vs 33.0 %, 22.1 % vs 37.7 %, and 22.3 % vs 39.4 % respectively. Differences by age-BMI were complementary (Fig. 2C).

4.1. Eligibility for intensification of pharmacological treatment

A total of 31.6 million US adults aged ≥20 years without CVD or CKD reported use of medications for pharmacological BP-lowering. Of these, 55.0 % [95 %CI: 51.3 to 58.7 %], representing 17.4 million, had a BP of above 130/80 mm Hg; 17.6 % [95 %CI: 14.7 to 20.9 %], representing 5.6 million, had a BP of 120–129/<80 mm Hg; and 27.3 % [95 %CI: 23.1 to 32.0 %], representing 8.6 million, had a BP of <120/80 mm Hg. Older persons (60.9 %), Non-Hispanic Black persons (65.7 %), and Asian persons (63.7 %) had the highest prevalence of BP above 130/80 mmHg (Fig. 3 and Supplementary Table 2). In a sensitivity analysis limited to the 2017–2020 survey cycle (after release of the 2017 guidelines), the proportion of adults with a BP above 130/80 mm Hg was 54.3 %

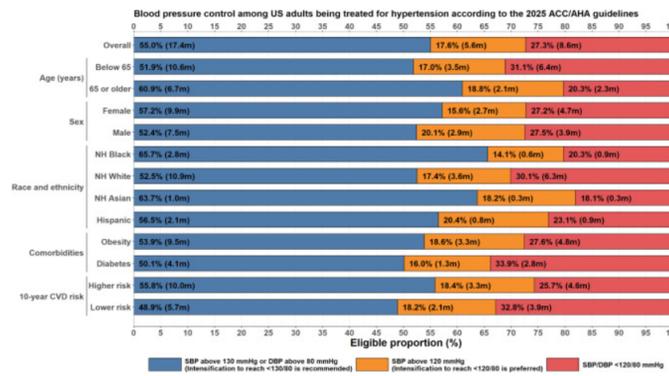
Tables (2)

Table 1

Table 2

Tables (2)

[95 %CI: 50.1 to 58.4 %].



[Download: Download high-res image \(822KB\)](#)

[Download: Download full-size image](#)

Fig. 3. Blood pressure control among US adults being treated for hypertension according to the 2025 AHA/ACC guidelines. Higher 10-year risk is determined by a predicted risk $\geq 7.5\%$ by PREVENT. These data exclude patients with established cardiovascular disease (defined as MI, stroke, CAD, or HF) and chronic kidney disease (defined as an ≤ 60 mL/min/1.73 m² or a urine albumin-creatinine ratio ≥ 30 mg/g), as the 2025 guidelines do not explicitly endorse treatment intensification with a goal of $<120/80$ mmHg in these subgroups.

Among adults with CVD receiving antihypertensive medications ($N = 14.0$ million), the proportion with a BP above 130/80 mmHg was 62.5% [95%CI: 58.4 to 66.4%]. Among adults with CKD ($N = 17.0$ million), the proportion with a BP above 130/80 mmHg was 66.6% [95%CI: 61.3 to 71.6%]. Overall, among all adults (including those with CVD or CKD) currently being treated for hypertension ($N = 58.0$ million), 59.8% [95%CI: 57.7 to 61.9%] did not meet the recommended BP goal of $<130/80$.

5. Discussion

Depending on the success of lifestyle modification for lower-risk stage 1 hypertension, the effect of the 2025 AHA/ACC guidelines expands eligibility for treatment of hypertension to as many as 19.0 million additional adults. The majority of this expansion occurs in adults with obesity and younger and middle-aged adults. Among those with hypertension on treatment, over half have yet to meet the prior goal of $<130/80$ mm Hg, and only 1 in 4 are meeting the new preferred target of $<120/80$ mm Hg.

Most of the expansion in treatment recommendations is driven by the new recommendation to initiate pharmacological treatment in lower-risk (i.e., 10-year risk $<7.5\%$ by PREVENT) adults with stage 1 hypertension in whom a 3–6 month lifestyle intervention is insufficient. Multiple clinical trials have shown that lifestyle modification can result in meaningful reductions in BP, including weight loss, reductions in dietary sodium and alcohol, increases in dietary potassium, and exercise [2,9]. Unfortunately, a large proportion of patients with hypertension report never being counseled on appropriate lifestyle

Table 1

Table 2

Tables (2)

Table 1

modifications. Further, structural barriers including lack of access to healthy food or safe spaces to exercise, time constraints, and low health literacy pose substantial barriers to effective implementation of lifestyle changes [[10], [11], [12]].

A key finding of this study is that middle-aged adults (age 35–55) experienced the greatest expected increase eligibility for pharmacological treatment assuming a 3–6 month trial of lifestyle changes are insufficient. Under the prior guideline, these adults did not have sufficiently high risk predicted by the PCE to meet criteria to initiate pharmacological treatment. In contrast, the proportion of older adults eligible to initiate pharmacological treatment is nearly identical under both guidelines, likely because an age >65 was considered a risk-enhancing risk factor under older guidelines that merits treatment initiation in stage 1 hypertension regardless of calculated risk. Multiple studies support the long-term, cumulative risk of prolonged exposure to high blood pressure [[13], [14], [15], [16]]. Promoting earlier BP-lowering may reduce this cumulative exposure and thus mitigate the long-term cardiovascular risk posed by elevated BP.

The reason for the increase in eligibility among people with obesity is twofold. First, persons with obesity are more likely to have stage 1 hypertension, which may merit treatment in the new guidelines even with a lower 10-year predicted risk. Second, unlike the PCE, the PREVENT calculator accounts for BMI and produces higher 10-year risk estimates for persons with obesity. An important related development has been the approval and wider use of effective weight-loss medications which also substantially reduce BP in persons with obesity [17,18]. These medications, notwithstanding concerns about wider access and long-term affordability, will complement current use of anti-hypertensive medications and help control elevated BP in a substantial proportion of obese people.

This analysis also highlights the ongoing gaps in hypertension control amongst patients already on therapy. Only around half of patients with hypertension had achieved a BP <130/<80, and around 1 in 4 had achieved the new preferred goal of <120/80. Closing this gap will likely require a multifaceted approach, including public health measures such as wider use of salt-substitutes [19], optimizing use of currently-available medications such as fixed-dose combination pills [20], and the use of novel long-acting treatment options where clinically appropriate [21].

An important novel aspect of the 2025 guidelines is the use of the race-agnostic PREVENT. Previous data has shown that PREVENT yielded lower ASCVD risk estimates than PCE, with the difference being largest among Black persons [22]. These findings lead to concerns that usage of PREVENT would lead to lesser utilization of preventive therapies in Black patients. In the present analysis, the percentage change in eligibility was largely similar between Black and White persons (0 % and –0.3 % respectively). It is important to note that PREVENT-based risk estimates are only relevant for eligibility among adults with

Tables (2)

[Table 1](#)

[Table 2](#)

Tables (2)

Author agreement

The authors have agreed to the submission of this manuscript – *Implications of the 2025 AHA/ACC High Blood Pressure Guidelines on the Initiation and Intensification of Blood Pressure-Lowering Medications among US Adults* – September 2024 and the materials in this manuscript have not been previously published nor are in consideration for publication elsewhere.

Disclosures

EDP and AMN receive research support to their institution from Amgen and Esperion. AMN receives consulting fees from Amgen, Arrowhead, Bayer, Esperion, Janssen, Eli Lilly, Merck, New Amsterdam, Novartis, Novo Nordisk, Pfizer, Roche, and Silence Therapeutics and EDP receives consulting fees from Janssen and Novo Nordisk. AS has no disclosures to declare.

Data sharing statement

The data used for this analysis are publicly available (<https://www.cdc.gov/nchs/nhanes/>). The related statistical code has also been made publicly available (https://github.com/ahmedsayedcardio/2025_BP_Guidelines_Implications) and the software required for its execution is also freely available (<https://www.r-project.org/>).

Sources of funding

This work did not receive external funding.

CRediT authorship contribution statement

Ahmed Sayed: Conceptualization, Formal analysis, Visualization, Writing – original draft. **Eric D. Peterson:** Supervision, Writing – review & editing. **Ann Marie Navar:** Supervision, Writing – review & editing.

Declaration of competing interest

The authors declare the following financial interests/personal relationships which may be considered as potential competing interests: Ann Marie Navar reports a relationship with Amgen, Arrowhead, Bayer, Esperion, Janssen, Eli Lilly, Merck, New Amsterdam, Novartis, Novo Nordisk, Pfizer, Roche, and Silence Therapeutics that includes: consulting or advisory. Eric D. Peterson reports a relationship with Janssen and Novo Nordisk that includes: consulting or advisory. If there are other authors, they declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Acknowledgements

Not applicable.

Appendix. Supplementary materials

[Table 2](#)

Tables (2)

[Table 1](#)

[Table 2](#)

(2020)

[Google Scholar](#)

- [6] S.G. Heeringa, B.T. West, S.G. Heeringa, P.A. Berglund, P.A. Berglund
Applied Survey Data Analysis
(2nd ed.), Chapman and Hall/CRC (2017), [10.1201/9781315153278](#)
[↗](#)

[Google Scholar](#)

- [7] R Core Team
R: A Language And Environment For Statistical Computing
R Foundation for Statistical Computing, Vienna, Austria (2022)
URL
<https://www.R-project.org/> [↗](#)
[Google Scholar](#)

- [8] T. Lumley
Survey: Analysis Of Complex Survey Samples
(2024)
R package version 4.4
[Google Scholar](#)

- [9] P.L. Valenzuela, P. Carrera-Bastos, B.G. Galvez, G. Ruiz-Hurtado, J.M. Ordovas, L.M. Ruilope, A. Lucia
Lifestyle interventions for the prevention and treatment of hypertension
Nat Rev Cardiol, 18 (2021), pp. 251-275, [10.1038/s41569-020-00437-9](#) [↗](#)
[View in Scopus](#) [Google Scholar](#)

- [10] A.R. Williams, M. Wilson-Genderson, M.D. Thomson
A cross-sectional analysis of associations between lifestyle advice and behavior changes in patients with hypertension or diabetes: NHANES 2015-2018
Prev Med, 145 (2021), Article 106426, [10.1016/j.jpmed.2021.106426](#) [↗](#)
[View PDF](#) [View article](#) [View in Scopus](#) [↗](#)
[Google Scholar](#)

- [11] M. Abdalla, S.D. Bolen, J. Brettler, B.M. Egan, K.C. Ferdinand, C.D. Ford, D.T. Lackland, H.K. Wall, D. Shimbo, A. American Heart, et al.
Implementation strategies to improve blood pressure control in the United States: a scientific statement from the American Heart Association and American Medical Association
Hypertension, 80 (2023), pp. e143-e157, [10.1161/HYP.0000000000000232](#) [↗](#)
[Google Scholar](#)

- [12] R.R. Dhungana, Z. Pedisic, M. de Courten
Implementation of non-pharmacological interventions for the treatment of hypertension in primary care: a narrative review of effectiveness, cost-effectiveness, barriers, and facilitators

Tables (2)

[Table 1](#)

[Table 2](#)

Tables (2)

BMC Prim Care, 23 (2022), p. 298, [10.1186/s12875-022-01884-8](https://doi.org/10.1186/s12875-022-01884-8) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

[13] M.J. Domanski, C.O. Wu, X. Tian, A.A. Hasan, X. Ma, Y. Huang, R. Miao, J.P. Reis, S. Bae, A. Husain, *et al.*

Association of incident cardiovascular disease with time course and cumulative exposure to multiple risk factors

J Am Coll Cardiol, 81 (2023), pp. 1151-1161,

[10.1016/j.jacc.2023.01.024](https://doi.org/10.1016/j.jacc.2023.01.024) ↗

[View PDF](#) [View article](#) [View in Scopus](#) ↗

[Google Scholar](#) ↗

[14] N. Wang, K. Harris, P. Hamet, S. Harrap, G. Mancina, N. Poulter, B. Williams, S. Zoungas, M. Woodward, J. Chalmers, *et al.*

Cumulative systolic blood pressure load and cardiovascular risk in patients with diabetes

J Am Coll Cardiol, 80 (2022), pp. 1147-1155,

[10.1016/j.jacc.2022.06.039](https://doi.org/10.1016/j.jacc.2022.06.039) ↗

[View PDF](#) [View article](#) [View in Scopus](#) ↗

[Google Scholar](#) ↗

[15] C.C. Lai, D. Sun, R. Cen, J. Wang, S. Li, C. Fernandez-Alonso, W. Chen, R. Srinivasan Sathanur, S. Berenson Gerald

Impact of long-term burden of excessive adiposity and elevated blood pressure from childhood on adulthood left ventricular remodeling patterns

J Am Coll Cardiol, 64 (2014), pp. 1580-1587,

[10.1016/j.jacc.2014.05.072](https://doi.org/10.1016/j.jacc.2014.05.072) ↗

[View PDF](#) [View article](#) [View in Scopus](#) ↗

[Google Scholar](#) ↗

[16] B.A. Ference, D.L. Bhatt, A.L. Catapano, C.J. Packard, I. Graham, S. Kaptoge, T.B. Ference, Q. Guo, U. Laufs, C.T. Ruff, *et al.*

Association of genetic variants related to combined exposure to lower low-density lipoproteins and lower systolic blood pressure with lifetime risk of cardiovascular disease

JAMA, 322 (2019), pp. 1381-1391, [10.1001/jama.2019.14120](https://doi.org/10.1001/jama.2019.14120) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

[17] A.M. Jastreboff, L.J. Aronne, N.N. Ahmad, S. Wharton, L. Connery, B. Alves, A. Kiyosue, S. Zhang, B. Liu, M.C. Bunck, *et al.*

Tirzepatide once weekly for the treatment of obesity

N Engl J Med, 387 (2022), pp. 205-216, [10.1056/NEJMoa2206038](https://doi.org/10.1056/NEJMoa2206038) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

[18] C. Kennedy, P. Hayes, A.F.G. Cicero, S. Dobner, C.W. Le Roux, J.W. McEvoy, L. Zgaga, M. Hennessy

Semaglutide and blood pressure: an individual patient data meta-analysis

Eur Heart J, 45 (2024), pp. 4124-4134, [10.1093/eurheartj/ehae564](https://doi.org/10.1093/eurheartj/ehae564)

↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

[19] Y. Yuan, A. Jin, B. Neal, X. Feng, Q. Qiao, H. Wang, R. Zhang, J. Li,

Table 1

Table 2

Tables (2)

Table 1

Table 2

Table 2

Extras (2)

Download all

Document

Document

P. Duan, Cao Le, *et al.*

Salt substitution and salt-supply restriction for lowering blood pressure in elderly care facilities: a cluster-randomized trial

Nat Med, 29 (2023), pp. 973-981, [10.1038/s41591-023-02286-8](https://doi.org/10.1038/s41591-023-02286-8) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

- [20] N. Wang, P. Rueter, E. Atkins, R. Webster, M. Huffman, A. de Silva, C. Chow, A. Patel, A. Rodgers
Efficacy and safety of low-dose triple and quadruple combination pills vs monotherapy, usual care, or placebo for the Initial management of hypertension: a systematic review and meta-analysis

JAMA Cardiol, 8 (2023), pp. 606-611,

[10.1001/jamacardio.2023.0720](https://doi.org/10.1001/jamacardio.2023.0720) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

- [21] A.S. Desai, D.J. Webb, J. Taubel, S. Casey, Y. Cheng, G.J. Robbie, D. Foster, S.A. Huang, S. Rhyee, M.T. Sweetser, *et al.*
Zilebesiran, an RNA interference therapeutic agent for hypertension

N Engl J Med, 389 (2023), pp. 228-238, [10.1056/NEJMoa2208391](https://doi.org/10.1056/NEJMoa2208391) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

- [22] T.S. Anderson, L.M. Wilson, J.B. Sussman
Atherosclerotic cardiovascular disease risk estimates using the predicting risk of cardiovascular disease events equations

JAMA Intern Med, 184 (2024), pp. 963-970,

[10.1001/jamainternmed.2024.1302](https://doi.org/10.1001/jamainternmed.2024.1302) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

- [23] Y. Zhang, J. An
Projected impact of 2025 AHA/ACC high blood pressure guideline on medication use

Hypertension, 82 (2025), pp. 2064-2066,

[10.1161/HYPERTENSIONAHA.125.25903](https://doi.org/10.1161/HYPERTENSIONAHA.125.25903) ↗

[View in Scopus](#) ↗ [Google Scholar](#) ↗

Cited by (0)

© 2025 The Authors. Published by Elsevier B.V.



[About ScienceDirect](#) ↗

[Remote access](#)

[Contact and support](#) ↗

[Terms and conditions](#) ↗

[Privacy policy](#) ↗

[Cookie settings](#)



All content on this site: Copyright © 2026 Elsevier B.V., its licensors, and contributors. All rights are reserved, including those for text and data mining, AI training, and similar technologies. For all open access content, the relevant licensing terms apply.

[FEEDBACK](#)