Appendix Table 1. Coefficients (se) of multivariable linear regression for systolic blood pressure among men, NHANES 2005–2010

	Self-reported non-hypertension			Self-reported hypertension		
	Coefficients	se	p-value*	Coefficients	se	p-value*
Constant	115.67	1.64	**<0.001**	126.08	2.34	**<0.001**
Age (years)						
30-34	Ref			Ref		
35-39	0.71	0.76	0.357	-0.20	1.89	0.914
40-44	0.75	0.68	0.271	-0.19	1.69	0.911
45-49	1.13	0.87	0.202	1.23	2.25	0.587
50-54	6.12	1.02	**<0.001**	2.85	1.79	0.118
55-59	4.27	1.07	**<0.001**	4.99	2.38	0.042
60-65	10.67	1.27	**<0.001**	8.00	2.10	**<0.001**
65-69	10.12	2.25	**<0.001**	5.93	2.35	0.015
70-74	12.10	2.11	**<0.001**	10.07	2.58	**<0.001**
Race-ethnicity [a]						
Non-Hispanic white	Ref			Ref		
Non-Hispanic black	2.17	0.76	**0.006**	6.60	1.43	**<0.001**
Mexican American	-0.70	0.67	0.303	2.41	1.30	0.070
Other	-0.69	1.26	0.587	-0.81	2.30	0.726
Educational attainment						
<High School	Ref			Ref		
High School graduate	-0.50	0.74	0.503	1.22	1.56	0.440
Some College	-1.04	0.77	0.182	-1.12	1.34	0.405
≥College graduate	-2.73	0.91	**0.004**	-1.34	1.67	0.427
Income						
<$35k	0.64	0.65	0.328	0.99	1.29	0.446
≥ $35k	Ref			Ref		
Missing income	-0.80	0.92	0.389	1.31	2.19	0.554
Insurance						
Yes	Ref			Ref		
No	0.63	0.67	0.356	2.28	1.94	0.245
Smoker						
Never	Ref			Ref		
Current	0.43	0.55	0.437	2.23	1.67	0.187
Former	-0.87	0.70	0.224	-1.20	1.52	0.436
Alcohol consumption						
None	Ref			Ref		
<1/day	1.63	0.66	**0.017**	-0.61	1.23	0.625
≥1/day	4.04	0.77	**0.001**	1.97	1.41	0.168
missing alcohol	0.57	0.75	0.450	2.81	1.74	0.112
Physical Activity						
Inactive	Ref			Ref		
Active/not meeting	-0.27	0.72	0.704	1.24	1.73	0.476

recommendations						
Active/meeting recommendations	-0.40	0.59	0.498	1.53	1.05	0.150
Diabetes						
Yes	Ref			Ref		
No	2.13	1.22	0.086	0.71	1.35	0.600
Blood Pressure Medication use						
No				Ref		
Yes				-4.28	1.32	**<0.001**
Centered Log BMI [b,c]	11.06	1.77	**<0.001**	5.54	3.17	0.087

[*]Note: Boldface indicates statistically significant differences from Ref. after controlling for the false discovery rate at 5.0% for multiple comparisons; all tests 2-tailed.

[a] We used "Mexican American" in NHANES 2005-2010 to approximate the "Hispanic" in BRFSS 2009 because the detailed information on race-ethnicity was not available in BRFSS.

[b] BMI, body mass index is calculated as weight in kilograms divided by height in meters squared.

[c] Log BMI was centered to the group mean of 3.32 and 3.42 for self-reported non-hypertension and self-reported hypertension, respectively.

Appendix Table 2. Coefficients (se) of multivariable linear regression for systolic blood pressure among women NHANES 2005–2010

	Self-reported non-hypertension			Self-reported hypertension		
	Coefficients	se	p-value*	Coefficients	se	p-value*
Constant	110.55	1.64	**<0.001**	116.92	2.81	**<0.001**
Age (years)						
30-34	Ref			Ref		
35-39	0.33	0.69	0.631	3.89	2.25	0.089
40-44	2.86	0.54	**<0.001**	9.52	1.83	**<0.001**
45-49	6.48	0.89	**<0.001**	11.81	2.27	**<0.001**
50-54	8.20	1.10	**<0.001**	12.68	2.68	**<0.001**
55-59	11.74	1.17	**<0.001**	16.34	2.42	**<0.001**
60-65	16.24	1.33	**<0.001**	18.55	2.23	**<0.001**
65-69	17.16	1.52	**<0.001**	20.09	2.22	**<0.001**
70-74	23.75	2.17	**<0.001**	23.37	2.93	**<0.001**
Race-ethnicity [a]						
Non-Hispanic white	Ref			Ref		
Non-Hispanic black	3.48	0.95	**0.001**	4.63	1.06	**<0.001**
Mexican American	-0.77	0.69	0.272	1.65	1.13	0.151
Other	0.58	1.24	0.645	3.12	1.88	0.104
Education attainment						
<High School	Ref			Ref		
High School graduate	0.14	0.96	0.888	-2.43	2.06	0.245
Some College	-0.04	1.02	0.969	-0.93	1.52	0.543
≥College graduate	-3.13	0.96	**0.002**	-5.74	1.95	**0.005**
Income						
<$35k	-0.20	0.70	0.776	4.40	1.39	**0.003**
≥ $35k	Ref			Ref		
Missing income	-0.89	1.32	0.505	-1.07	1.97	0.590
Insurance						
Yes	Ref			Ref		
No	1.58	0.78	0.047	3.30	2.48	0.189
Smoking status						
Never	Ref			Ref		
Current	-0.34	0.58	0.562	-0.48	1.72	0.781
Former	-0.79	0.87	0.369	0.29	1.31	0.824
Alcohol consumption						
None	Ref			Ref		
<1/day	1.00	0.69	0.155	0.67	1.45	0.648
≥1/day	1.71	1.01	0.098	3.82	1.97	0.058
missing alcohol	0.99	0.88	0.266	1.98	1.99	0.325
Physical Activity						
Inactive	Ref			Ref		

Active/not meetings recommendation	0.60	1.04	0.564	1.24	0.92	0.182
Active/meeting recommendation	-0.25	0.55	0.649	1.51	1.19	0.209
Diabetes						
Yes	Ref			Ref		
No	-0.87	1.26	0.495	0.40	1.60	0.805
Blood Pressure Medication use						
No				Ref		
Yes				-5.56	1.26	**<0.001**
Centered Log BMI [b,c]	13.04	1.34	**<0.001**	1.18	3.12	0.707

[*]Note: Boldface indicates statistically significant differences from Ref. after controlling for the false discovery rate at 5.0% for multiple comparisons; all tests 2-tailed

[a] We used "Mexican American" in NHANES 2005-2010 to approximate the "Hispanic" in BRFSS 2009 because the detailed information on race-ethnicity was not available in BRFSS.

[b] BMI, body mass index is calculated as weight in kilograms divided by height in meters squared

[c] Log BMI was centered to the group mean of 3.29 and 3.44 for self-reported non-hypertension and self-reported hypertension, respectively.

Appendix Table 3. Characteristics of participants 30–74 years of age, NHANES 2005–2010

Characteristics	N	Men	N	Women	p-value [*]
Mean age, years (95% CI)	5067	47.9 (47.3 - 48.4)	5354	49.2 (48.7 - 49.7)	**<0.001**
Race-ethnicity, % (95% CI)					
Non-Hispanic white	2372	70.6 (66.7 - 74.3)	2421	70.0 (65.8 - 73.9)	
Non-Hispanic black	1077	10.3 (8.7 - 12.2)	1140	12.1 (10.0 - 14.6)	
Mexican American	1378	13.0 (10.6 - 15.8)	1543	11.6 (9.5 - 14.2)	
Others	240	6.1 (4.9 - 7.6)	250	6.3 (5.2 - 7.6)	**<0.001**
Educational attainment, % (95% CI)					
<High school	1395	17.5 (15.6 - 19.6)	1148	17.1 (15.4 - 18.6)	
High school	1231	24.7 (22.9 - 26.6)	1184	22.8 (21.4 - 24.2)	
>High school	2435	57.7 (55.0 - 60.4)	2677	60.3 (58.2 - 62.2)	**0.021**
Household income, % (95% CI)					
<$35K	1703	24.6 (22.3 - 27.0)	2111	30.0 (27.6 - 32.6)	
≥$35k	2945	75.4 (73.0 - 77.7)	2804	70.0 (67.4 - 72.4)	**<0.001**
Smoking status, % (95% CI)					
Current smoking	1362	24.6 (22.7 - 26.5)	1031	19.3 (17.9 - 20.9)	
Former	1479	27.9 (25.8 - 29.9)	1050	21.8 (20.2 - 23.4)	
Never	2296	47.6 (45.2 - 50.0)	3273	58.9 (57.0 - 60.7)	**<0.001**
BMI,[a] % (95% CI)					
<25.0 kg/m^2	1184	23.1 (21.5 - 24.9)	1493	34.4 (32.6 - 36.3)	
25.0–29.9 kg/m^2	2088	41.7 (40.1 - 43.3)	1573	27.9 (26.3 - 29.6)	
≥30.0 kg/m^2	1795	35.2 (33.1 - 37.3)	2288	37.7 (36.1 - 39.3)	**<0.001**
Diabetes, % (95% CI)					
Yes	569	8.1 (7.2 - 9.1)	639	8.2 (7.3 - 9.3)	
No	4498	91.9 (90.9 - 92.8)	4715	91.8 (90.7 - 92.7)	0.840
Hypertension, % (95% CI)					
No	3446	70.9 (68.6 – 73.0)	3482	69.1 (67.4 - 70.8)	
Yes	1621	29.1 (27.0 – 31.4)	1872	30.9 (29.2 – 32.6)	
Taking anti-hypertensive medication	1125	67.2 (63.3 – 70.8)	1467	76.8 (73.8 – 79.7)	0.151
Systolic blood pressure (mmHg), mean (measured) (95% CI)	4863	123.7 (123.2 - 124.3)	5103	120.2 (119.5-120.9)	**<0.001**

[*] Note: Boldface indicates significant p-value after controlling for the false discovery rate at 5.0% for multiple comparisons; comparisons were made between men and women based on t-tests for the continuous variables and χ^2-tests for the categorical variables; all tests 2-tailed.

[a] BMI, body mass index is calculated as weight in kilograms divided by height in meters squared.

Appendix Table 4. Distribution of predicted 10-year cardiovascular disease risk scores for men 30–74 years of age, NHANES 2005–2010

Characteristics	N	CVD Predicted Risk Scores[a]		CHD Predicted Risk Score[a]		Stroke Predicted Risk Score[a,b]
		Mean (95% CI)	Risk scores ≥20%, prevalence (95% CI)	Mean (95% CI)	Risk scores ≥20%, prevalence (95% CI)	Mean (95% CI)
Total	5067	14.6 (14.1 - 15.2)	25.1 (23.3 - 27.1)	10.5 (10.1 - 10.9)	14.1 (13.1 - 15.3)	2.3 (2.2 - 2.4)
Age						
30-39	1315	4.4 (4.3 - 4.6)	0.4 (0.2 - 0.7)	3.2 (3.1 - 3.3)	0.03 (0.00 - 0.23)	0.70 (0.68 - 0.73)
40-49	1276	9.8 (9.4 - 10.2)	4.9 (3.6 - 6.5)	7.0 (6.7 - 7.3)	1.5 (0.9 - 2.4)	1.55 (1.49 - 1.62)
50-59	1125	18.4 (17.9 - 18.9)	35.0 (31.8 - 38.2)	13.2 (12.8 - 13.6)	11.9 (10.1 - 14.0)	2.9 (2.8 - 3.0)
60-74	1351	33.8 (33.0 - 34.8)	84.7 (81.7 - 87.2)	24.3 (23.6 - 24.9)	61.4 (58.1 - 64.5)	5.4 (5.2 - 5.5)
Race-ethnicity						
Non-Hispanic white	2372	15.2 (14.5 - 15.9)	26.6 (24.1 - 29.2)	10.9 (10.4 - 11.4)	15.0 (13.6 - 16.6)	2.4 (2.3 - 2.5)
Non-Hispanic black	1077	16.7 (15.8 - 17.7)	28.7 (25.5 - 32.1)	12.0 (11.3 - 12.7)	18.3 (15.8 - 21.1)	2.7 (2.5 - 2.8)
Mexican American	1378	11.2 (10.3 - 12.2)	16.1 (13.8 - 18.7)	8.1 (7.4 - 8.8)	9.1 (7.6 - 11.0)	1.8 (1.6 - 1.9)
Other	240	12.1 (10.7 - 13.5)	20.6 (15.5 - 26.8)	8.7 (7.6 - 9.7)	7.6 (4.9 - 11.6)	1.9 (1.7 - 2.1)
Educational attainment						
<High school	1395	16.7 (15.8 - 17.6)	29.9 (26.7 - 33.2)	12.0 (11.3 - 12.6)	19.0 (16.6 - 21.6)	2.7 (2.5 - 2.8)
High school	1231	15.6 (14.4 - 16.7)	27.8 (24.3 - 31.6)	11.2 (10.4 - 12.0)	15.9 (13.1 - 19.1)	2.5 (2.3 - 2.7)
>High school	2435	13.6 (13.0 - 14.3)	22.4 (20.1 - 24.9)	9.8 (9.3 - 10.2)	11.9 (10.5 - 13.5)	2.2 (2.1 - 2.3)
Household income						
<$35K	1703	17.4 (16.3 - 18.5)	32.5 (29.2 - 36.0)	12.5 (11.7 - 13.3)	20.7 (18.3 - 23.5)	2.8 (2.6 - 2.9)
≥$35K	2945	13.7 (13.1 - 14.4)	22.7 (20.3 - 25.3)	9.9 (9.4 - 10.3)	12.0 (10.6 - 13.5)	2.2 (2.1 - 2.3)

Abbreviation: N, number of participants; CVD, cardiovascular disease; CHD, coronary heart disease; CI, confidence interval.

[a] Age-standardized by the direct method to the US 2000 census population using the age groups 30-39, 40-49, 50-59, and 60-74 years. Predicted 10 years cardiovascular disease risks were based on the measured systolic blood pressure.

[b] Stable estimates of risk score prevalence ≥20% for stroke could not be obtained due to the limited sample size.

Appendix Table 5. Distribution of predicted 10-year cardiovascular disease risk for women 30–74 years of age, NHANES 2005–2010

Characteristics	N	CVD Predicted Risk Scores[a]		CHD Predicted Risk Score[a]		Stroke Predicted Risk Score[a,b]
		Mean (95% CI)	Risk scores ≥ 20%, prevalence (95% CI)	Mean (95% CI)	Mean (95% CI)	Risk scores ≥ 20%, prevalence (95% CI)
Total	5354	8.1 (7.7 - 8.4)	9.4 (8.3 - 10.6)	4.9 (4.7 - 5.1)	2.8 (2.3 - 3.3)	1.9 (1.8 - 2.0)
Age						
30-39	1289	1.73 (1.65 - 1.81)	0.0	1.06 (1.01 - 1.10)	0.0	0.41 (0.39-0.43)
40-49	1391	4.3 (4.1 - 4.5)	0.8 (0.4 - 1.5)	2.6 (2.5 - 2.8)	0.0	1.02 (0.97 - 1.08)
50-59	1106	9.1 (8.6 - 9.6)	7.0 (5.2 - 9.5)	5.5 (5.2 - 5.8)	1.1 (0.7 - 2.0)	2.2 (2.1 - 2.3)
60-74	1568	19.0 (18.5 - 19.6)	33.9 (30.9 - 37.1)	11.6 (11.2 - 11.9)	11.4 (9.7 - 13.4)	4.5 (4.4 - 4.7)
Race-ethnicity						
Non-Hispanic white	2421	8.1 (7.6 - 8.5)	8.8 (7.5 - 10.3)	4.9 (4.6 - 5.2)	2.4 (1.8 - 3.1)	1.9 (1.8 - 2.0)
Non-Hispanic black	1145	10.3 (9.6 - 11.1)	15.2 (12.9 - 17.9)	6.3 (5.8 - 6.8)	5.9 (4.7 - 7.4)	2.5 (2.3 - 2.6)
Mexican American	1543	6.6 (6.1 - 7.1)	8.2 (6.8 - 9.8)	4.0 (3.7 - 4.3)	2.7 (2.2 - 3.4)	1.6 (1.5 - 1.7)
Others	250	6.7 (5.7 - 7.8)	7.2 (4.5 - 11.1)	4.1 (3.5 - 4.7)	1.3 (0.5 - 3.3)	1.6 (1.4 - 1.9)
Educational attainment						
<High school	1484	11.1 (10.3 - 11.9)	19.1 (16.6 - 21.8)	6.7 (6.2 - 7.2)	6.9 (5.6 - 8.5)	2.6 (2.4 - 2.8)
High school	1184	9.4 (8.8 - 10.1)	11.9 (9.4 - 14.8)	5.7 (5.4 - 6.1)	3.1 (2.2 - 4.3)	2.2 (2.1 - 2.4)
>High school	2677	6.7 (6.3 - 7.1)	5.7 (4.7 - 7.0)	4.1 (3.9 - 4.3)	1.5 (1.1 - 2.0)	1.6 (1.5 - 1.7)
Household income						
<$35K	2111	10.8 (10.2 - 11.4)	17.6 (15.6 - 19.8)	6.6 (6.2 - 7.0)	5.8 (4.7 - 7.1)	2.6 (2.4 - 2.7)
≥$35K	2804	6.8 (6.5 - 7.1)	5.8 (4.9 - 6.9)	4.2 (4.0 - 4.3)	1.3 (1.0 - 1.7)	1.63 (1.56 - 1.70)

Abbreviation: N, number of participants; CVD, cardiovascular disease; CHD, coronary heart disease; CI, confidence interval.

[a] Age-standardized by the direct method to the US 2000 census population using the age groups 30-39, 40-49, 50-59, and 60-74 years. Predicted 10 years cardiovascular disease risks were based on the measured systolic blood pressure.

[b] Stable estimates of risk score prevalence ≥20% for stroke could not be obtained due to the limited sample size.

Appendix Table 6. Age-standardized predicted 10-year risk of developing cardiovascular disease (95% confidence interval) for men 30–74 years of age by state, BRFSS 2009

State	CVD[a] N	CVD Predicted Risk Scores[a] Mean (95% CI)	Risk scores ≥ 20%, prevalence (95% CI)	CHD Predicted Risk Score[a] Mean (95% CI)	Mean (95% CI)	Stroke Predicted Risk Score[a,b] Risk scores ≥ 20%, prevalence (95% CI)
Alabama	1385	15.9 (15.4 - 16.4)	29.0 (27.2 - 30.9)	11.4 (11.0 - 11.8)	18.3 (16.6 - 20.2)	2.5 (2.4 - 2.6)
Alaska	789	13.7 (13.1 - 14.4)	23.0 (20.7 - 25.5)	9.9 (9.4 - 10.3)	12.5 (10.2 - 15.3)	2.2 (2.1 - 2.3)
Arizona	1328	14.0 (13.4 - 14.7)	24.1 (21.5 - 26.9)	10.1 (9.6 - 10.6)	13.4 (11.7 - 15.2)	2.2 (2.1 - 2.3)
Arkansas	885	15.1 (14.6 - 15.7)	27.2 (25.3 - 29.2)	10.9 (10.5 - 11.3)	16.4 (14.7 - 18.2)	2.4 (2.3 - 2.5)
California	4507	14.2 (13.8 - 14.5)	23.3 (22.4 - 24.3)	10.2 (9.9 - 10.4)	13.8 (12.9 - 14.7)	2.3 (2.2 - 2.3)
Colorado	3485	13.3 (13.0 - 13.6)	21.6 (20.5 - 22.7)	9.5 (9.3 - 9.8)	11.6 (10.7 - 12.5)	2.1 (2.1 - 2.2)
Connecticut	1675	13.5 (13.1 - 13.9)	21.6 (20.2 - 23.1)	9.7 (9.4 - 10.0)	13.2 (12.0 - 14.5)	2.1 (2.1 - 2.2)
Delaware	1069	14.5 (14.0 - 15.0)	25.8 (23.7 - 28.0)	10.4 (10.1 - 10.8)	14.6 (12.8 - 16.5)	2.3 (2.2 - 2.4)
District of Columbia	1098	13.6 (13.0 - 14.1)	22.3 (20.6 - 24.1)	9.7 (9.3 - 10.1)	13.7 (12.2 - 15.3)	2.2 (2.1 - 2.2)
Florida	2894	14.7 (14.2 - 15.1)	26.0 (24.3 - 27.8)	10.6 (10.2 - 10.9)	15.4 (14.0 - 17.0)	2.3 (2.3 - 2.4)
Georgia	1490	15.3 (14.9 - 15.8)	26.9 (25.3 - 28.5)	11.0 (10.7 - 11.4)	16.7 (15.4 - 18.2)	2.4 (2.4 - 2.5)
Hawaii	1976	13.8 (13.3 - 14.2)	23.9 (22.3 - 25.6)	9.9 (9.6 - 10.2)	13.2 (11.9 - 14.6)	2.2 (2.1 - 2.3)
Idaho	1509	13.7 (13.2 - 14.1)	22.4 (21.0 - 23.8)	9.8 (9.5 - 10.1)	13.2 (12.0 - 14.6)	2.2 (2.1 - 2.2)
Illinois	1561	14.1 (13.7 - 14.5)	25.5 (24.0 - 27.1)	10.1 (9.8 - 10.4)	14.2 (12.8 - 15.6)	2.2 (2.2 - 2.3)
Indiana	2357	15.1 (14.8 - 15.5)	25.8 (24.5 - 27.0)	10.9 (10.6 - 11.1)	15.9 (14.8 - 17.0)	2.4 (2.4 - 2.5)
Iowa	1615	14.3 (13.9 - 14.7)	24.4 (23.0 - 25.8)	10.3 (10.0 - 10.5)	14.6 (13.3 - 15.9)	2.3 (2.2 - 2.3)
Kansas	5065	14.2 (14.0 - 14.4)	24.1 (23.3 - 24.9)	10.2 (10.1 - 10.4)	14.3 (13.7 - 15.0)	2.3 (2.2 - 2.3)
Kentucky	1909	16.2 (15.6 - 16.9)	29.1 (27.1 - 31.2)	11.6 (11.1 - 12.0)	19.4 (17.4 - 21.5)	2.6 (2.5 - 2.7)
Louisiana	1937	16.2 (15.8 - 16.7)	29.4 (27.9 - 31.0)	11.7 (11.3 - 12.0)	18.7 (17.4 - 20.1)	2.6 (2.5 - 2.7)
Maine	2186	13.8 (13.4 - 14.1)	23.2 (22.1 - 24.4)	9.9 (9.6 - 10.1)	12.9 (12.0 - 14.0)	2.2 (2.1 - 2.2)
Maryland	2251	14.4 (14.0 - 14.9)	24.3 (22.9 - 25.7)	10.4 (10.1 - 10.7)	14.8 (13.6 - 16.1)	2.3 (2.2 - 2.4)
Massachusetts	4306	13.8 (13.5 - 14.1)	23.7 (22.7 - 24.7)	9.9 (9.7 - 10.1)	14.2 (13.2 - 15.2)	2.2 (2.1 - 2.2)
Michigan	2352	15.0 (14.7 - 15.4)	25.5 (24.3 - 26.7)	10.8 (10.5 - 11.0)	15.2 (14.2 - 16.3)	2.4 (2.3 - 2.4)
Minnesota	1502	13.9 (13.5 - 14.3)	24.3 (23.0 - 25.7)	10.0 (9.7 - 10.2)	14.0 (12.8 - 15.4)	2.2 (2.1 - 2.3)
Mississippi	2457	16.2 (15.8 - 16.6)	29.8 (28.3 - 31.3)	11.6 (11.4 - 11.9)	17.6 (16.5 - 18.8)	2.6 (2.5 - 2.6)
Missouri	1305	14.9 (14.3 - 15.5)	26.3 (24.3 - 28.4)	10.7 (10.3 - 11.1)	15.6 (13.8 - 17.6)	2.4 (2.3 - 2.5)

	N				
Montana	2269	13.4 (13.1 - 13.7)	21.9 (20.7 - 23.2)	9.9 (9.4 - 9.9)	12.5 (11.5 - 13.6)	2.1 (2.1 - 2.2)
Nebraska	4219	14.0 (13.7 - 14.4)	24.1 (22.8 - 25.4)	10.1 (9.8 - 10.3)	13.9 (12.9 - 15.1)	2.2 (2.2 - 2.3)
Nevada	1066	14.5 (13.8 - 15.3)	25.7 (23.3 - 28.2)	10.4 (9.9 - 11.0)	15.1 (13.2 - 17.1)	2.3 (2.2 - 2.4)
New Hampshire	1675	13.7 (13.3 - 14.1)	23.1 (21.5 - 24.7)	9.9 (9.6 - 10.1)	12.9 (11.7 - 14.3)	2.2 (2.1 - 2.2)
New Jersey	3389	14.4 (14.0 - 14.7)	23.9 (22.7 - 25.2)	10.3 (10.0 - 10.5)	14.8 (13.6 - 16.0)	2.3 (2.2 - 2.3)
New Mexico	2396	13.9 (13.6 - 14.3)	24.2 (22.9 - 25.5)	10.0 (9.7 - 10.2)	14.2 (13.1 - 15.3)	2.2 (2.2 - 2.3)
New York	1834	14.2 (13.8 - 14.7)	24.6 (22.9 - 26.4)	10.2 (9.9 - 10.5)	14.4 (12.9 - 15.9)	2.3 (2.2 - 2.3)
North Carolina	3409	15.0 (14.7 - 15.4)	26.7 (25.4 - 28.1)	10.8 (10.5 - 11.0)	16.3 (15.1 - 17.5)	2.4 (2.3 - 2.4)
North Dakota	1334	14.3 (14.0 - 14.7)	24.9 (23.6 - 26.4)	10.3 (10.0 - 10.6)	15.0 (13.8 - 16.4)	2.3 (2.2 - 2.3)
Ohio	2573	14.7 (14.4 - 15.0)	25.9 (24.7 - 27.2)	10.6 (10.3 - 10.8)	15.5 (14.4 - 16.6)	2.3 (2.3 - 2.4)
Oklahoma	1826	15.6 (15.2 - 16.0)	28.3 (26.9 - 29.7)	11.2 (10.9 - 11.5)	16.5 (15.4 - 17.8)	2.5 (2.4 - 2.5)
Oregon	1168	13.7 (13.2 - 14.1)	22.7 (21.0 - 24.5)	9.9 (9.5 - 10.2)	12.6 (11.3 - 14.1)	2.2 (2.1 - 2.2)
Pennsylvania	2309	14.6 (14.2 - 15.0)	25.1 (23.7 - 26.5)	10.5 (10.2 - 10.8)	15.2 (14.1 - 16.5)	2.3 (2.3 - 2.4)
Rhode Island	1594	13.7 (13.4 - 14.1)	23.3 (21.9 - 24.7)	9.8 (9.6 - 10.1)	13.9 (12.7 - 15.3)	2.2 (2.1 - 2.2)
South Carolina	2472	15.0 (14.5 - 15.4)	26.3 (24.6 - 28.0)	10.8 (10.4 - 11.1)	16.2 (14.7 - 17.8)	2.4 (2.3 - 2.5)
South Dakota	1741	14.0 (13.6 - 14.4)	24.5 (23.1 - 26.0)	10.0 (9.8 - 10.3)	14.6 (13.4 - 15.9)	2.2 (2.2 - 2.3)
Tennessee	1166	15.3 (14.7 - 15.9)	26.8 (24.9 - 28.8)	11.0 (10.6 - 11.4)	15.2 (13.6 - 16.9)	2.4 (2.3 - 2.5)
Texas	2955	15.0 (14.5 - 15.4)	25.1 (23.6 - 26.7)	10.8 (10.4 - 11.1)	15.5 (14.2 - 16.8)	2.4 (2.3 - 2.5)
Utah	3123	13.2 (12.9 - 13.5)	22.0 (20.8 - 23.1)	9.6 (9.3 - 9.7)	12.1 (11.1 - 13.1)	2.1 (2.1 - 2.1)
Vermont	1987	13.3 (13.0 - 13.6)	21.6 (20.4 - 22.9)	9.6 (9.3 - 9.8)	11.8 (10.8 - 12.9)	2.1 (2.1 - 2.2)
Virginia	1485	14.2 (13.7 - 14.7)	23.7 (22.0 - 25.5)	10.2 (9.8 - 10.5)	13.7 (12.1 - 15.4)	2.3 (2.2 - 2.3)
Washington	5787	13.8 (13.6 - 14.0)	22.8 (22.0 - 23.5)	9.9 (9.7 - 10.0)	13.2 (12.6 - 13.9)	2.2 (2.2 - 2.2)
West Virginia	1200	16.0 (15.5 - 16.5)	27.9 (26.2 - 29.6)	11.4 (11.1 - 11.8)	17.5 (16.1 - 19.1)	2.5 (2.5 - 2.6)
Wisconsin	1419	14.7 (14.1 - 15.3)	27.4 (25.3 - 29.6)	10.5 (10.1 - 10.9)	14.6 (12.9 - 16.5)	2.3 (2.2 - 2.4)
Wyoming	1721	14.1 (13.7 - 14.5)	23.6 (22.2 - 25.0)	10.1 (9.8 - 10.4)	13.9 (12.7 - 15.2)	2.2 (2.2 - 2.3)

Abbreviation: N, number of participants; CVD, cardiovascular disease; CHD, coronary heart disease; CI, confidence interval.

[a] Age standardized to 2000 U.S. population distribution of 30–39, 40–49, 50–59, 60–74 years.

[b] Stable estimates of risk score prevalence ≥20% for stroke could not be obtained due to the limited sample size.

Appendix Table 7. Age-standardized predicted 10-year risk of developing cardiovascular disease (95% confidence interval) for women 30–74 years of age by state, BRFSS 2009

State	N	CVD Predicted Risk Scores[a]		CHD Predicted Risk Score[a]		Stroke Predicted Risk Score[a,b]
		Mean (95% CI)	Risk scores $\geq$ 20%, prevalence (95% CI)	Mean (95% CI)	Mean (95% CI)	Risk scores $\geq$ 20%, prevalence (95% CI)
Alabama	3109	8.3 (8.0 - 8.6)	10.5 (9.6 - 11.5)	5.1 (4.9 - 5.2)	4.0 (3.4 - 4.7)	2.0 (1.9 - 2.0)
Alaska	962	7.2 (6.7 - 7.8)	7.5 (5.8 - 9.5)	4.4 (4.1 - 4.7)	3.1 (2.0 - 4.9)	1.7 (1.6 - 1.9)
Arizona	2264	7.0 (6.7 - 7.4)	7.1 (6.0 - 8.4)	4.3 (4.1 - 4.5)	1.9 (1.4 - 2.7)	1.7 (1.6 - 1.8)
Arkansas	1741	7.9 (7.6 - 8.2)	9.6 (8.6 - 10.8)	4.8 (4.6 - 5.0)	3.0 (2.4 - 3.7)	1.9 (1.8 - 1.9)
California	6866	7.0 (6.9 - 7.2)	7.8 (7.2 - 8.5)	4.3 (4.2 - 4.4)	2.5 (2.1 - 2.9)	1.7 (1.6 - 1.7)
Colorado	5293	6.4 (6.3 - 6.6)	6.3 (5.8 - 6.9)	3.9 (3.8 - 4.0)	1.7 (1.4 - 2.1)	1.5 (1.5 - 1.6)
Connecticut	2768	6.8 (6.6 - 7.0)	6.7 (5.9 - 7.6)	4.1 (4.0 - 4.3)	1.8 (1.4 - 2.3)	1.6 (1.6 - 1.7)
Delaware	1897	7.2 (7.0 - 7.5)	8.4 (7.3 - 9.5)	4.4 (4.2 - 4.6)	2.7 (2.1 - 3.4)	1.7 (1.7 - 1.8)
District of Columbia	1642	7.6 (7.2 - 7.9)	8.8 (7.7 - 10.0)	4.6 (4.4 - 4.8)	3.3 (2.6 - 4.2)	1.8 (1.7 - 1.9)
Florida	4932	7.6 (7.3 - 7.8)	9.0 (8.2 - 9.9)	4.6 (4.4 - 4.8)	3.2 (2.6 - 3.8)	1.8 (1.7 - 1.9)
Georgia	2720	7.8 (7.5 - 8.0)	9.7 (8.8 - 10.7)	4.7 (4.6 - 4.9)	3.3 (2.7 - 4.0)	1.9 (1.8 - 1.9)
Hawaii	2748	6.7 (6.5 - 7.0)	6.8 (5.9 - 7.9)	4.1 (4.0 - 4.3)	2.1 (1.6 - 2.7)	1.6 (1.6 - 1.7)
Idaho	2232	6.9 (6.7 - 7.2)	7.8 (6.9 - 8.7)	4.2 (4.1 - 4.4)	2.4 (1.9 - 3.0)	1.6 (1.6 - 1.7)
Illinois	2538	7.1 (6.9 - 7.4)	7.4 (6.6 - 8.3)	4.3 (4.2 - 4.5)	2.1 (1.6 - 2.7)	1.7 (1.6 - 1.8)
Indiana	3978	8.1 (7.9 - 8.4)	10.2 (9.4 - 11.1)	4.9 (4.8 - 5.1)	4.0 (3.5 - 4.6)	1.9 (1.9 - 2.0)
Iowa	2472	7.2 (7.0 - 7.4)	7.6 (6.8 - 8.4)	4.4 (4.3 - 4.5)	2.4 (2.0 - 3.0)	1.7 (1.7 - 1.8)
Kansas	8026	7.4 (7.2 - 7.5)	8.2 (7.7 - 8.6)	4.5 (4.4 - 4.5)	2.6 (2.3 - 2.9)	1.8 (1.7 - 1.8)
Kentucky	4617	8.1 (7.9 - 8.3)	10.0 (9.2 - 11.0)	4.9 (4.8 - 5.1)	3.7 (3.1 - 4.3)	1.9 (1.9 - 2.0)
Louisiana	4028	8.2 (8.0 - 8.4)	10.3 (9.6 - 11.1)	5.0 (4.9 - 5.1)	3.8 (3.3 - 4.3)	2.0 (1.9 - 2.0)
Maine	3612	7.0 (6.9 - 7.2)	7.3 (6.6 - 8.0)	4.3 (4.2 - 4.4)	2.4 (2.0 - 2.8)	1.7 (1.6 - 1.7)
Maryland	3851	7.5 (7.3 - 7.8)	9.2 (8.3 - 10.1)	4.6 (4.4 - 4.7)	2.9 (2.4 - 3.6)	1.8 (1.7 - 1.8)
Massachusetts	7413	6.8 (6.7 - 7.0)	7.8 (7.2 - 8.4)	4.1 (4.0 - 4.2)	2.3 (2.0 - 2.7)	1.6 (1.6 - 1.7)
Michigan	3839	7.6 (7.4 - 7.8)	8.9 (8.2 - 9.7)	4.6 (4.5 - 4.7)	3.1 (2.6 - 3.5)	1.8 (1.8 - 1.9)
Minnesota	2436	6.3 (6.1 - 6.5)	5.5 (4.9 - 6.2)	3.8 (3.7 - 3.9)	1.4 (1.0 - 1.8)	1.5 (1.5 - 1.6)
Mississippi	4882	8.7 (8.5 - 8.9)	11.4 (10.6 - 12.2)	5.3 (5.2 - 5.4)	3.9 (3.5 - 4.4)	2.1 (2.0 - 2.1)
Missouri	2069	7.5 (7.2 - 7.8)	8.1 (7.2 - 9.3)	4.6 (4.4 - 4.7)	2.8 (2.2 - 3.6)	1.8 (1.7 - 1.9)

	N				
Montana	3097	6.7 (6.5 - 6.9)	6.7 (6.0 - 7.4)	4.1 (4.0 - 4.2)	1.8 (1.5 - 2.3)	1.6 (1.5 - 1.6)
Nebraska	6429	7.0 (6.8 - 7.2)	7.7 (7.1 - 8.4)	4.3 (4.2 - 4.4)	2.4 (2.0 - 2.9)	1.7 (1.6 - 1.7)
Nevada	1665	7.4 (7.0 - 7.9)	9.2 (7.7 - 11.0)	4.5 (4.2 - 4.8)	2.5 (1.6 - 3.7)	1.8 (1.7 - 1.9)
New Hampshire	2622	6.8 (6.6 - 7.0)	7.1 (6.3 - 8.0)	4.1 (4.0 - 4.3)	2.4 (1.8 - 3.0)	1.6 (1.6 - 1.7)
New Jersey	5660	7.3 (7.1 - 7.5)	8.6 (7.9 - 9.3)	4.5 (4.3 - 4.6)	3.1 (2.7 - 3.6)	1.7 (1.7 - 1.8)
New Mexico	3866	7.0 (6.8 - 7.2)	7.1 (6.5 - 7.9)	4.2 (4.1 - 4.4)	2.3 (1.9 - 2.7)	1.7 (1.6 - 1.7)
New York	2978	7.4 (7.2 - 7.7)	9.0 (8.1 - 10.0)	4.5 (4.4 - 4.7)	3.0 (2.5 - 3.7)	1.8 (1.7 - 1.8)
North Carolina	5730	8.0 (7.8 - 8.3)	10.5 (9.6 - 11.4)	4.9 (4.8 - 5.0)	3.4 (2.9 - 3.9)	1.9 (1.9 - 2.0)
North Dakota	1952	7.3 (7.1 - 7.6)	8.5 (7.6 - 9.5)	4.5 (4.3 - 4.6)	2.3 (1.8 - 2.8)	1.7 (1.7 - 1.8)
Ohio	4132	7.8 (7.6 - 8.0)	10.3 (9.5 - 11.1)	4.8 (4.6 - 4.9)	3.7 (3.2 - 4.2)	1.9 (1.8 - 1.9)
Oklahoma	3270	8.0 (7.8 - 8.2)	10.0 (9.2 - 10.9)	4.9 (4.7 - 5.0)	2.9 (2.4 - 3.4)	1.9 (1.9 - 2.0)
Oregon	1759	6.9 (6.6 - 7.1)	7.7 (6.8 - 8.7)	4.2 (4.0 - 4.3)	2.4 (1.9 - 3.0)	1.6 (1.6 - 1.7)
Pennsylvania	3782	7.5 (7.3 - 7.7)	8.7 (8.0 - 9.5)	4.6 (4.5 - 4.7)	2.5 (2.1 - 3.0)	1.8 (1.8 - 1.8)
Rhode Island	2833	6.9 (6.7 - 7.1)	7.4 (6.6 - 8.2)	4.2 (4.1 - 4.3)	2.1 (1.7 - 2.6)	1.6 (1.6 - 1.7)
South Carolina	4179	7.9 (7.7 - 8.2)	9.5 (8.6 - 10.4)	4.8 (4.7 - 5.0)	2.9 (2.4 - 3.4)	1.9 (1.8 - 1.9)
South Dakota	2772	7.3 (7.0 - 7.5)	7.5 (6.7 - 8.3)	4.4 (4.3 - 4.5)	2.7 (2.3 - 3.3)	1.7 (1.7 - 1.8)
Tennessee	2534	8.0 (7.7 - 8.3)	9.8 (8.9 - 10.9)	4.9 (4.7 - 5.0)	3.2 (2.6 - 3.8)	1.9 (1.8 - 2.0)
Texas	5194	7.8 (7.6 - 8.1)	9.9 (9.1 - 10.9)	4.8 (4.6 - 4.9)	3.4 (2.8 - 4.0)	1.9 (1.8 - 1.9)
Utah	4084	6.7 (6.5 - 6.9)	7.0 (6.3 - 7.7)	4.1 (3.9 - 4.2)	2.3 (1.9 - 2.8)	1.6 (1.5 - 1.6)
Vermont	2871	6.5 (6.3 - 6.7)	6.1 (5.5 - 6.8)	3.9 (3.8 - 4.1)	1.9 (1.6 - 2.4)	1.5 (1.5 - 1.6)
Virginia	2207	7.4 (7.1 - 7.7)	9.1 (8.1 - 10.2)	4.5 (4.4 - 4.7)	2.8 (2.2 - 3.5)	1.8 (1.7 - 1.8)
Washington	8612	6.9 (6.8 - 7.0)	7.0 (6.6 - 7.5)	4.2 (4.1 - 4.3)	2.0 (1.8 - 2.3)	1.6 (1.6 - 1.7)
West Virginia	1921	8.3 (8.0 - 8.5)	10.7 (9.7 - 11.7)	5.0 (4.9 - 5.2)	3.3 (2.7 - 4.0)	2.0 (1.9 - 2.0)
Wisconsin	1846	7.3 (7.0 - 7.6)	8.7 (7.5 - 10.1)	4.5 (4.3 - 4.6)	2.7 (2.0 - 3.5)	1.7 (1.7 - 1.8)
Wyoming	2564	6.8 (6.6 - 7.0)	7.0 (6.2 - 7.7)	4.1 (4.0 - 4.3)	1.8 (1.4 - 2.2)	1.6 (1.6 - 1.7)

Abbreviation: N, number of participants; CVD, cardiovascular disease; CHD, coronary heart disease; CI, confidence interval.

[a] Age standardized to 2000 U.S. population distribution of 30–39, 40–49, 50–59, 60–74 years.

[b] Stable estimates of risk score prevalence ≥20% for stroke could not be obtained due to the limited sample size.

Appendix Table 8. Weighted predicted 10-year cardiovascular disease risk for men 30-74 years of age by state, BRFSS 2009

State	N	CVD Predicted Risk Scores[a] Mean (95% CI)	Risk scores ≥20%, prevalence (95% CI)	CHD Predicted Risk Score[a] Mean (95% CI)	Mean (95% CI)	Stroke Predicted Risk Score[a,b] Risk scores ≥ 20%, prevalence (95% CI)
Alabama	1385	16.4 (15.5 - 17.4)	30.4 (27.4 - 33.5)	11.8 (11.1 - 12.5)	19.0 (16.7 - 21.6)	2.6 (2.5 - 2.8)
Alaska	789	12.9 (11.8 - 14.1)	20.9 (17.4 - 24.9)	9.3 (8.5 - 10.1)	10.8 (8.3 - 14.0)	2.1 (1.9 - 2.2)
Arizona	1328	14.3 (13.2 - 15.4)	24.7 (21.3 - 28.4)	10.3 (9.5 - 11.0)	13.6 (11.4 - 16.2)	2.3 (2.1 - 2.4)
Arkansas	885	14.8 (13.8 - 15.8)	26.6 (23.5 - 29.9)	10.6 (9.9 - 11.3)	15.8 (13.6 - 18.2)	2.4 (2.2 - 2.5)
California	4507	13.6 (13.1 - 14.1)	21.4 (20.1 - 22.9)	9.8 (9.4 - 10.1)	12.4 (11.4 - 13.6)	2.2 (2.1 - 2.2)
Colorado	3485	12.6 (12.1 - 13.0)	19.5 (18.1 - 21.0)	9.0 (8.7 - 9.4)	10.2 (9.2 - 11.3)	2.0 (1.9 - 2.1)
Connecticut	1675	13.9 (13.2 - 14.5)	22.0 (19.9 - 24.3)	9.9 (9.5 - 10.4)	13.1 (11.5 - 15.0)	2.2 (2.1 - 2.3)
Delaware	1069	15.0 (14.1 - 15.8)	26.9 (23.9 - 30.1)	10.7 (10.1 - 11.4)	15.4 (13.2 - 17.9)	2.4 (2.2 - 2.5)
District of Columbia	1098	12.2 (11.4 - 13.1)	19.3 (17.1 - 21.8)	8.8 (8.2 - 9.4)	11.7 (10.1 - 13.7)	1.9 (1.8 - 2.1)
Florida	2894	14.5 (13.7 - 15.3)	25.4 (22.9 - 28.0)	10.4 (9.8 - 11.0)	15.0 (13.2 - 17.0)	2.3 (2.2 - 2.4)
Georgia	1490	13.9 (13.0 - 14.8)	23.3 (20.9 - 25.8)	10.0 (9.3 - 10.6)	13.7 (11.9 - 15.7)	2.2 (2.1 - 2.3)
Hawaii	1976	14.2 (13.5 - 14.9)	25.1 (22.9 - 27.5)	10.2 (9.7 - 10.7)	13.8 (12.1 - 15.6)	2.3 (2.1 - 2.4)
Idaho	1509	13.7 (12.9 - 14.5)	22.7 (20.5 - 25.1)	9.8 (9.3 - 10.4)	13.2 (11.5 - 15.0)	2.2 (2.1 - 2.3)
Illinois	1561	13.8 (13.1 - 14.5)	24.2 (22.0 - 26.6)	9.9 (9.4 - 10.4)	13.1 (11.4 - 14.9)	2.2 (2.1 - 2.3)
Indiana	2357	15.1 (14.5 - 15.7)	25.3 (23.4 - 27.4)	10.8 (10.4 - 11.3)	15.1 (13.7 - 16.7)	2.4 (2.3 - 2.5)
Iowa	1615	14.4 (13.8 - 15.1)	24.6 (22.5 - 26.8)	10.3 (9.9 - 10.8)	14.3 (12.7 - 16.0)	2.3 (2.2 - 2.4)
Kansas	5065	14.1 (13.7 - 14.4)	23.6 (22.5 - 24.8)	10.1 (9.8 - 10.4)	13.7 (12.9 - 14.6)	2.2 (2.2 - 2.3)
Kentucky	1909	15.4 (14.4 - 16.3)	26.9 (24.0 - 29.9)	11.0 (10.3 - 11.7)	17.8 (15.5 - 20.3)	2.4 (2.3 - 2.6)
Louisiana	1937	15.9 (15.2 - 16.6)	28.3 (26.0 - 30.7)	11.4 (10.9 - 11.9)	17.6 (15.8 - 19.4)	2.5 (2.4 - 2.6)
Maine	2186	14.7 (14.2 - 15.3)	25.7 (23.9 - 27.7)	10.6 (10.2 - 11.0)	14.1 (12.8 - 15.5)	2.3 (2.3 - 2.4)
Maryland	2251	14.7 (14.0 - 15.4)	24.6 (22.5 - 26.9)	10.5 (10.0 - 11.0)	14.6 (12.9 - 16.5)	2.3 (2.2 - 2.4)
Massachusetts	4306	13.7 (13.2 - 14.2)	22.9 (21.3 - 24.5)	9.9 (9.5 - 10.2)	13.4 (12.2 - 14.7)	2.2 (2.1 - 2.3)
Michigan	2352	15.4 (14.8 - 16.0)	26.2 (24.4 - 28.2)	11.0 (10.6 - 11.5)	15.3 (13.9 - 16.8)	2.4 (2.3 - 2.5)
Minnesota	1502	13.4 (12.7 - 14.1)	22.2 (20.2 - 24.4)	9.6 (9.1 - 10.1)	12.3 (10.8 - 13.8)	2.1 (2.0 - 2.2)
Mississippi	2457	16.6 (15.9 - 17.2)	30.9 (28.8 - 33.1)	11.9 (11.4 - 12.4)	18.0 (16.4 - 19.6)	2.6 (2.5 - 2.7)
Missouri	1305	14.8 (13.8 - 15.7)	26.0 (23.1 - 29.1)	10.6 (9.9 - 11.3)	15.2 (13.0 - 17.7)	2.4 (2.2 - 2.5)
Montana	2269	14.5 (13.9 - 15.2)	24.9 (22.9 - 27.0)	10.4 (10.0 - 10.9)	14.0 (12.6 - 15.6)	2.3 (2.2 - 2.4)
Nebraska	4219	13.8 (13.2 - 14.5)	23.5 (21.7 - 25.5)	9.9 (9.5 - 10.4)	13.4 (12.0 - 14.8)	2.2 (2.1 - 2.3)
Nevada	1066	14.0 (12.8 - 15.2)	24.2 (20.8 - 27.8)	10.0 (9.2 - 10.9)	13.9 (11.5 - 16.6)	2.2 (2.0 - 2.4)

	N				
New Hampshire	1675	14.2 (13.5 - 14.9)	24.0 (21.7 - 26.4)	10.2 (9.7 - 10.7)	13.1 (11.5 - 14.8)	2.3 (2.1 - 2.4)
New Jersey	3389	14.4 (13.8 - 15.0)	23.6 (21.9 - 25.4)	10.3 (9.9 - 10.7)	14.2 (12.9 - 15.7)	2.3 (2.2 - 2.4)
New Mexico	2396	14.5 (13.8 - 15.1)	25.9 (24.0 - 28.0)	10.4 (9.9 - 10.8)	15.2 (13.7 - 16.9)	2.3 (2.2 - 2.4)
New York	1834	14.3 (13.6 - 15.0)	24.7 (22.5 - 27.1)	10.2 (9.7 - 10.7)	14.3 (12.6 - 16.1)	2.3 (2.2 - 2.4)
North Carolina	3409	14.8 (14.2 - 15.4)	26.0 (24.1 - 28.1)	10.6 (10.2 - 11.1)	15.6 (14.2 - 17.2)	2.4 (2.3 - 2.5)
North Dakota	1334	14.6 (13.9 - 15.3)	25.7 (23.4 - 28.1)	10.5 (10.0 - 11.0)	15.1 (13.4 - 17.0)	2.3 (2.2 - 2.4)
Ohio	2573	14.8 (14.2 - 15.4)	26.2 (24.3 - 28.1)	10.6 (10.2 - 11.1)	15.3 (13.9 - 16.8)	2.4 (2.3 - 2.5)
Oklahoma	1826	15.7 (15.0 - 16.4)	28.9 (26.7 - 31.3)	11.3 (10.8 - 11.8)	16.6 (15.0 - 18.3)	2.5 (2.4 - 2.6)
Oregon	1168	14.2 (13.4 - 15.0)	24.0 (21.6 - 26.6)	10.2 (9.6 - 10.8)	13.4 (11.7 - 15.3)	2.3 (2.1 - 2.4)
Pennsylvania	2309	15.2 (14.5 - 15.9)	26.5 (24.4 - 28.7)	10.9 (10.4 - 11.4)	15.8 (14.2 - 17.6)	2.4 (2.3 - 2.5)
Rhode Island	1594	13.8 (13.1 - 14.4)	22.9 (20.9 - 25.1)	9.9 (9.4 - 10.3)	13.3 (11.8 - 15.0)	2.2 (2.1 - 2.3)
South Carolina	2472	14.9 (14.1 - 15.7)	26.0 (23.7 - 28.5)	10.7 (10.2 - 11.3)	16.0 (14.1 - 18.0)	2.4 (2.2 - 2.5)
South Dakota	1741	14.6 (13.8 - 15.3)	26.0 (23.7 - 28.5)	10.5 (9.9 - 11.0)	15.1 (13.4 - 17.0)	2.3 (2.2 - 2.4)
Tennessee	1166	14.8 (13.9 - 15.8)	25.2 (22.5 - 28.2)	10.6 (10.0 - 11.3)	14.3 (12.3 - 16.4)	2.4 (2.2 - 2.5)
Texas	2955	14.1 (13.3 - 14.8)	22.4 (20.4 - 24.6)	10.1 (9.5 - 10.6)	13.5 (12.0 - 15.2)	2.2 (2.1 - 2.4)
Utah	3123	11.7 (11.3 - 12.2)	18.2 (16.8 - 19.7)	8.4 (8.1 - 8.7)	9.7 (8.8 - 10.8)	1.9 (1.8 - 1.9)
Vermont	1987	14.4 (13.8 - 14.9)	24.1 (22.3 - 26.0)	10.3 (9.9 - 10.7)	13.0 (11.7 - 14.5)	2.3 (2.2 - 2.4)
Virginia	1485	14.5 (13.6 - 15.3)	24.4 (21.9 - 27.0)	10.4 (9.8 - 11.0)	13.8 (12.0 - 15.9)	2.3 (2.2 - 2.4)
Washington	5787	13.9 (13.5 - 14.2)	22.6 (21.5 - 23.8)	9.9 (9.7 - 10.2)	12.9 (12.1 - 13.8)	2.2 (2.1 - 2.3)
West Virginia	1200	16.8 (15.9 - 17.7)	30.3 (27.7 - 33.1)	12.1 (11.4 - 12.7)	18.9 (16.8 - 21.1)	2.7 (2.5 - 2.8)
Wisconsin	1419	14.9 (14.0 - 15.8)	27.8 (24.7 - 31.2)	10.7 (10.0 - 11.3)	14.7 (12.5 - 17.1)	2.4 (2.2 - 2.5)
Wyoming	1721	14.8 (14.2 - 15.5)	25.5 (23.5 - 27.7)	10.6 (10.2 - 11.1)	14.7 (13.2 - 16.4)	2.4 (2.3 - 2.5)

Abbreviation: N, number of participants; CVD, cardiovascular disease; CHD, coronary heart disease; CI, confidence interval.

[a] Weighted estimate only to show the actual burden of the predicted 10-year risk of developing cardiovascular disease by state.

[b] Stable estimates of risk score prevalence ⩾20% for stroke could not be obtained due to the limited sample size.

Appendix Table 9. Weighted predicted 10-year cardiovascular disease risk for women 30-74 years of age by state, BRFSS 2009

State	N	CVD Predicted Risk Scores[a] Mean (95% CI)	CVD Predicted Risk Scores[a] Risk scores ≥20%, prevalence (95% CI)	CHD Predicted Risk Score[a] Mean (95% CI)	CHD Predicted Risk Score[a] Mean (95% CI)	Stroke Predicted Risk Score[a,b] Risk scores ≥ 20%, prevalence (95% CI)
Alabama	1385	9.2 (8.8 - 9.7)	12.4 (11.2 - 13.8)	5.6 (5.4 - 5.9)	4.8 (4.1 - 5.7)	2.2 (2.1 - 2.3)
Alaska	789	6.8 (6.1 - 7.5)	6.5 (4.9 - 8.7)	4.1 (3.7 - 4.6)	2.6 (1.6 - 4.2)	1.6 (1.5 - 1.8)
Arizona	1328	7.4 (6.9 - 8.0)	7.9 (6.5 - 9.5)	4.5 (4.2 - 4.9)	2.2 (1.5 - 3.1)	1.8 (1.6 - 1.9)
Arkansas	885	8.6 (8.1 - 9.1)	11.1 (9.7 - 12.6)	5.2 (4.9 - 5.5)	3.4 (2.7 - 4.4)	2.1 (1.9 - 2.2)
California	4507	7.3 (7.0 - 7.5)	8.1 (7.3 - 8.9)	4.4 (4.3 - 4.6)	2.5 (2.1 - 3.0)	1.7 (1.7 - 1.8)
Colorado	3485	6.6 (6.3 - 6.8)	6.3 (5.6 - 6.9)	4.0 (3.9 - 4.1)	1.6 (1.3 - 2.0)	1.6 (1.5 - 1.6)
Connecticut	1675	7.2 (6.9 - 7.5)	7.2 (6.2 - 8.2)	4.4 (4.2 - 4.6)	1.9 (1.5 - 2.4)	1.7 (1.6 - 1.8)
Delaware	1069	7.7 (7.3 - 8.1)	9.1 (7.8 - 10.6)	4.7 (4.4 - 5.0)	2.9 (2.3 - 3.7)	1.8 (1.7 - 1.9)
District of Columbia	1098	7.3 (6.8 - 7.8)	8.6 (7.4 - 10.0)	4.4 (4.1 - 4.7)	3.2 (2.5 - 4.2)	1.7 (1.6 - 1.9)
Florida	2894	8.0 (7.6 - 8.4)	9.9 (8.8 - 11.0)	4.9 (4.6 - 5.1)	3.5 (2.9 - 4.2)	1.9 (1.8 - 2.0)
Georgia	1490	7.7 (7.3 - 8.1)	9.4 (8.3 - 10.6)	4.7 (4.4 - 4.9)	3.1 (2.5 - 3.8)	1.8 (1.7 - 1.9)
Hawaii	1976	7.5 (7.1 - 7.9)	8.0 (6.8 - 9.3)	4.6 (4.3 - 4.8)	2.5 (1.9 - 3.3)	1.8 (1.7 - 1.9)
Idaho	1509	7.1 (6.8 - 7.5)	8.1 (7.1 - 9.3)	4.3 (4.1 - 4.6)	2.5 (2.0 - 3.1)	1.7 (1.6 - 1.8)
Illinois	1561	7.4 (7.0 - 7.7)	7.7 (6.7 - 8.8)	4.5 (4.3 - 4.7)	2.1 (1.6 - 2.8)	1.8 (1.7 - 1.8)
Indiana	2357	8.5 (8.2 - 8.9)	10.8 (9.9 - 11.9)	5.2 (5.0 - 5.4)	4.3 (3.7 - 5.0)	2.0 (2.0 - 2.1)
Iowa	1615	7.8 (7.5 - 8.2)	8.6 (7.6 - 9.7)	4.8 (4.6 - 5.0)	2.7 (2.2 - 3.4)	1.9 (1.8 - 2.0)
Kansas	5065	7.8 (7.6 - 8.0)	8.9 (8.3 - 9.4)	4.7 (4.6 - 4.9)	2.8 (2.5 - 3.2)	1.9 (1.8 - 1.9)
Kentucky	1909	8.5 (8.1 - 8.9)	10.8 (9.7 - 11.9)	5.2 (4.9 - 5.4)	3.9 (3.3 - 4.7)	2.0 (1.9 - 2.1)
Louisiana	1937	8.5 (8.2 - 8.8)	10.8 (9.9 - 11.8)	5.2 (5.0 - 5.4)	3.9 (3.4 - 4.6)	2.0 (1.9 - 2.1)
Maine	2186	7.8 (7.5 - 8.1)	8.5 (7.6 - 9.4)	4.8 (4.6 - 5.0)	2.7 (2.3 - 3.3)	1.9 (1.8 - 1.9)
Maryland	2251	7.9 (7.5 - 8.2)	9.7 (8.6 - 10.8)	4.8 (4.6 - 5.0)	3.1 (2.5 - 3.8)	1.9 (1.8 - 2.0)
Massachusetts	4306	7.3 (7.0 - 7.5)	8.4 (7.6 - 9.2)	4.4 (4.3 - 4.6)	2.5 (2.1 - 2.9)	1.7 (1.7 - 1.8)
Michigan	2352	8.0 (7.7 - 8.3)	9.6 (8.8 - 10.6)	4.9 (4.7 - 5.0)	3.3 (2.8 - 3.8)	1.9 (1.8 - 2.0)
Minnesota	1502	6.7 (6.4 - 7.0)	5.8 (5.1 - 6.7)	4.1 (3.9 - 4.2)	1.4 (1.1 - 1.8)	1.6 (1.5 - 1.7)
Mississippi	2457	9.3 (9.0 - 9.6)	12.6 (11.7 - 13.6)	5.7 (5.4 - 5.9)	4.4 (3.8 - 5.0)	2.2 (2.1 - 2.3)
Missouri	1305	8.0 (7.5 - 8.4)	8.9 (7.7 - 10.3)	4.9 (4.6 - 5.1)	3.1 (2.4 - 3.9)	1.9 (1.8 - 2.0)
Montana	2269	7.5 (7.2 - 7.9)	8.0 (7.1 - 9.0)	4.6 (4.4 - 4.8)	2.2 (1.7 - 2.7)	1.8 (1.7 - 1.9)
Nebraska	4219	7.4 (7.0 - 7.7)	8.3 (7.4 - 9.2)	4.5 (4.3 - 4.7)	2.6 (2.1 - 3.1)	1.8 (1.7 - 1.8)
Nevada	1066	7.5 (6.9 - 8.1)	9.3 (7.6 - 11.4)	4.6 (4.2 - 4.9)	2.4 (1.6 - 3.6)	1.8 (1.6 - 1.9)

New Hampshire	1675	7.2 (6.8 - 7.5)	7.4 (6.5 - 8.5)	4.4 (4.1 - 4.6)	2.5 (1.9 - 3.3)	1.7 (1.6 - 1.8)
New Jersey	3389	7.8 (7.5 - 8.1)	9.3 (8.4 - 10.3)	4.8 (4.6 - 4.9)	3.4 (2.9 - 4.0)	1.9 (1.8 - 1.9)
New Mexico	2396	7.7 (7.3 - 8.0)	8.2 (7.3 - 9.1)	4.7 (4.5 - 4.9)	2.6 (2.1 - 3.1)	1.8 (1.8 - 1.9)
New York	1834	8.0 (7.6 - 8.4)	10.0 (8.8 - 11.3)	4.9 (4.6 - 5.1)	3.4 (2.7 - 4.2)	1.9 (1.8 - 2.0)
North Carolina	3409	8.4 (8.1 - 8.7)	11.2 (10.1 - 12.3)	5.1 (4.9 - 5.3)	3.6 (3.0 - 4.2)	2.0 (1.9 - 2.1)
North Dakota	1334	8.0 (7.6 - 8.4)	9.6 (8.4 - 10.8)	4.8 (4.6 - 5.1)	2.5 (2.0 - 3.2)	1.9 (1.8 - 2.0)
Ohio	2573	8.4 (8.0 - 8.7)	11.2 (10.2 - 12.2)	5.1 (4.9 - 5.3)	4.0 (3.4 - 4.6)	2.0 (1.9 - 2.1)
Oklahoma	1826	8.6 (8.2 - 8.9)	11.3 (10.2 - 12.4)	5.2 (5.0 - 5.4)	3.3 (2.7 - 3.9)	2.0 (2.0 - 2.1)
Oregon	1168	7.7 (7.3 - 8.1)	9.2 (8.0 - 10.5)	4.7 (4.4 - 5.0)	2.8 (2.2 - 3.6)	1.8 (1.7 - 1.9)
Pennsylvania	2309	8.4 (8.0 - 8.7)	10.1 (9.1 - 11.1)	5.1 (4.9 - 5.3)	2.9 (2.4 - 3.5)	2.0 (1.9 - 2.1)
Rhode Island	1594	7.3 (7.0 - 7.6)	7.8 (6.9 - 8.8)	4.5 (4.3 - 4.6)	2.2 (1.7 - 2.8)	1.7 (1.7 - 1.8)
South Carolina	2472	8.4 (8.1 - 8.8)	10.6 (9.5 - 11.7)	5.1 (4.9 - 5.4)	3.3 (2.7 - 3.9)	2.0 (1.9 - 2.1)
South Dakota	1741	8.1 (7.7 - 8.4)	8.6 (7.6 - 9.7)	4.9 (4.7 - 5.1)	3.1 (2.6 - 3.8)	1.9 (1.8 - 2.0)
Tennessee	1166	8.3 (7.9 - 8.7)	10.4 (9.2 - 11.7)	5.0 (4.8 - 5.3)	3.3 (2.7 - 4.1)	2.0 (1.9 - 2.1)
Texas	2955	7.6 (7.3 - 8.0)	9.6 (8.6 - 10.7)	4.7 (4.4 - 4.9)	3.2 (2.7 - 3.9)	1.8 (1.7 - 1.9)
Utah	3123	6.4 (6.2 - 6.7)	6.6 (5.9 - 7.5)	3.9 (3.8 - 4.1)	2.2 (1.8 - 2.7)	1.5 (1.5 - 1.6)
Vermont	1987	7.3 (7.0 - 7.6)	7.2 (6.3 - 8.1)	4.4 (4.2 - 4.6)	2.3 (1.8 - 2.8)	1.7 (1.7 - 1.8)
Virginia	1485	7.9 (7.5 - 8.4)	9.9 (8.6 - 11.3)	4.8 (4.6 - 5.1)	3.0 (2.4 - 3.8)	1.9 (1.8 - 2.0)
Washington	5787	7.3 (7.1 - 7.5)	7.6 (7.1 - 8.2)	4.4 (4.3 - 4.6)	2.2 (1.9 - 2.5)	1.7 (1.7 - 1.8)
West Virginia	1200	9.3 (8.8 - 9.7)	12.6 (11.2 - 14.1)	5.6 (5.4 - 5.9)	3.9 (3.2 - 4.8)	2.2 (2.1 - 2.3)
Wisconsin	1419	8.0 (7.5 - 8.5)	9.7 (8.2 - 11.4)	4.8 (4.5 - 5.2)	2.9 (2.2 - 3.9)	1.9 (1.8 - 2.0)
Wyoming	1721	7.4 (7.1 - 7.7)	7.8 (6.9 - 8.8)	4.5 (4.3 - 4.7)	1.9 (1.5 - 2.5)	1.8 (1.7 - 1.8)

Abbreviation: N, number of participants; CVD, cardiovascular disease; CHD, coronary heart disease; CI, confidence interval.

[a] Weighted estimate only to show the actual burden of the predicted 10-year risk of developing cardiovascular disease by state.

[b] Stable estimates of risk score prevalence ⩾20% for stroke could not be obtained due to the limited sample size.
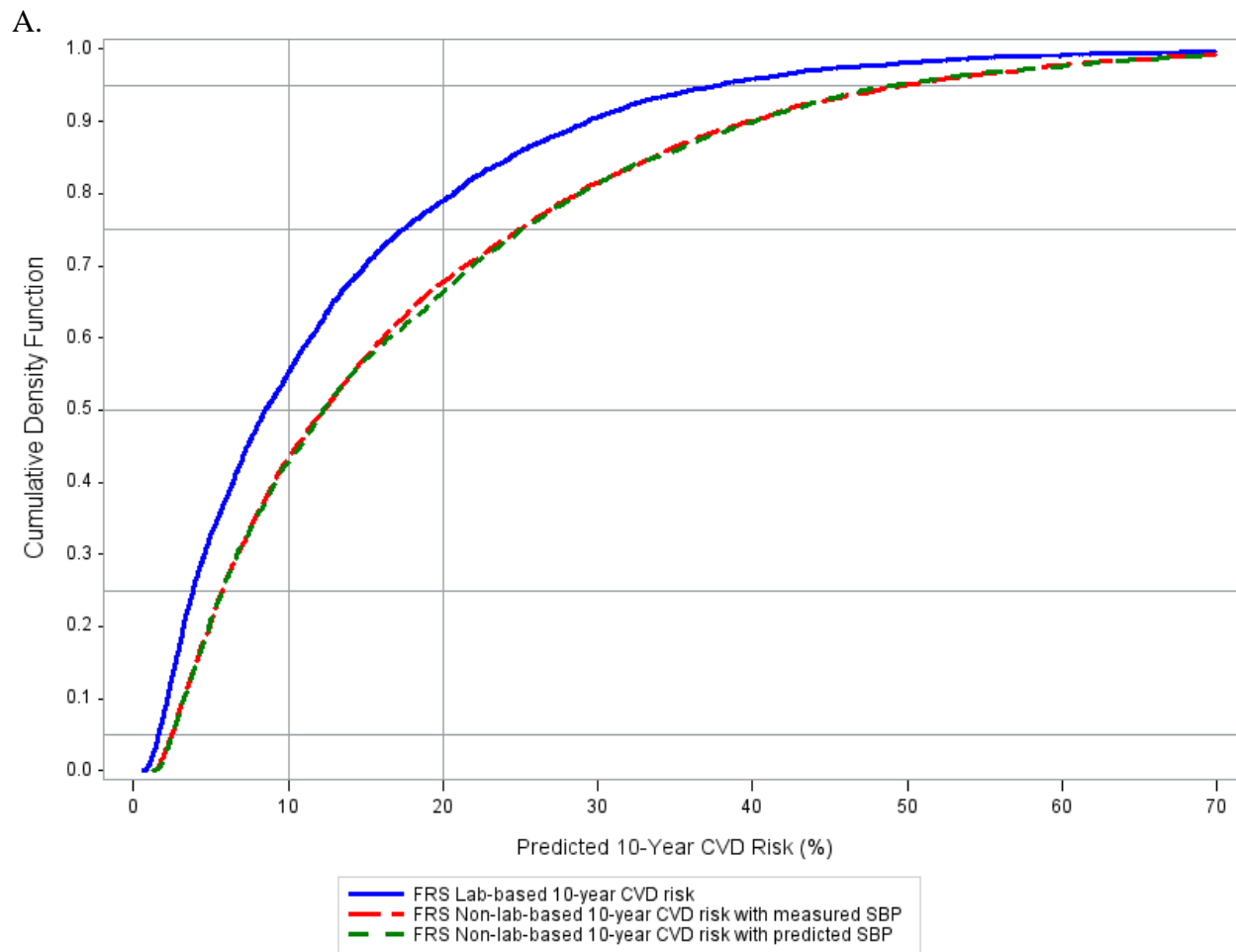
Appendix Table 10. Quantifying bias associated with using point-estimate of systolic blood pressure in calculation of Framingham Risk Score by selected characteristics, BRFSS 2009
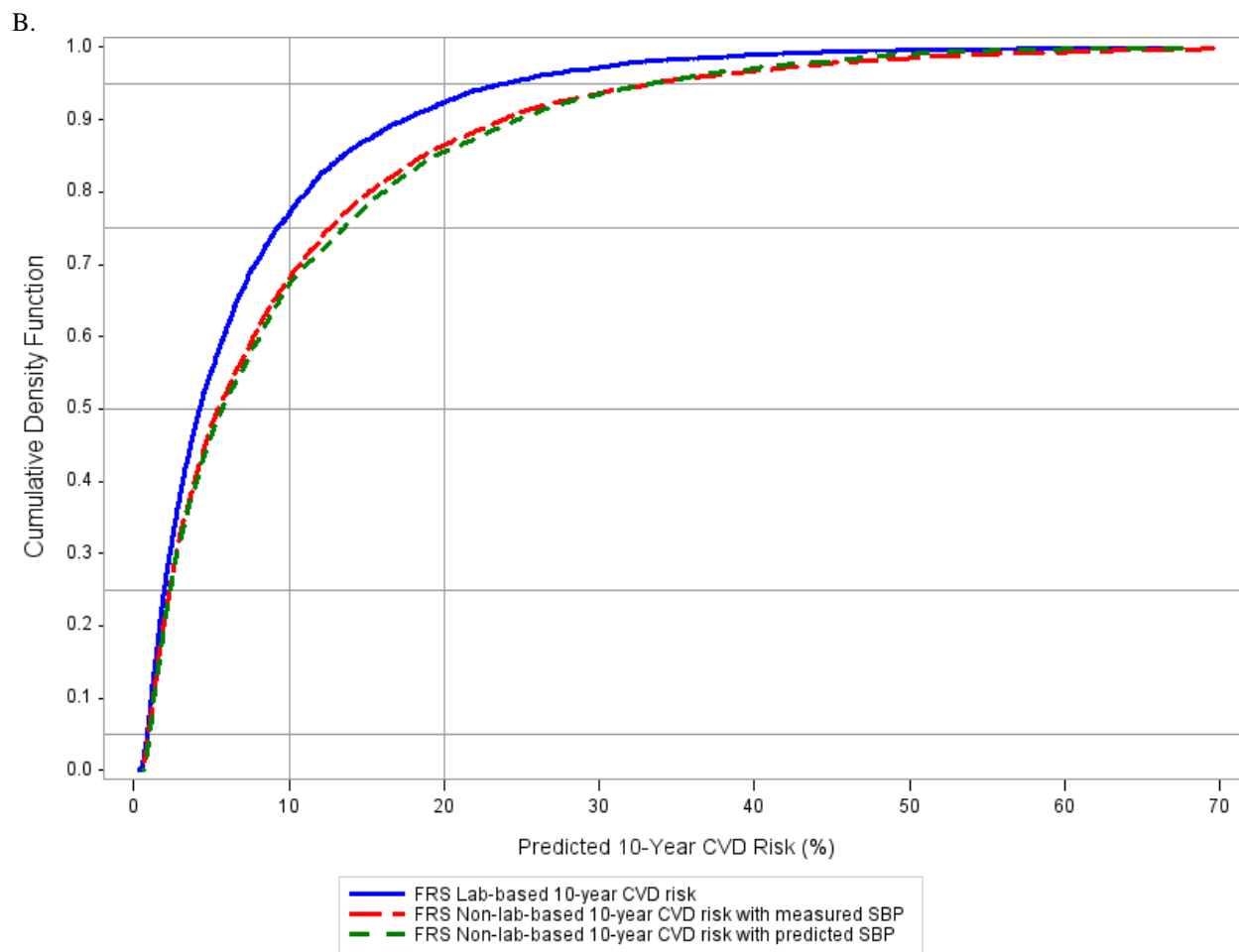
		Age-Standardized Mean Predicted 10-Year CVD Risk[a]			
Characteristics	N	Point-estimate systolic BP (95% CI)[b] (1)	Random systolic BP (95% CI)[b] (2)	Estimated bias (2) – (1)	Percent bias (%)
Men					
Total	112856	14.56 (14.48 - 14.65)	14.61 (14.58 - 14.64)	0.05	0.35
Age					
30-39	18005	4.11 (4.04 - 4.17)	4.15 (4.12 - 4.18)	0.04	1.06
40-49	26636	9.26 (9.13 - 9.39)	9.34 (9.29 - 9.38)	0.08	0.82
50-59	32689	18.58 (18.38 - 18.77)	18.66 (18.58 - 18.73)	0.08	0.44
≥60	35526	33.23 (32.94 - 33.52)	33.23 (33.12 - 33.33)	0.00	-0.01
Race-ethnicity					
Non-Hispanic white	90322	14.12 (14.04 - 14.19)	14.17 (14.14 - 14.20)	0.05	0.39
Non-Hispanic black	7397	17.54 (17.93 - 17.44)	17.58 (17.44 - 17.72)	0.03	0.20
Hispanics	7300	15.33 (15.77 - 15.23)	15.38 (15.23 - 15.51)	0.05	0.30
Others	6671	13.97 (14.34 - 13.88)	14.02 (13.88 - 14.16)	0.05	0.35
Women					
Total	185054	7.45 (7.41 - 7.50)	7.53 (7.52 - 7.54)	0.08	1.07
Age					
30-39	29337	1.68 (1.66 - 1.71)	1.72 (1.71 - 1.73)	0.03	2.01
40-49	41054	4.26 (4.20 - 4.32)	4.33 (4.32 - 4.36)	0.08	1.78
50-59	52346	9.05 (8.94 - 9.15)	9.15 (9.12 - 9.17)	0.10	1.12
≥60	62317	18.80 (18.63 - 18.97)	18.93 (18.89 - 18.97)	0.13	0.68
Race-ethnicity					
Non-Hispanic white	144542	7.01 (6.97 - 7.05)	7.09 (7.08 - 7.10)	0.08	1.13
Non-Hispanic black	16353	10.21 (10.00 - 10.42)	10.29 (10.25 - 10.34)	0.09	0.84
Hispanic	13224	8.01 (7.80 - 8.21)	8.09 (8.03 - 8.14)	0.09	1.07
Others	9597	7.41 (7.14 - 7.69)	7.47 (7.42 - 7.51)	0.06	0.74

[a] To quantify the potential bias associated with using systolic BP point-estimate for BRFSS participants based on the coefficients derived from NHANES in calculation of Framingham Risk Score (RS), we did the following: 1. we generated a normally distributed random variable with NHANES-based systolic BP as mean and variance (prior information), denoting this random variable as X for each BRFSS participant. We then substitute log(X) for the value of log(Systolic PB) (a different value for every person in the sample) to calculate the RS . 2. We repeated the above procedures 1000 times, and calculated the mean, variance, and 2.5[th] and 97.5[th] percentiles of the RS denoting the mean of the 1000-RS as R2. 3. If we define the mean RS using systolic BP point-estimate as R1, then R2 – R1 is an estimate of the bias introduced by using the systolic BP point-estimate only.
[b] Point-estimate systolic blood pressure indicated the point-estimate of systolic blood pressure; and random systolic blood pressure indicated the random systolic blood pressure with mean and variance derived from fixed systolic blood pressure.

Appendix Figure 1. Distribution of predicted 10-year risk of developing cardiovascular disease among men (A) and women (B) using Framingham Risk Score for laboratory-based, non-laboratory based with measured systolic blood pressure and non-laboratory based predicted systolic blood pressure, NHANES 2005–2010

A.

B.

The mean predicted 10-year risk of developing CVD among men for lab-based, non-lab based with measured systolic blood pressure, and non-lab based predicted systolic blood pressure were 10.4% (95% CI 9.9%−10.9%), 14.6% (95% CI 14.1%−15.2%), and 14.6% (95% CI 14.1%−15.2%), respectively. For women, the corresponding predicted risk were 6.1% (95% CI 5.8%−6.5 %), 8.1% (95% CI 7.7%−8.4%), and 8.1% (95% CI 7.7%−8.4%), respectively.