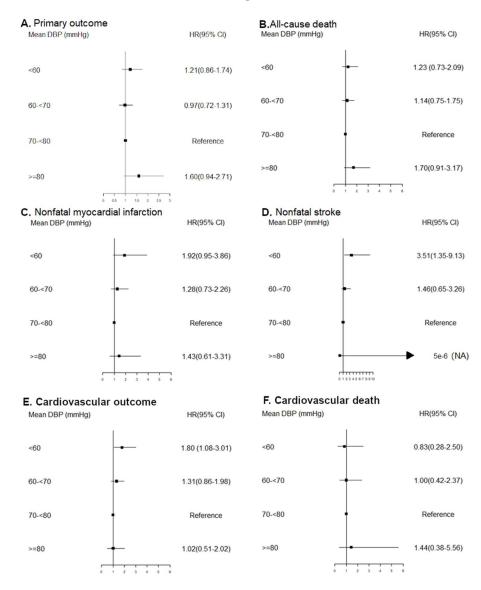
Supplemental Online Content

Li J, Somers VK, Gao X, et al. Evaluation of optimal diastolic blood pressure range among adults with treated systolic blood pressure less than 130 mm Hg. *JAMA Netw Open*. 2021;4(2):e2037554. doi:10.1001/jamanetworkopen.2020.37554

- **eFigure 1.** Adjusted Hazard Ratios for Mean Achieved DBP and Outcomes at Achieved SBP of Less Than 130 mm Hg in SPRINT Trial
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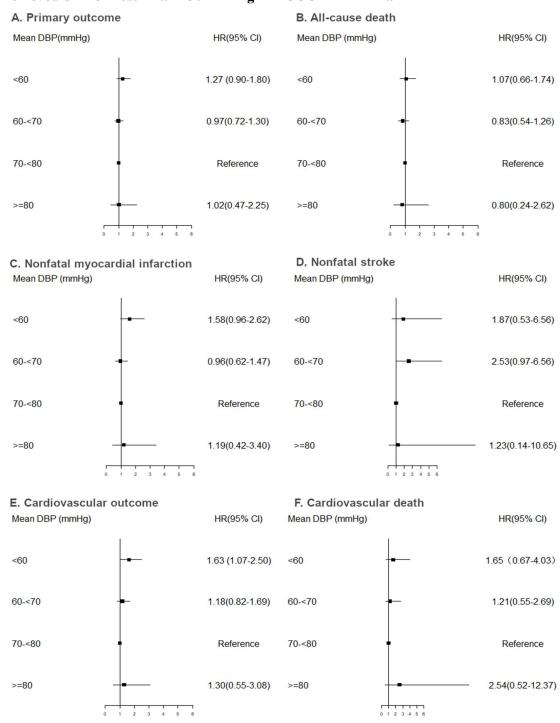
This supplemental material has been provided by the authors to give readers additional information about their work.

eFigure 1. Adjusted Hazard Ratios for Mean Achieved DBP and Outcomes at Achieved SBP of Less Than 130 mm Hg in SPRINT Trial



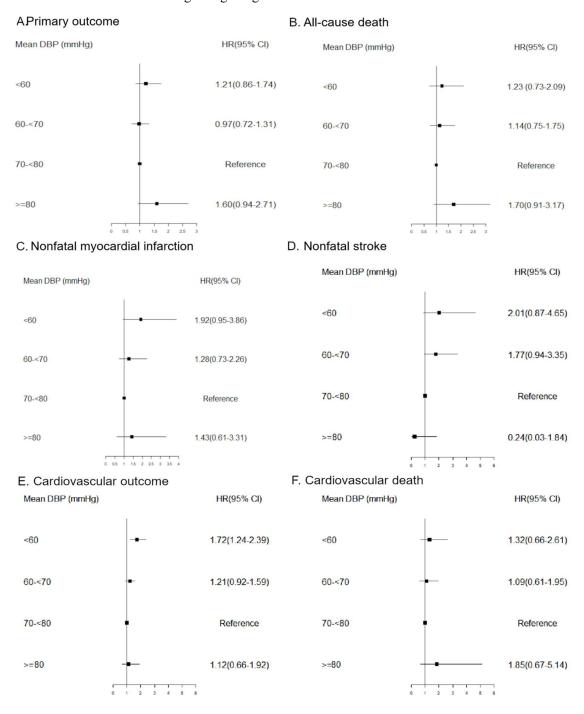
Primary outcome consisted of all-cause death, nonfatal myocardial infarction and nonfatal stroke. Cardiovascular outcome was composed of cardiovascular death, nonfatal myocardial infarction and nonfatal stroke. The reference is DBP value of 70 to <80mmHg. CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; SBP, systolic blood pressure.

eFigure 2. Adjusted Hazard Ratios for Mean Achieved DBP and Outcomes at Achieved SBP of Less Than 130 mm Hg in ACCORD-BP Trial



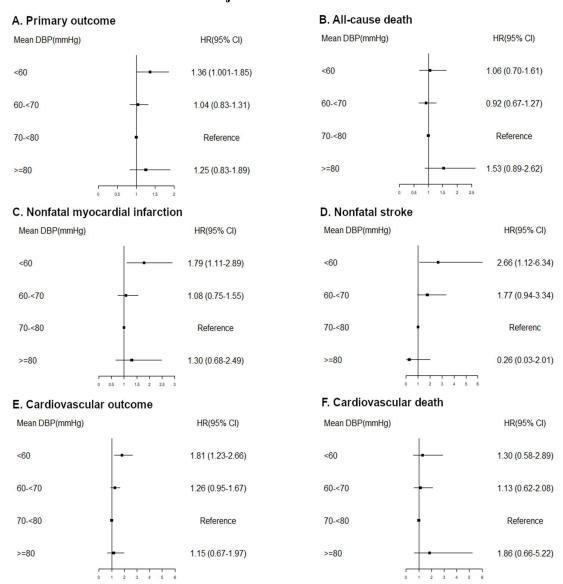
Primary outcome consisted of all-cause death, nonfatal myocardial infarction and nonfatal stroke. Cardiovascular outcome was composed of cardiovascular death, nonfatal myocardial infarction and nonfatal stroke. CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; SBP, systolic blood pressure.

eFigure 3. Adjusted Hazard Ratios for Mean Achieved DBP and Outcomes at Achieved SBP of 110 to Less Than 130 mm Hg Using Integrated Data From SPRINT and ACCORD-BP



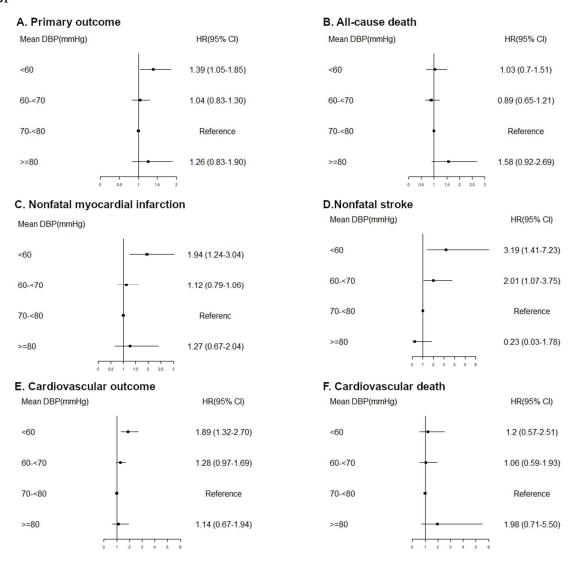
Primary outcome consisted of all-cause death, nonfatal myocardial infarction and nonfatal stroke. Cardiovascular outcome was composed of cardiovascular death, nonfatal myocardial infarction and nonfatal stroke. The reference is DBP value of 70 to <80mmHg. CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; SBP, systolic blood pressure.

eFigure 4. Adjusted Hazard Ratios for Mean Achieved DBP and Outcomes at Achieved SBP of Less Than 130 mm Hg Using Integrated Data From SPRINT and ACCORD-BP After Additional Adjustment of Baseline PP and Baseline DBP



Primary outcome consisted of all-cause death, nonfatal myocardial infarction and nonfatal stroke. Cardiovascular outcome was composed of cardiovascular death, nonfatal myocardial infarction and nonfatal stroke. The reference is DBP value of 70 to <80mmHg. CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; PP, pulse pressure; SBP, systolic blood pressure.

eFigure 5. Adjusted Hazard Ratios for Mean Achieved DBP and Outcomes at Achieved SBP of Less Than 130 mm Hg Using Integrated Data From SPRINT and ACCORD-BP After Additional Adjustment of Baseline PP, Baseline SBP, and Treated SBP



Primary outcome consisted of all-cause death, nonfatal myocardial infarction and nonfatal stroke. Cardiovascular outcome was composed of cardiovascular death, nonfatal myocardial infarction and nonfatal stroke. The reference is DBP value of 70 to <80mmHg. CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; PP, pulse pressure; SBP, systolic blood pressure.

eTable 1. Event Rates of the Primary and Secondary Outcomes Across Different Treated DBP Groups in Patients With Achieved SBP of Less Than 130 mm Hg

DBP groups	<60mmHg	60-<70mmHg	70-<80mmHg	≥80mmHg	
Outcomes	(n=1244)	(n=3250)	(n=2545)	(n=476)	
Primary outcome*	168 (13.5)	261 (8.0)	149(5.9)	29 (6.1)	
All-cause death	92 (7.4)	138 (4.2)	77(3.0)	18 (3.8)	
Nonfatal myocardial infarction	72 (5.8)	100 (3.1)	61 (2.4)	12 (2.5)	
Nonfatal stroke	20 (1.6)	38 (1.2)	18 (0.7)	1 (0.2)	
Cardiovascular outcome#	111 (8.9)	175 (5.4)	92 (3.6)	17 (3.6)	
Cardiovascular death	28 (2.3)	41 (1.3)	19 (0.7)	5 (1.1)	

^{*} Primary outcome was composed of all-cause death, nonfatal myocardial infarction and nonfatal stroke

DBP, diastolic blood pressure; SBP, systolic blood pressure.

[#] Cardiovascular outcome was composed of cardiovascular death, nonfatal myocardial infarction and nonfatal stroke.

eTable 2. Adjusted Hazard Ratios for Mean Achieved DBP and Outcomes at Achieved SBP of Less Than 130 mm Hg in ACCORD-BP Trial in Intensive and Standard Glycemic Control Group

	Mean achieved	Intensive glycemic	Standard glycemic	
Outcomes	DBP (mmHg)	control group, HR	control group, HR	
		(95% CI)	(95% CI)	
	< 60	1.18 (0.72, 1.96)	1.38 (0.85, 2.24)	
*	60-<70	0.91 (0.59, 1.39)	1.02 (0.67, 1.53)	
Primary outcome*	70-<80	reference	Reference	
	≥80	1.14 (0.40, 3.28)	0.99 (0.30, 3.25)	
	< 60	1.43 (0.70, 2.92)	0.81(0.41, 1.60)	
	60-<70	1.07 (0.57, 2.03)	0.64 (0.36, 1.15)	
All-cause death	70-<80	Reference	Reference	
	≥80	1.23 (0.27, 5.56)	0.54 (0.07, 4.08)	
N. C. 1	< 60	0.94 (0.45, 1.98)	2.51 (1.23, 5.11)	
Nonfatal	60-<70	0.66 (0.36, 1.22)	1.31 (0.71, 2.45)	
myocardial	70-<80	Reference	Reference	
infarction	≥80	1.04 (0.23, 4.68)	1.50 (0.34, 6.68)	
	< 60	1.24 (0.10, 15.13)	2.32 (0.43, 12.44)	
Nonfatal stroke	60-<70	4.45 (1.01, 19.61)	2.52 (0.61, 10.32)	
Nontatal stroke	70-<80	Reference	Reference	
	≥80	5.03 (0.42, 59.97)	-	
	< 60	1.30 (0.70, 2.41)	2.03 (1.12, 3.67)	
Cardiovascular	60-<70	1.04 (0.62, 1.72)	1.34 (0.80, 2.23)	
outcome [#]	70-<80	Reference	Reference	
	≥80	1.64 (0.55, 4.91)	1.03 (0.24, 4.46)	
	< 60	2.90 (0.72, 11.65)	0.86 (0.24, 3.08)	
Cardiovascular	60-<70	2.02 (0.55, 7.39)	0.71 (0.25, 2.05)	
death	70-<80	Reference	Reference	
	≥80	7.13 (1.08, 47.23)	-	

^{*} Primary outcome was composed of all-cause death, nonfatal myocardial infarction and nonfatal stroke

CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; SBP, systolic blood pressure.

[#] Cardiovascular outcome was composed of cardiovascular death, nonfatal myocardial infarction and nonfatal stroke.

eTable 3. Effects of Intensive SBP Control in SPRINT on the SPRINT Primary and Secondary Outcomes in Baseline DBP of Less Than 60 mm Hg and Baseline DBP of Greater Than 60 mm Hg Subgroup

	Baseline DBP <60	Baseline DBP ≥60	P for
	mmHg (n=538)	mmHg (n=8823)	interaction
Primary outcome*	0.784		
No.(%) of events	52 (9.7)	510 (5.8)	
HR (95% CI)	0.96 (0.56, 1.66)	0.74 (0.62, 0.88)	
All-cause death			0.290
No.(%) of events	36 (6.7)	329 (3.7)	
HR (95% CI)	1.25 (0.65, 2.34)	0.70 (0.56, 0.87)	
Cardiovascular death			0.200
No.(%) of events	5(0.9)	97 (1.1)	
HR (95% CI)	1.69 (0.28, 10.12)	0.53 (0.35, 0.81)	
Average on-treatment DBP	59 9(7 7)	72.4 (8.8)	
(mmHg), mean (SD)	58.8(7.7)	72.4 (8.8)	-
On-treatment DBP < 60 mmHg,	316 (59.5)	694(8.0)	
n (%)	310 (39.3)	034(8.0)	-

^{*} SPRINT primary outcome, composed of myocardial infarction, other acute coronary syndromes, stroke, heart failure, or death from cardiovascular causes.

CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; SD, standard deviation.

eTable 4. Effects of Intensive SBP Control in ACCORD-BP on the ACCORD-BP Primary and Secondary Outcomes in Baseline DBP of Less Than 60 mm Hg and Baseline DBP of Greater Than 60 mm Hg Subgroup

	Baseline DBP <60	Baseline DBP ≥60	P for
	mmHg (n=261)	mmHg (n= 4470)	interaction
Primary outcome*	0.688		
No.(%) of events	45 (17.2)	400 (8.9)	
HR (95% CI)	0.78 (0.43, 1.41)	0.91 (0.74, 1.10)	
All-cause death			
No.(%) of events	36 (13.8)	258 (5.8)	
HR (95% CI)	2.00 (1.001, 4.00)	1.00 (0.78, 1.27)	
Cardiovascular death	0.175		
No.(%) of events	18 (6.9)	100 (2.2)	
HR (95% CI)	1.25 (0.49, 3.16)	1.04 (0.70, 1.54)	
Average on-treatment	58.91 (6.37)	60.20 (7.68)	-
DBP(mmHg), mean (SD)	30.31 (0.37)	69.29 (7.68)	
On-treatment DBP <60 mmHg,	155 (59.8)	513 (11.6)	
n (%)	155 (59.6)	313 (11.0)	=

^{*} ACCORD-BP primary outcome, composed of nonfatal myocardial infarction, nonfatal stroke, or death from cardiovascular causes.

CI, confidence interval; DBP, diastolic blood pressure; HR, hazard ratios; SD, standard deviation.

eTable 5. Percentage of Patients Who Achieved Treated DBP of Less Than 60 mm Hg Across Baseline DBP Quintiles in Both SPRINT and ACCORD-BP

	Trial	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5
. 1 . 1	CDDINIT	<68 mmHg	68-74 mmHg	75-80 mmHg	81-87 mm Hg	≥88 mm Hg
Achieved	SPRINT	672 (39.0)	222 (11.9)	78(4.4)	30(1.6)	8(0.4)
DBP <60	ACCOR	<67 mmHg	67-73 mmHg	73-78 mmHg	78-85 mmHg	>85 mmHg
mmHg	D-BP	385 (44.7)	150 (16.6)	67 (7.5)	51(4.6)	15 (1.6)

DBP, diastolic blood pressure