

SUPPLEMENTAL MATERIAL

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Supplemental Table 1. ALLHAT Comorbidity Definitions

Comorbidity	Definition
Coronary Heart Disease	History of myocardial infarction, angina, primary cardiac arrest, coronary stenosis > 50%, reversible perfusion defect on stress testing, or prior coronary revascularization procedure.
Diabetes	Fasting plasma glucose > 140 mg/dl, a non-fasting glucose > 200 mg/dl, or treatment with insulin or oral hypoglycemic agent during the two years prior to study enrollment
Smoking Status	
Current Smoker	Any cigarette use within 30 days of enrollment
Non Smoker	No cigarette use within 30 days of enrollment

ALLHAT, Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial;

dl, deciliter; mg, milligram.

Supplemental Table 2. Baseline Characteristics of ALLHAT Participants With and Without a Baseline Study Electrocardiogram (ECG)

Characteristic	Without ECG [‡] (n = 774)	With ECG (n = 14,837)	P value [†]
Age, years, mean (SD)	70.5 (6.7)	71.4 (6.6)	<0.001
Female Gender, n (%)	468 (60)	8,367 (56)	0.03
Race, n (%)			<0.001
White Non-Hispanic	229 (30)	7,050 (48)	
Black	388 (50)	5,043 (34)	
Hispanic	151 (20)	2,532 (17)	
Other	6 (1)	212 (1)	
Body Mass Index, kg/m ² , mean (SD)	29.6 (6.6)	29.2 (6.0)	0.03
Current Smoker, n (%)	159 (21)	2,466 (17)	0.004
Coronary Heart Disease, n (%)	160 (21)	4,049 (27)	<0.001
Diabetes, n (%)	339 (51)	5,817 (42)	<0.001
GFR, ml/min/1.73 m ² , mean (SD)	76.5 (22.2)	73.9 (19.4)	0.001
Serum potassium, mEq/L, mean (SD)	4.3 (0.5)	4.3 (0.5)	0.60
Cholesterol, mg/dL, mean (SD)			
Total	220 (45)	217 (44)	0.12
HDL	49 (14)	48 (15)	0.52
LDL	139 (40)	136 (37)	0.08
Antihypertensive Treatment Group			0.40
Chlorthalidone	337 (43)	6,818 (46)	
Amlodipine	224 (29)	4,040 (27)	
Lisinopril	213 (28)	3,979 (27)	

*Participants without a baseline ECG were excluded from the overall analysis. †P values are for the comparison of the indicated characteristic in participants with versus without a baseline ECG. AF, atrial fibrillation; AFL, atrial flutter; GFR, glomerular filtration rate; HDL, high density lipoprotein; LDL, low density lipoprotein; SD, standard deviation.

Supplemental Table 3. Antihypertensive Treatment Sensitivity Analyses

Analysis	Study Drug[§]	Hazard Ratio	95% CI	P value
AF Only[*]	Lisinopril	1.04	0.94 to 1.15	0.48
	Amlodipine	0.92	0.83 to 1.03	0.133
In-trial AF/AFL[†]	Lisinopril	1.08	0.94 to 1.24	0.29
	Amlodipine	0.91	0.78 to 1.05	0.21
Fine-Gray[‡]	Lisinopril	1.05	0.96 to 1.16	0.27
	Amlodipine	0.94	0.85 to 1.03	0.20

*Outcome restricted to incident AF; AFL was omitted from the outcome definition.

†Outcome restricted to incident AF and AFL diagnosed by either ECG or CMS coding during active trial follow-up.

‡Death treated as a competing risk using a Fine-Gray model.

§Compared to chlorthalidone.

AF, atrial fibrillation; AFL, atrial flutter; CI, confidence interval; CMS, Centers for Medicare Services; ECG, electrocardiogram.

Supplemental Figure 1. Cumulative Incident AF/AFL Rate By Treatment

Randomization

