

SUPPLEMENTAL MATERIAL

Supplementary Table 1: Sample size by age group, survey year, and sex

Year	Men				Total	Women				Total
	Age group					Age group				
	20-34	35-49	50-64	65-79		20-34	35-49	50-64	65-79	
2001-2002	507	586	466	367	1928	706	587	447	339	2081
2003-2004	533	491	410	430	1867	607	483	431	374	1898
2005-2006	515	549	443	376	1887	744	534	455	308	2045
2007-2008	561	614	664	480	2324	595	667	659	481	2407
2009-2010	629	682	674	478	2469	717	755	660	459	2597
2011-2012	646	582	597	377	2209	610	594	619	356	2186
2013-2014	657	611	643	402	2321	656	737	671	446	2518
2015-2016	599	573	637	433	2251	655	670	655	439	2428
Total	4647	4688	4534	3343	17256	5290	5027	4597	3202	18160

Individuals with missing data were excluded. For the individual risk factors, the were the numbers of missing data were 3,395 for blood pressure, 3,887 for total and HDL cholesterol, 3,514 for HbA1C, 2,221 for BMI, and 41 for smoking status.

Supplementary Table 2 Age-standardized prevalence of risk factors, treatment, and control in 2001-2004, by sex

	Women	Men	Women vs. men
Age, years	45.9 (16.9)	47.9 (16.9)	-
Race, %			
Hispanic	25.4	25.2	-
Non-Hispanic White	51.2	51.7	-
Non-Hispanic Black	19.2	19.3	-
Other	4.1	3.7	-
Risk factors			
Systolic BP, mmHg	121.8 (121.2; 122.5)	124.2 (123.2; 125.1)	-2.3 (-3.4; -1.2)
Current smoking, %	22.1 (20.6; 23.6)	29.2 (27.0; 31.4)	-7.1 (-8.9; -5.3)
BMI, kg/m ²	28.1 (27.8; 28.4)	27.9 (27.7; 28.1)	0.2 (-0.1; 0.5)
Healthy weight, %	35.0 (32.6; 37.4)	29.0 (27.4; 30.6)	6.0 (2.9; 9.1)
Overweight, %	30.0 (28.0; 32.1)	41.1 (39.1; 43.1)	-11.1 (-13.6; -8.6)
Obese, %	32.6 (30.5; 34.8)	28.6 (26.8; 30.5)	4.0 (1.7; 6.3)
Total cholesterol, mg/dL	203.0 (201.4; 204.6)	200.9 (198.8; 203.0)	2.1 (-0.5; 4.7)
HDL cholesterol, mg/dL	58.2 (57.4; 59.0)	47.1 (46.6; 47.6)	11.1 (10.2; 12.0)
HbA1C, %	5.5 (5.4; 5.5)	5.6 (5.5; 5.6)	-0.1 (-0.1; -0.1)
History of CVD, %	6.1 (5.1; 7.0)	8.3 (7.2; 9.4)	-2.2 (-3.2; -1.3)
Treatment and control			
Hypertension, %	42.5 (40.7; 44.3)	51.4 (48.6; 54.1)	-8.9 (-12.0; -5.8)
Treated, %	52.0 (48.9; 55.2)	40.1 (37.4; 42.8)	11.9 (8.1; 15.7)
Controlled among treated, %	31.6 (28.7; 34.4)	33.9 (30.4; 37.5)	-2.3 (-7.3; 2.6)
Controlled among overall population, %	16.4 (14.4; 18.4)	13.6 (11.7; 15.5)	2.8 (-0.2; 5.9)
Diabetes, %	7.8 (6.9; 8.7)	9.8 (8.6; 10.9)	-2.0 (-3.0; -0.9)
Treated, %	75.6 (70.0; 81.1)	71.5 (66.8; 76.2)	4.1 (-4.2; 12.4)
Controlled among treated, %	27.3 (21.7; 33.0)	27.4 (22.1; 32.7)	0.0 (-7.6; 7.5)
Controlled among overall population, %	20.7 (15.9; 25.4)	19.6 (15.7; 23.4)	1.1 (-5.5; 7.7)
Dyslipidemia, %	25.2 (23.6; 26.9)	26.6 (25.0; 28.2)	-1.3 (-3.8; 1.1)
Treated, %	40.0 (36.8; 43.1)	47.5 (43.5; 51.5)	-7.5 (-12.0; -3.1)
Controlled among treated, %	81.7 (77.2; 86.2)	84.5 (80.5; 88.5)	-2.8 (-8.9; 3.4)
Controlled among overall population, %	32.7 (29.6; 35.7)	40.1 (35.9; 44.4)	-7.5 (-12.4; -2.6)
Number of risk factors*			
None	35.9 (34.2; 37.7)	25.9 (23.8; 28.0)	10.0 (8.0; 12.1)
1 risk factor	36.7 (35.1; 38.3)	39.7 (37.9; 41.5)	-3.0 (-5.2; -0.8)
2 risk factors	20.7 (19.3; 22.0)	25.7 (23.9; 27.5)	-5.0 (-7.0; -3.0)
3 or 4 risk factors	6.7 (5.7; 7.6)	8.7 (7.4; 9.9)	-2.0 (-3.1; -0.8)

Age and race are sample means (standard deviation) and percentages, respectively. Other values are means for continuous variables and percentages for categorical variables, age-standardized to the US standard population in 2015-16. Values between brackets indicate 95% confidence intervals.

* Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. Participants with a self-reported Asian background were included in the 'other' group. BP; blood pressure; BMI, body mass index; HDL; high-density lipoprotein; CVD, cardiovascular disease

Supplementary Table 3 Age-standardized prevalence of risk factors, treatment, and control in 2005-2008, by sex

	Women	Men	Women vs. men
Age, years	46.9 (16.7)	48.5 (16.6)	-
Race, %			
Hispanic	28.7	26.7	-
Non-Hispanic White	46.0	48.7	-
Non-Hispanic Black	21.0	20.9	-
Other	4.3	3.8	-
Risk factors			
Systolic BP, mmHg	119.5 (118.9, 120.2)	123.7 (123.0, 124.3)	-4.1 (-4.7, -3.5)
Current smoking, %	20.6 (18.8, 22.5)	27.4 (25.2, 29.6)	-6.7 (-8.7, -4.8)
BMI, kg/m ²	28.5 (28.1, 28.9)	28.5 (28.2, 28.8)	0.0 (-0.3, 0.3)
Healthy weight, %	35.0 (32.7, 37.2)	26.6 (24.8, 28.4)	8.4 (6.0, 10.8)
Overweight, %	27.5 (25.8, 29.1)	39.9 (38.1, 41.7)	-12.4 (-15.0, -9.8)
Obese, %	35.5 (33.4, 37.6)	32.5 (30.2, 34.9)	2.9 (0.9, 5.0)
Total cholesterol, mg/dL	200.4 (198.9, 201.9)	195.9 (194.4, 197.4)	4.5 (2.6, 6.4)
HDL cholesterol, mg/dL	58.5 (57.5, 59.4)	47.4 (46.9, 47.9)	11.1 (10.2, 11.9)
HbA1C, %	5.5 (5.5, 5.5)	5.5 (5.5, 5.6)	0.0 (-0.1, 0.0)
History of CVD, %	5.6 (4.9, 6.4)	8.3 (7.5, 9.1)	-2.7 (-3.7, -1.7)
Treatment and control			
Hypertension, %	40.8 (39.0, 42.6)	49.1 (47.3, 50.9)	-8.3 (-10.0, -6.5)
Treated, %	60.4 (57.0, 63.9)	46.2 (43.6, 48.8)	14.2 (10.6, 17.9)
Controlled among treated, %	42.6 (38.1, 47.1)	39.0 (35.0, 43.0)	3.6 (-1.8, 9.0)
Controlled among overall population, %	25.8 (22.7, 28.8)	18.0 (15.9, 20.2)	7.7 (4.7, 10.8)
Diabetes, %	9.9 (8.8, 11.1)	10.3 (9.4, 11.3)	-0.4 (-1.5, 0.7)
Treated, %	80.6 (76.2, 85.0)	72.8 (67.6, 78.1)	7.7 (0.5, 15.0)
Controlled among treated, %	36.0 (29.8, 42.2)	37.4 (30.6, 44.1)	-1.4 (-9.9, 7.0)
Controlled among overall population, %	29.0 (23.5, 34.5)	27.2 (21.2, 33.3)	1.8 (-5.8, 9.3)
Dyslipidemia, %	27.8 (25.9, 29.6)	27.5 (25.7, 29.3)	0.3 (-1.9, 2.4)
Treated, %	49.7 (45.7, 53.7)	54.3 (51.0, 57.6)	-4.6 (-9.4, 0.1)
Controlled among treated, %	83.0 (78.6, 87.4)	89.8 (86.9, 92.6)	-6.8 (-11.0, -2.6)
Controlled among overall population, %	41.2 (37.4, 45.0)	48.8 (44.9, 52.6)	-7.5 (-12.3, -2.8)
Number of risk factors*			
None	36.5 (34.6, 38.3)	28.0 (26.2, 29.8)	8.5 (6.3, 10.6)
1 risk factor	35.3 (33.8, 36.9)	38.1 (36.5, 39.7)	-2.8 (-4.9, -0.6)
2 risk factors	20.5 (18.9, 22.1)	25.3 (23.5, 27.2)	-4.8 (-7.2, -2.5)
3 or 4 risk factors	7.7 (6.3, 9.0)	8.5 (7.5, 9.6)	-0.9 (-2.2, 0.4)

Age and race are sample means (standard deviation) and percentages, respectively. Other values are means for continuous variables and percentages for categorical variables, age-standardized to the US standard population in 2015-16. Values between brackets indicate 95% confidence intervals.

* Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. Participants with a self-reported Asian background were included in the 'other' group. BP; blood pressure; BMI, body mass index; HDL; high-density lipoprotein; CVD, cardiovascular disease

Supplementary Table 4 Age-standardized prevalence of risk factors, treatment, and control in 2009-2012, by sex

	Women	Men	Women vs. men
Age, years	47.1 (16.3)	47.5 (16.4)	-
Race, %			
Hispanic	26.2	25.6	-
Non-Hispanic White	41.3	42.2	-
Non-Hispanic Black	21.8	21.3	-
Other	10.6	11.0	-
Risk factors			
Systolic BP, mmHg	118.2 (117.5, 119.0)	122.9 (122.2, 123.6)	-4.7 (-5.3, -4.1)
Current smoking, %	17.9 (16.2, 19.5)	23.6 (21.6, 25.5)	-5.7 (-7.8, -3.6)
BMI, kg/m ²	28.9 (28.6, 29.2)	28.7 (28.3, 29.0)	0.3 (0.0, 0.6)
Healthy weight, %	31.8 (29.8, 33.9)	26.6 (24.5, 28.6)	5.3 (3.3, 7.3)
Overweight, %	29.4 (27.2, 31.6)	37.6 (35.8, 39.4)	-8.2 (-10.5, -5.8)
Obese, %	36.3 (34.2, 38.5)	35.1 (32.8, 37.3)	1.3 (-1.2, 3.8)
Total cholesterol, mg/dL	198.3 (196.7, 199.8)	192.7 (191.2, 194.3)	5.5 (3.8, 7.2)
HDL cholesterol, mg/dL	57.7 (56.9, 58.6)	47.8 (47.2, 48.4)	9.9 (9.2, 10.6)
HbA1C, %	5.6 (5.6, 5.6)	5.7 (5.6, 5.7)	-0.1 (-0.1, 0.0)
History of CVD, %	5.0 (4.3, 5.7)	8.1 (7.2, 8.9)	-3.0 (-4.1, -2.0)
Treatment and control			
Hypertension, %	40.9 (39.3, 42.5)	49.3 (47.0, 51.6)	-8.4 (-10.7, -6.1)
Treated, %	61.3 (58.5, 64.1)	49.9 (47.0, 52.7)	11.4 (8.6, 14.3)
Controlled among treated, %	45.8 (41.7, 49.9)	46.0 (42.6, 49.4)	-0.2 (-5.4, 5.0)
Controlled among overall population, %	28.1 (24.9, 31.3)	23.0 (20.6, 25.3)	5.1 (1.6, 8.6)
Diabetes, %	9.9 (9.1, 10.6)	11.3 (10.3, 12.4)	-1.5 (-2.8, -0.2)
Treated, %	78.3 (74.5, 82.1)	75.7 (71.5, 80.0)	2.6 (-3.6, 8.7)
Controlled among treated, %	31.5 (26.4, 36.7)	29.0 (23.0, 34.9)	2.6 (-5.0, 10.2)
Controlled among overall population, %	24.7 (20.3, 29.1)	21.9 (17.0, 26.9)	2.8 (-3.7, 9.2)
Dyslipidemia, %	27.9 (26.4, 29.3)	27.8 (26.4, 29.1)	0.1 (-1.9, 2.0)
Treated, %	54.2 (50.6, 57.8)	61.1 (57.7, 64.5)	-6.9 (-11.6, -2.3)
Controlled among treated, %	88.7 (86.2, 91.2)	93.9 (92.6, 95.2)	-5.2 (-7.9, -2.4)
Controlled among overall population, %	48.1 (44.4, 51.7)	57.4 (54.2, 60.5)	-9.3 (-13.5, -5.0)
Number of risk factors*			
None	37.8 (36.1, 39.6)	29.1 (27.0, 31.2)	8.7 (6.4, 11.0)
1 risk factor	34.9 (33.4, 36.4)	39.2 (36.9, 41.5)	-4.3 (-6.9, -1.6)
2 risk factors	20.1 (18.6, 21.6)	22.8 (21.1, 24.6)	-2.7 (-4.7, -0.8)
3 or 4 risk factors	7.1 (6.5, 7.7)	8.9 (8.0, 9.8)	-1.7 (-2.8, -0.6)

Age and race are sample means (standard deviation) and percentages, respectively. Other values are means for continuous variables and percentages for categorical variables, age-standardized to the US standard population in 2015-16. Values between brackets indicate 95% confidence intervals.

* Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. Participants with a self-reported Asian background were included in the 'other' group. BP; blood pressure; BMI, body mass index; HDL; high-density lipoprotein; CVD, cardiovascular disease

Supplementary Table 5 P-values for sex differences in linear trend between 2001-2016 in cardiovascular risk factors, treatment, and control

	Overall	By age					Interaction	By race				By CVD status		
		20-34	35-49	50-64	65-79	Hispanic		Non-Hispanic White	Non-Hispanic Black	Other	Interaction	No CVD	CVD	Interaction
Systolic BP, mmHg	0.113	0.109	0.367	<i>0.001</i>	<i><0.001</i>	<i><0.001</i>	0.563	0.432	0.436	0.019	0.146	0.132	0.217	0.390
Current smoking, %	0.114	0.095	0.355	<i>0.026</i>	<i>0.036</i>	<i>0.014</i>	0.307	0.201	0.605	0.322	0.635	<i>0.037</i>	0.347	0.172
BMI, kg/m ²	0.006	0.347	0.171	0.058	0.259	0.672	0.630	0.019	0.635	0.909	0.240	<i>0.006</i>	0.454	0.891
Total cholesterol, mg/dL	0.002	0.259	0.422	<i>0.040</i>	0.085	<i>0.017</i>	<i>0.022</i>	<i>0.009</i>	0.246	0.665	0.268	<i>0.003</i>	0.973	0.369
HDL cholesterol, mg/dL	0.872	0.486	0.898	0.898	0.471	0.645	0.588	0.687	0.752	0.883	0.993	0.861	0.887	0.846
HbA1c, %	0.835	0.422	0.107	0.330	0.319	0.062	0.221	0.725	0.902	0.236	0.072	0.323	0.296	0.229
Hypertension, %	0.085	<i>0.010</i>	0.439	0.204	0.725	<i>0.003</i>	0.146	0.252	0.184	0.964	0.593	0.068	0.948	0.445
Hypertension, treated, %	0.201	0.494	0.893	0.647	0.546	0.589	0.436	0.307	<i>0.026</i>	0.395	0.530	0.170	0.170	0.062
Hypertension, controlled among treated, %	0.093	0.135	0.300	0.058	0.192	0.315	0.107	0.414	0.084	0.750	0.838	0.289	0.075	0.195
Hypertension, controlled among overall population, %	0.144	0.486	0.996	0.135	0.135	0.333	0.200	0.570	0.331	0.306	0.715	0.317	0.046	0.081
Diabetes, %	0.285	0.517	0.169	0.958	0.029	<i>0.031</i>	0.430	0.308	0.650	0.233	0.138	0.606	0.353	0.391
Diabetes, treated, %	0.078	0.136	0.603	0.884	0.387	0.755	0.205	<i>0.045</i>	0.206	0.066	<i>0.024</i>	0.088	0.682	0.515
Diabetes, controlled among treated, %	0.042	0.395	0.576	<i>0.032</i>	0.283	0.511	0.163	0.057	0.547	0.622	0.737	<i>0.046</i>	0.520	0.804
Diabetes, controlled among overall population, %	0.159	0.666	0.750	0.051	0.474	0.694	0.405	0.249	0.869	0.268	0.628	0.173	0.596	0.958
Dyslipidemia, %	0.465	0.348	0.650	0.379	0.069	0.076	0.760	0.461	0.830	0.385	0.529	0.853	<i>0.020</i>	<i>0.018</i>
Dyslipidemia, treated, %	0.152	0.873	0.726	0.520	0.692	0.763	0.920	0.061	0.145	0.235	0.735	0.267	0.470	0.258
Dyslipidemia, controlled among treated, %	0.964	<i>0.021</i>	0.616	0.734	0.981	0.858	0.816	0.772	0.808	0.492	0.714	0.837	0.696	0.643
Dyslipidemia, controlled among overall population, %	0.074	0.526	0.599	0.421	0.925	0.965	0.891	<i>0.031</i>	0.454	0.378	0.879	0.159	0.614	0.276

P-values are derived from regression models including an interaction term between sex and calendar period modelled as continuous variable. P-values for interaction indicate whether sex differences in trends differed by age, race, and CVD status. Participants with a self-reported Asian background were included in the 'other' group. BP; blood pressure; BMI, body mass index; HDL; high-density lipoprotein; CVD, cardiovascular disease

Supplementary Table 6 Systolic blood pressure, body mass index, current smoking, total cholesterol, HDL cholesterol, and HbA1c in 2013-2016, by sex, age group, history of CVD, and race

	Systolic BP, mmHg			Current smoking, %			BMI, kg/m ²		
	Women	Men	Difference	Women	Men	Difference	Women	Men	Difference
Age group									
20-34	110.8 (110.1, 111.6)	119.0 (118.0, 119.9)	-8.1 (-9.1, -7.2)	20.3 (17.7, 22.8)	25.6 (22.6, 28.6)	-5.3 (-8.4, -2.2)	28.5 (28.0, 29.0)	28.0 (27.4, 28.6)	0.5 (0.0, 1.1)
35-49	116.6 (115.7, 117.5)	122.3 (121.2, 123.4)	-5.7 (-7.1, -4.3)	19.9 (17.2, 22.5)	22.1 (19.1, 25.2)	-2.3 (-5.1, 0.5)	29.8 (29.3, 30.3)	29.6 (29.1, 30.1)	0.2 (-0.4, 0.7)
50-64	125.0 (123.7, 126.3)	127.6 (126.3, 128.8)	-2.6 (-4.2, -0.9)	21.1 (17.0, 25.3)	21.4 (18.8, 24.1)	-0.3 (-4.4, 3.8)	30.6 (30.0, 31.2)	29.5 (29.1, 29.8)	1.1 (0.5, 1.8)
64-79	132.7 (131.4, 134.1)	130.9 (129.3, 132.5)	1.8 (0.0, 3.7)	8.1 (6.4, 9.8)	14.0 (10.1, 17.8)	-5.9 (-10.2, -1.6)	29.7 (29.0, 30.3)	29.1 (28.6, 29.6)	0.5 (-0.2, 1.3)
History of CVD									
No	119.3 (118.8, 119.8)	123.9 (123.2, 124.5)	-4.5 (-5.3, -3.8)	17.7 (15.8, 19.5)	21.2 (19.1, 23.3)	-3.5 (-5.4, -1.7)	29.5 (29.1, 29.8)	28.8 (28.5, 29.1)	0.6 (0.3, 0.9)
Yes	128.3 (125.1, 131.5)	127.1 (125.0, 129.3)	1.2 (-2.7, 5.1)	30.7 (23.3, 38.1)	27.1 (22.2, 32.0)	3.6 (-4.5, 11.8)	32.3 (30.6, 34.0)	31.2 (30.5, 31.9)	1.1 (-0.8, 2.9)
Race									
Hispanic	120.6 (119.8, 121.4)	125.0 (124.2, 125.8)	-4.4 (-5.4, -3.4)	9.5 (8.1, 10.9)	19.9 (16.8, 22.9)	-10.4 (-14.0, -6.8)	30.9 (30.4, 31.4)	29.7 (29.2, 30.2)	1.2 (0.6, 1.8)
Non-Hispanic White	118.7 (118.0, 119.4)	123.1 (122.2, 124.0)	-4.4 (-5.5, -3.4)	20.6 (17.6, 23.6)	20.6 (18.1, 23.1)	0.0 (-2.5, 2.6)	29.3 (28.8, 29.8)	29.1 (28.8, 29.4)	0.2 (-0.3, 0.6)
Non-Hispanic Black	125.1 (123.9, 126.4)	128.9 (127.9, 130.0)	-3.8 (-5.3, -2.2)	20.7 (17.6, 23.8)	30.9 (27.8, 33.9)	-10.1 (-14.5, -5.8)	32.3 (31.7, 32.8)	29.0 (28.6, 29.5)	3.2 (2.7, 3.7)
Other	119.7 (118.1, 121.3)	124.5 (123.0, 126.0)	-4.8 (-6.7, -2.9)	14.7 (9.2, 20.1)	22.5 (17.7, 27.4)	-7.9 (-14.8, -1.0)	26.4 (25.7, 27.2)	27.1 (26.4, 27.8)	-0.7 (-1.7, 0.4)
							30.9 (30.4, 31.4)	29.7 (29.2, 30.2)	1.2 (0.6, 1.8)
	Total cholesterol, mg/dL			HDL cholesterol, mg/dL			HbA1c, %		
Age group	Women	Men	Difference	Women	Men	Difference	Women	Men	Difference
20-34	176.4 (173.5, 179.3)	178.6 (176.2, 181.1)	-2.3 (-6.0, 1.5)	57.7 (56.4, 58.9)	47.9 (46.5, 49.4)	9.7 (8.3, 11.1)	5.2 (5.2, 5.2)	5.2 (5.2, 5.3)	0.0 (-0.1, 0.0)
35-49	193.8 (191.4, 196.1)	202.2 (198.3, 206.2)	-8.5 (-12.5, -4.4)	58.2 (57.2, 59.3)	46.5 (45.5, 47.5)	11.7 (10.5, 12.9)	5.5 (5.5, 5.6)	5.6 (5.5, 5.7)	-0.1 (-0.1, 0.0)
50-64	207.7 (204.6, 210.8)	192.7 (189.2, 196.2)	15.0 (11.1, 19.0)	61.6 (60.2, 63.1)	49.2 (48.0, 50.4)	12.5 (10.6, 14.3)	5.8 (5.8, 5.9)	6.0 (5.9, 6.1)	-0.1 (-0.2, 0.0)
64-79	201.6 (198.7, 204.6)	174.9 (170.8, 179.0)	26.8 (21.8, 31.7)	63.1 (60.9, 65.3)	49.9 (48.0, 51.9)	13.1 (10.5, 15.8)	5.9 (5.9, 6.0)	6.1 (6.0, 6.2)	-0.2 (-0.3, 0.0)
History of CVD									
No	194.2 (192.7, 195.7)	190.0 (187.8, 192.3)	4.2 (1.9, 6.5)	60.0 (59.1, 60.8)	48.4 (47.7, 49.2)	11.5 (10.8, 12.3)	5.6 (5.5, 5.6)	5.6 (5.6, 5.7)	-0.1 (-0.1, 0.0)
Yes	187.9 (182.2, 193.6)	168.7 (162.7, 174.8)	19.1 (11.0, 27.3)	56.1 (53.9, 58.3)	45.4 (43.3, 47.5)	10.7 (7.7, 13.8)	6.1 (6.0, 6.2)	6.4 (6.2, 6.6)	-0.3 (-0.6, 0.0)
Race									
Hispanic	192.0 (189.8, 194.3)	192.7 (189.8, 195.5)	-0.6 (-4.0, 2.8)	54.4 (53.3, 55.5)	45.9 (44.9, 46.9)	8.6 (7.3, 9.8)	5.9 (5.8, 5.9)	5.9 (5.8, 6.0)	0.0 (-0.1, 0.0)
Non-Hispanic White	195.8 (194.2, 197.4)	188.3 (185.7, 190.9)	7.5 (4.7, 10.4)	61.0 (60.0, 62.1)	48.3 (47.4, 49.2)	12.7 (11.6, 13.9)	5.5 (5.4, 5.5)	5.6 (5.5, 5.6)	-0.1 (-0.2, -0.1)
Non-Hispanic Black	186.2 (183.3, 189.1)	182.7 (179.4, 185.9)	3.5 (-0.3, 7.3)	59.9 (58.6, 61.2)	52.6 (51.9, 53.3)	7.3 (6.0, 8.6)	5.9 (5.8, 5.9)	5.9 (5.8, 6.0)	0.0 (-0.1, 0.1)
Other	193.3 (188.4, 198.2)	187.6 (184.3, 190.9)	5.7 (0.1, 11.4)	59.3 (57.6, 61.0)	46.5 (45.3, 47.6)	12.8 (10.9, 14.8)	5.7 (5.6, 5.7)	5.8 (5.7, 5.9)	-0.2 (-0.3, -0.1)

Estimates are means for continuous variables and percentages for categorical variables, age-standardized to the US standard population in 2015-16. Values between brackets indicate 95% confidence intervals. Participants with a self-reported Asian background were included in the 'other' group. BP; blood pressure; BMI, body mass index; HDL; high-density lipoprotein; CVD, cardiovascular disease

Supplementary Table 7 Prevalence of hypertension, diabetes, and dyslipidemia in 2013-2016, by sex, age group, history of CVD, and race

	Women	Hypertension			Diabetes			Dyslipidemia		
		Men	Difference	Women	Men	Difference	Women	Men	Difference	
Age group										
20-34	11.0 (9.0, 13.0)	24.0 (20.3, 27.7)	-13.0 (-17.0, -9.1)	1.7 (0.9, 2.4)	1.5 (0.8, 2.2)	0.2 (-0.8, 1.3)	5.5 (3.7, 7.3)	7.5 (5.9, 9.1)	-2.0 (-4.3, 0.2)	
35-49	34.5 (31.2, 37.8)	45.7 (42.1, 49.3)	-11.2 (-15.4, -7.0)	8.4 (6.9, 9.9)	7.9 (6.0, 9.9)	0.5 (-2.2, 3.1)	15.5 (13.6, 17.5)	24.5 (20.9, 28.1)	-9.0 (-12.8, -5.1)	
50-64	60.6 (56.6, 64.6)	65.3 (61.6, 69.1)	-4.7 (-9.5, 0.0)	16.1 (13.6, 18.6)	19.9 (17.1, 22.7)	-3.8 (-7.9, 0.3)	40.0 (36.3, 43.6)	43.8 (40.3, 47.2)	-3.8 (-8.7, 1.1)	
64-79	79.3 (76.1, 82.6)	73.8 (69.1, 78.5)	5.5 (0.1, 11.0)	21.9 (19.1, 24.8)	30.8 (25.4, 36.1)	-8.9 (-14.7, -3.1)	57.1 (53.3, 61.0)	55.2 (49.4, 61.0)	1.9 (-5.3, 9.2)	
History of CVD										
No	39.8 (38.5, 41.2)	46.7 (44.3, 49.0)	-6.8 (-9.4, -4.2)	9.4 (8.5, 10.4)	10.8 (9.5, 12.1)	-1.4 (-2.7, -0.1)	23.9 (22.3, 25.6)	26.0 (24.5, 27.5)	-2.0 (-4.1, 0.0)	
Yes	79.2 (73.5, 84.8)	77.4 (72.1, 82.7)	1.7 (-5.9, 9.4)	32.6 (28.4, 36.8)	37.0 (31.2, 42.7)	-4.4 (-11.7, 3.0)	59.3 (53.8, 64.7)	71.1 (64.3, 77.8)	-11.8 (-21.5, -2.2)	
Race										
Hispanic	41.2 (39.4, 43.1)	47.3 (44.6, 50.0)	-6.1 (-9.3, -2.8)	15.7 (13.3, 18.0)	16.2 (14.2, 18.3)	-0.5 (-2.6, 1.5)	23.1 (21.3, 24.8)	26.8 (24.7, 29.0)	-3.8 (-6.3, -1.3)	
Non-Hispanic White	39.7 (37.6, 41.7)	47.6 (44.4, 50.7)	-7.9 (-11.5, -4.3)	8.5 (7.1, 9.8)	11.2 (9.6, 12.8)	-2.7 (-4.7, -0.8)	26.9 (24.8, 29.1)	31.2 (29.1, 33.3)	-4.2 (-7.2, -1.2)	
Non-Hispanic Black	56.0 (53.4, 58.7)	60.8 (58.2, 63.5)	-4.8 (-8.7, -0.8)	16.6 (14.4, 18.8)	16.8 (14.7, 18.9)	-0.2 (-3.2, 2.8)	23.4 (20.8, 26.1)	24.8 (22.5, 27.0)	-1.3 (-4.1, 1.4)	
Other	42.4 (37.9, 46.9)	50.5 (47.2, 53.7)	-8.1 (-12.7, -3.5)	11.1 (8.9, 13.4)	15.5 (12.6, 18.3)	-4.3 (-7.3, -1.4)	27.6 (23.4, 31.7)	28.9 (23.4, 34.4)	-1.3 (-7.6, 4.9)	

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Participants with a self-reported Asian background were included in the 'other' group. CVD, cardiovascular disease

Supplementary Table 8 Treatment and control of hypertension in 2013-2016, by sex, age group, history of CVD, and race

	Women	Treated			Control among treated			Control among overall population		
		Men	Difference		Women	Men	Difference	Women	Men	Difference
Age group										
20-34	33.0 (27.0, 39.1)	21.4 (16.4, 26.4)	11.7 (4.4, 18.9)	61.7 (43.6, 79.7)	34.4 (17.7, 51.0)	27.3 (2.4, 52.3)	20.4 (12.8, 28.0)	7.3 (3.5, 11.2)	13.0 (4.5, 21.6)	
35-49	52.9 (47.4, 58.5)	41.2 (35.4, 46.9)	11.8 (4.7, 18.8)	54.6 (48.3, 60.9)	40.2 (30.5, 49.9)	14.4 (3.2, 25.7)	28.9 (25.1, 32.7)	16.5 (12.0, 21.1)	12.4 (6.9, 17.8)	
50-64	66.0 (61.6, 70.5)	62.5 (58.9, 66.1)	3.5 (-2.6, 9.6)	49.6 (42.3, 56.8)	42.8 (36.7, 48.9)	6.8 (-1.6, 15.2)	32.7 (26.6, 38.9)	26.7 (22.3, 31.2)	6.0 (-1.2, 13.2)	
64-79	77.6 (73.6, 81.5)	71.4 (66.4, 76.5)	6.2 (-0.5, 12.8)	38.4 (33.2, 43.6)	41.5 (36.0, 47.0)	-3.1 (-9.8, 3.5)	29.8 (25.7, 33.9)	29.7 (25.2, 34.1)	0.1 (-4.8, 5.1)	
History of CVD										
No	61.3 (58.2, 64.3)	48.6 (45.6, 51.6)	12.7 (9.2, 16.1)	45.4 (41.9, 49.0)	39.3 (34.7, 44.0)	6.1 (1.2, 11.0)	27.8 (24.7, 30.9)	19.1 (16.2, 22.1)	8.7 (5.4, 12.0)	
Yes	86.9 (82.8, 91.0)	85.5 (82.3, 88.8)	1.4 (-2.7, 5.5)	55.4 (47.1, 63.6)	49.4 (40.3, 58.5)	6.0 (-6.8, 18.8)	48.1 (40.8, 55.4)	42.3 (34.5, 50.0)	5.9 (-5.5, 17.2)	
Race										
Hispanic	62.2 (57.9, 66.6)	47.5 (43.4, 51.6)	14.8 (8.7, 20.9)	49.3 (45.7, 52.9)	37.3 (31.1, 43.5)	12.0 (5.0, 19.0)	30.7 (27.7, 33.7)	17.7 (14.6, 20.8)	13.0 (9.1, 16.9)	
Non-Hispanic White	62.9 (59.0, 66.8)	54.8 (50.7, 58.8)	8.1 (3.5, 12.7)	48.6 (43.2, 54.0)	44.5 (39.3, 49.6)	4.1 (-1.9, 10.2)	30.6 (26.2, 34.9)	24.4 (20.3, 28.4)	6.2 (1.4, 11.0)	
Non-Hispanic Black	70.3 (66.1, 74.5)	59.0 (54.4, 63.5)	11.4 (4.7, 18.0)	39.1 (33.0, 45.2)	31.6 (27.5, 35.8)	7.5 (-0.4, 15.3)	27.5 (23.2, 31.7)	18.7 (15.7, 21.6)	8.8 (3.9, 13.8)	
Other	63.6 (55.9, 71.3)	44.4 (36.7, 52.1)	19.2 (7.1, 31.4)	47.1 (36.0, 58.2)	40.4 (28.4, 52.3)	6.7 (-9.9, 23.3)	30.0 (21.4, 38.5)	17.9 (11.6, 24.2)	12.1 (0.9, 23.2)	

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Participants with a self-reported Asian background were included in the 'other' group. CVD, cardiovascular disease

Supplementary Table 9 Treatment and control of dyslipidemia in 2013-2016, by sex, age group, history of CVD, and race

	Treated			Control among treated			Control among overall population		
	Women	Men	Difference	Women	Men	Difference	Women	Men	Difference
Age group									
20-34	6.7 (3.4, 10.0)	14.7 (2.9, 26.5)	-8.0 (-20.2, 4.3)	92.7 (77.3, 108.2)	70.9 (47.7, 94.0)	21.9 (-5.7, 49.4)	6.2 (2.6, 9.8)	10.4 (1.8, 19.0)	-4.2 (-13.5, 5.2)
35-49	28.6 (19.9, 37.2)	39.4 (31.8, 47.1)	-10.9 (-22.8, 1.1)	87.5 (77.5, 97.4)	80.1 (69.9, 90.2)	7.4 (-6.9, 21.7)	25.0 (16.4, 33.5)	31.6 (23.8, 39.4)	-6.6 (-18.8, 5.6)
50-64	57.4 (51.3, 63.4)	74.5 (69.7, 79.2)	-17.1 (-24.4, -9.8)	88.9 (84.6, 93.2)	95.2 (92.7, 97.8)	-6.3 (-11.6, -1.1)	51.0 (45.1, 56.9)	70.9 (66.5, 75.3)	-19.9 (-27.2, -12.6)
64-79	75.5 (71.2, 79.8)	92.1 (89.1, 95.1)	-16.6 (-22.0, -11.2)	91.2 (87.1, 95.4)	97.7 (96.1, 99.4)	-6.5 (-10.4, -2.5)	68.9 (64.7, 73.1)	90.0 (86.4, 93.6)	-21.1 (-27.2, -15.1)
History of CVD									
No	51.7 (47.5, 55.8)	60.4 (56.1, 64.7)	-8.7 (-14.2, -3.3)	89.3 (86.1, 92.4)	93.4 (90.9, 95.9)	-4.1 (-8.0, -0.3)	46.1 (41.9, 50.3)	56.4 (52.1, 60.7)	-10.3 (-16.2, -4.4)
Yes	83.3 (77.2, 89.4)	95.8 (93.0, 98.5)	-12.5 (-19.3, -5.6)	92.6 (90.2, 95.0)	95.0 (92.3, 97.7)	-2.4 (-6.0, 1.2)	77.1 (71.1, 83.2)	91.0 (87.1, 94.9)	-13.8 (-21.3, -6.4)
Race									
Hispanic	60.5 (55.3, 65.7)	54.1 (48.2, 60.0)	6.5 (-2.5, 15.4)	89.8 (85.5, 94.0)	94.7 (91.6, 97.8)	-4.9 (-8.6, -1.3)	54.3 (48.9, 59.7)	51.2 (44.9, 57.5)	3.1 (-5.2, 11.4)
Non-Hispanic White	52.8 (47.5, 58.1)	69.6 (64.6, 74.5)	-16.8 (-23.0, -10.5)	89.6 (85.5, 93.7)	94.1 (91.7, 96.5)	-4.5 (-8.8, -0.2)	47.3 (41.6, 53.1)	65.5 (61.0, 69.9)	-18.2 (-25.1, -11.3)
Non-Hispanic Black	68.5 (61.3, 75.6)	70.3 (66.0, 74.5)	-1.8 (-9.6, 6.0)	88.7 (82.5, 94.9)	90.4 (85.3, 95.5)	-1.7 (-10.1, 6.6)	60.7 (52.8, 68.6)	63.5 (59.6, 67.5)	-2.8 (-11.6, 6.0)
Other	56.2 (47.1, 65.3)	67.2 (59.3, 75.2)	-11.0 (-23.8, 1.8)	94.1 (89.6, 98.7)	93.9 (89.9, 97.8)	0.3 (-6.5, 7.0)	52.9 (44.1, 61.7)	63.1 (54.4, 71.8)	-10.2 (-23.2, 2.8)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Participants with a self-reported Asian background were included in the 'other' group. CVD, cardiovascular disease

Supplementary Table 10 Treatment and control of diabetes in 2013-2016, by sex, age group, history of CVD, and race

	Women	Treated			Control among treated			Control among overall population		
		Men	Difference		Women	Men	Difference	Women	Men	Difference
Age group										
20-34	68.8 (51.2, 86.5)	73.1 (51.0, 95.2)	-4.3 (-32.1, 23.6)	53.9 (27.0, 80.9)	17.6 (-8.1, 43.2)	36.4 (-7.0, 79.8)	37.1 (17.9, 56.4)	12.8 (-5.7, 31.4)	24.3 (-5.6, 54.1)	
35-49	68.3 (57.9, 78.6)	65.6 (55.3, 75.8)	2.7 (-9.4, 14.7)	40.0 (26.9, 53.1)	29.1 (13.5, 44.6)	10.9 (-9.4, 31.2)	27.3 (16.9, 37.6)	19.1 (7.7, 30.4)	8.2 (-6.5, 23.0)	
50-64	82.1 (77.1, 87.1)	78.7 (70.4, 87.0)	3.4 (-6.0, 12.8)	32.7 (24.6, 40.8)	17.0 (10.1, 24.0)	15.7 (3.7, 27.6)	26.8 (20.4, 33.2)	13.4 (7.8, 19.0)	13.4 (4.4, 22.4)	
64-79	89.3 (85.0, 93.7)	88.6 (84.3, 92.9)	0.7 (-4.6, 6.1)	37.7 (29.1, 46.3)	31.0 (24.1, 38.0)	6.7 (-2.8, 16.2)	33.7 (25.4, 42.0)	27.5 (20.9, 34.1)	6.2 (-3.0, 15.4)	
History of CVD										
No	79.4 (75.8, 82.9)	78.7 (73.7, 83.7)	0.7 (-4.2, 5.6)	37.9 (31.8, 44.0)	23.8 (17.1, 30.5)	14.1 (6.1, 22.0)	30.1 (25.2, 34.9)	18.7 (13.0, 24.5)	11.3 (5.2, 17.5)	
Yes	87.5 (81.3, 93.7)	84.5 (76.2, 92.8)	3.0 (-7.4, 13.4)	31.6 (17.9, 45.3)	26.2 (16.4, 36.0)	5.4 (-14.4, 25.2)	27.6 (15.7, 39.6)	22.1 (13.5, 30.7)	5.5 (-11.7, 22.8)	
Race										
Hispanic	77.4 (71.2, 83.5)	73.3 (67.3, 79.4)	4.0 (-3.9, 12.0)	21.6 (14.1, 29.0)	19.5 (13.6, 25.3)	2.1 (-6.4, 10.6)	16.7 (10.3, 23.1)	14.3 (9.7, 18.9)	2.4 (-4.5, 9.4)	
Non-Hispanic White	85.3 (80.7, 89.8)	84.1 (77.6, 90.6)	1.1 (-6.0, 8.3)	41.7 (32.3, 51.2)	26.1 (18.2, 34.0)	15.6 (5.4, 25.9)	35.6 (27.8, 43.3)	22.0 (14.8, 29.1)	13.6 (4.9, 22.3)	
Non-Hispanic Black	72.4 (64.9, 79.9)	82.1 (76.5, 87.7)	-9.7 (-17.5, -1.9)	37.5 (27.1, 47.9)	25.7 (19.2, 32.1)	11.8 (-0.8, 24.5)	27.1 (18.3, 35.9)	21.1 (15.5, 26.6)	6.1 (-4.8, 16.9)	
Other	81.3 (73.6, 88.9)	67.6 (55.7, 79.5)	13.7 (0.4, 27.0)	40.5 (27.0, 54.0)	21.0 (11.0, 30.9)	19.6 (3.0, 36.1)	32.9 (21.6, 44.3)	14.2 (6.7, 21.6)	18.8 (6.1, 31.5)	

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Participants with a self-reported Asian background were included in the 'other' group. CVD, cardiovascular disease

Supplementary Table 11 HbA1C levels among individuals with diabetes between 2001 and 2016, by sex

HbA1c level	Percentage among treated			Percentage among overall population		
	Women	Men	Difference	Women	Men	Difference
	2001-2004					
<6.5%	27.3 (21.7, 33.0)	27.4 (22.1, 32.7)	0.0 (-7.6, 7.5)	20.7 (15.9, 25.4)	19.6 (15.7, 23.4)	1.1 (-5.5, 7.7)
≥6.5% and <7%	12.8 (8.7, 17.0)	15.4 (10.3, 20.5)	-2.6 (-9.0, 3.8)	25.1 (19.1, 31.2)	23.2 (18.9, 27.5)	1.9 (-5.5, 9.4)
≥7% and <7.5%	15.3 (10.4, 20.2)	18.2 (12.8, 23.5)	-2.9 (-9.8, 4.0)	14.9 (10.1, 19.6)	16.6 (12.6, 20.5)	-1.7 (-7.9, 4.4)
≥7.5%	44.6 (36.9, 52.2)	39.0 (32.9, 45.2)	5.5 (-1.8, 12.9)	39.3 (32.7, 46.0)	40.7 (35.1, 46.2)	-1.3 (-7.4, 4.7)
	2005-2008					
<6.5%	36.0 (29.8, 42.2)	37.4 (30.6, 44.1)	-1.4 (-9.9, 7.0)	29.0 (23.5, 34.5)	27.2 (21.2, 33.3)	1.8 (-5.8, 9.3)
≥6.5% and <7%	18.1 (13.3, 22.9)	13.3 (9.2, 17.4)	4.8 (-1.5, 11.1)	26.3 (22.1, 30.5)	20.9 (16.7, 25.0)	5.4 (-0.4, 11.2)
≥7% and <7.5%	14.4 (9.4, 19.4)	12.8 (9.4, 16.2)	1.6 (-5.1, 8.4)	14.7 (10.3, 19.0)	14.5 (10.8, 18.3)	0.1 (-6.2, 6.4)
≥7.5%	31.5 (26.7, 36.3)	36.6 (31.0, 42.1)	-5.0 (-12.0, 2.0)	30.1 (25.9, 34.3)	37.3 (31.9, 42.8)	-7.3 (-13.5, -1.0)
	2009-2012					
<6.5%	31.5 (26.4, 36.7)	29.0 (23.0, 34.9)	2.6 (-5.0, 10.2)	24.7 (20.3, 29.1)	21.9 (17.0, 26.9)	2.8 (-3.7, 9.2)
≥6.5% and <7%	17.8 (13.8, 21.9)	19.8 (14.8, 24.9)	-2.0 (-9.8, 5.8)	26.7 (22.7, 30.8)	25.7 (21.7, 29.7)	1.0 (-5.1, 7.2)
≥7% and <7.5%	13.7 (9.8, 17.6)	12.4 (8.2, 16.7)	1.3 (-4.4, 6.9)	12.8 (9.8, 15.7)	11.9 (8.4, 15.5)	0.9 (-3.3, 5.0)
≥7.5%	36.9 (31.9, 41.9)	38.8 (31.9, 45.6)	-1.9 (-9.1, 5.4)	35.8 (31.6, 40.0)	40.4 (34.9, 46.0)	-4.7 (-10.1, 0.8)
	2013-2016					
<6.5%	36.7 (30.5, 42.9)	24.4 (19.1, 29.7)	12.3 (4.9, 19.7)	29.6 (24.5, 34.8)	19.5 (14.8, 24.3)	10.1 (4.0, 16.2)
≥6.5% and <7%	16.3 (13.0, 19.7)	18.7 (14.7, 22.7)	-2.4 (-6.7, 2.0)	22.7 (19.5, 25.9)	23.7 (19.6, 27.7)	-1.0 (-5.1, 3.1)
≥7% and <7.5%	13.3 (9.0, 17.7)	14.3 (10.9, 17.7)	-0.9 (-6.5, 4.6)	13.5 (10.3, 16.7)	14.2 (11.4, 17.0)	-0.7 (-4.9, 3.5)
≥7.5%	33.7 (28.5, 38.8)	42.6 (37.1, 48.1)	-9.0 (-15.6, -2.3)	34.2 (29.2, 39.2)	42.6 (37.8, 47.5)	-8.4 (-14.8, -2.0)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16.

Supplementary Table 12 HbA1C levels among individuals with diabetes in 2013-2016, by sex and age group

HbA1c level	Percentage among treated			Percentage among overall population		
	Women	Men	Difference	Women	Men	Difference
	20-34 years					
<6.5%	53.9 (27.0, 80.9)	17.6 (-8.1, 43.2)	36.4 (-7.0, 79.8)	37.1 (17.9, 56.4)	12.8 (-5.7, 31.4)	24.3 (-5.6, 54.1)
≥6.5% and <7%	18.2 (-11.0, 47.5)	35.2 (-0.4, 70.8)	-17.0 (-60.1, 26.1)	18.8 (-3.3, 41.0)	32.9 (6.5, 59.4)	-14.1 (-46.2, 18.0)
≥7% and <7.5%	2.6 (-2.4, 7.6)	4.9 (-4.8, 14.7)	-2.4 (-14.2, 9.5)	4.1 (-2.3, 10.4)	10.0 (-1.6, 21.6)	-5.9 (-20.1, 8.2)
≥7.5%	25.3 (4.8, 45.7)	42.3 (10.2, 74.4)	-17.1 (-58.3, 24.2)	40.0 (22.2, 57.7)	44.2 (17.4, 71.0)	-4.3 (-37.3, 28.8)
	35-49 years					
<6.5%	40.0 (26.9, 53.1)	29.1 (13.5, 44.6)	10.9 (-9.4, 31.2)	27.3 (16.9, 37.6)	19.1 (7.7, 30.4)	8.2 (-6.5, 23.0)
≥6.5% and <7%	12.0 (7.2, 16.7)	16.5 (7.3, 25.8)	-4.6 (-15.1, 5.9)	23.1 (15.6, 30.5)	26.3 (17.9, 34.7)	-3.2 (-14.3, 7.8)
≥7% and <7.5%	9.4 (2.3, 16.5)	4.2 (0.5, 7.9)	5.3 (-2.4, 13.0)	8.1 (2.9, 13.4)	5.4 (2.3, 8.5)	2.7 (-3.7, 9.1)
≥7.5%	38.6 (25.0, 52.3)	50.2 (35.4, 65.1)	-11.6 (-31.7, 8.5)	41.5 (28.8, 54.2)	49.2 (38.5, 60.0)	-7.7 (-24.8, 9.4)
	50-64 years					
<6.5%	32.7 (24.6, 40.8)	17.0 (10.1, 24.0)	15.7 (3.7, 27.6)	26.8 (20.4, 33.2)	13.4 (7.8, 19.0)	13.4 (4.4, 22.4)
≥6.5% and <7%	16.2 (10.2, 22.3)	15.9 (11.3, 20.6)	0.3 (-6.6, 7.2)	22.8 (17.6, 27.9)	19.7 (15.0, 24.3)	3.1 (-2.2, 8.4)
≥7% and <7.5%	13.6 (7.1, 20.1)	17.3 (10.3, 24.3)	-3.7 (-14.6, 7.2)	14.5 (10.1, 18.8)	18.0 (12.9, 23.0)	-3.5 (-10.7, 3.8)
≥7.5%	37.5 (29.0, 45.9)	49.7 (41.1, 58.4)	-12.2 (-22.9, -1.6)	36.0 (28.4, 43.5)	49.0 (41.9, 56.0)	-13.0 (-21.9, -4.2)
	65-79 years					
<6.5%	37.7 (29.1, 46.3)	31.0 (24.1, 38.0)	6.7 (-2.8, 16.2)	33.7 (25.4, 42.0)	27.5 (20.9, 34.1)	6.2 (-3.0, 15.4)
≥6.5% and <7%	18.5 (12.8, 24.2)	21.0 (14.2, 27.7)	-2.5 (-10.3, 5.3)	22.8 (16.0, 29.6)	26.3 (19.4, 33.3)	-3.5 (-12.3, 5.3)
≥7% and <7.5%	16.2 (10.4, 22.0)	15.2 (9.6, 20.9)	1.0 (-6.8, 8.7)	17.3 (11.2, 23.3)	14.1 (9.2, 19.1)	3.2 (-4.9, 11.2)
≥7.5%	27.6 (18.9, 36.2)	32.8 (26.1, 39.4)	-5.2 (-14.9, 4.5)	26.2 (18.3, 34.1)	32.1 (26.4, 37.8)	-5.9 (-14.7, 2.9)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16.

Supplementary Table 13 HbA1C levels among individuals with diabetes in 2013-2016, by sex and CVD status

HbA1c level	Percentage among treated			Percentage among overall population		
	Women	Men	Difference	Women	Men	Difference
	No history of CVD					
<6.5%	37.9 (31.8, 44.0)	23.8 (17.1, 30.5)	14.1 (6.1, 22.0)	30.1 (25.2, 34.9)	18.7 (13.0, 24.5)	11.3 (5.2, 17.5)
≥6.5% and <7%	16.1 (12.6, 19.7)	20.1 (15.5, 24.7)	-4.0 (-8.7, 0.8)	22.9 (19.5, 26.2)	24.3 (19.8, 28.8)	-1.4 (-5.6, 2.8)
≥7% and <7.5%	10.2 (6.9, 13.4)	13.8 (9.7, 17.9)	-3.6 (-9.0, 1.7)	10.5 (8.0, 12.9)	13.3 (9.9, 16.8)	-2.9 (-6.9, 1.1)
≥7.5%	35.8 (30.7, 40.9)	42.3 (35.9, 48.6)	-6.5 (-13.3, 0.4)	36.6 (31.5, 41.7)	43.7 (38.0, 49.3)	-7.0 (-13.6, -0.5)
	History of CVD					
<6.5%	31.6 (17.9, 45.3)	26.2 (16.4, 36.0)	5.4 (-14.4, 25.2)	27.6 (15.7, 39.6)	22.1 (13.5, 30.7)	5.5 (-11.7, 22.8)
≥6.5% and <7%	17.1 (7.4, 26.8)	14.3 (6.2, 22.3)	2.8 (-7.4, 13.0)	21.8 (12.5, 31.2)	21.7 (12.9, 30.5)	0.1 (-11.8, 12.0)
≥7% and <7.5%	26.8 (12.6, 41.0)	15.8 (7.6, 24.0)	11.0 (-6.0, 28.0)	27.9 (16.6, 39.1)	17.0 (12.2, 21.9)	10.9 (-2.4, 24.1)
≥7.5%	24.5 (15.4, 33.5)	43.7 (31.1, 56.4)	-19.3 (-33.9, -4.7)	22.6 (14.6, 30.6)	39.1 (27.6, 50.6)	-16.5 (-30.2, -2.8)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. CVD, cardiovascular disease

Supplementary Table 14 HbA1C levels among individuals with diabetes in 2013-2016, by sex and race

HbA1c level	Percentage among treated			Percentage among overall population		
	Women	Men	Difference	Women	Men	Difference
	Hispanic					
<6.5%	21.6 (14.1, 29.0)	19.5 (13.6, 25.3)	2.1 (-6.4, 10.6)	16.7 (10.3, 23.1)	14.3 (9.7, 18.9)	2.4 (-4.5, 9.4)
≥6.5% and <7%	15.1 (10.9, 19.3)	15.8 (9.3, 22.4)	-0.7 (-7.5, 6.1)	18.4 (14.3, 22.6)	23.6 (18.1, 29.1)	-5.2 (-11.6, 1.2)
≥7% and <7.5%	15.7 (9.3, 22.1)	14.7 (10.6, 18.7)	1.0 (-5.9, 8.0)	13.4 (8.3, 18.4)	13.6 (9.3, 17.9)	-0.2 (-6.5, 6.0)
≥7.5%	47.6 (39.0, 56.3)	50.0 (42.6, 57.5)	-2.4 (-10.2, 5.4)	51.5 (44.0, 59.0)	48.5 (43.2, 53.8)	3.0 (-4.1, 10.1)
	Non-Hispanic White					
<6.5%	41.7 (32.3, 51.2)	26.1 (18.2, 34.0)	15.6 (5.4, 25.9)	35.6 (27.8, 43.3)	22.0 (14.8, 29.1)	13.6 (4.9, 22.3)
≥6.5% and <7%	16.9 (11.9, 21.9)	20.5 (13.9, 27.1)	-3.6 (-11.3, 4.0)	23.2 (18.5, 28.0)	23.7 (17.9, 29.5)	-0.4 (-7.1, 6.2)
≥7% and <7.5%	14.0 (7.4, 20.6)	14.7 (9.3, 20.0)	-0.7 (-9.5, 8.2)	13.7 (8.5, 18.9)	14.9 (10.2, 19.5)	-1.2 (-7.9, 5.6)
≥7.5%	27.4 (19.7, 35.1)	38.7 (31.1, 46.3)	-11.3 (-21.1, -1.6)	27.5 (19.2, 35.7)	39.5 (32.5, 46.5)	-12.0 (-22.2, -1.9)
	Non-Hispanic Black					
<6.5%	37.5 (27.1, 47.9)	25.7 (19.2, 32.1)	11.8 (-0.8, 24.5)	27.1 (18.3, 35.9)	21.1 (15.5, 26.6)	6.1 (-4.8, 16.9)
≥6.5% and <7%	17.3 (10.9, 23.7)	12.1 (7.7, 16.6)	5.2 (-3.1, 13.5)	27.8 (20.8, 34.8)	23.0 (16.9, 29.2)	4.8 (-4.4, 13.9)
≥7% and <7.5%	8.2 (2.4, 14.1)	11.7 (6.2, 17.3)	-3.5 (-12.0, 5.0)	11.2 (5.6, 16.7)	12.2 (7.9, 16.5)	-1.0 (-8.4, 6.3)
≥7.5%	37.0 (28.0, 45.9)	50.5 (42.7, 58.2)	-13.5 (-26.1, -0.9)	33.9 (26.4, 41.4)	43.7 (36.9, 50.5)	-9.8 (-21.3, 1.7)
	Other					
<6.5%	40.5 (27.0, 54.0)	21.0 (11.0, 30.9)	19.6 (3.0, 36.1)	32.9 (21.6, 44.3)	14.2 (6.7, 21.6)	18.8 (6.1, 31.5)
≥6.5% and <7%	14.0 (-0.7, 28.8)	22.4 (10.5, 34.3)	-8.4 (-25.9, 9.2)	19.4 (5.0, 33.8)	24.5 (13.9, 35.2)	-5.2 (-23.9, 13.6)
≥7% and <7.5%	13.4 (5.4, 21.4)	14.9 (3.6, 26.2)	-1.5 (-14.6, 11.6)	17.6 (8.3, 26.8)	14.2 (5.5, 22.8)	3.4 (-8.8, 15.6)
≥7.5%	32.1 (22.0, 42.2)	41.8 (27.3, 56.2)	-9.7 (-25.7, 6.3)	30.1 (21.5, 38.7)	47.1 (33.1, 61.2)	-17.0 (-30.8, -3.2)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Participants with a self-reported Asian background were included in the 'other' group.

Supplementary Table 15 Number of risk factors in 2013-2016, by sex and age group

	Women	Men	Women minus men
20-34 years			
Number of risk factors			
None	67.1 (63.9, 70.4)	52.9 (48.8, 56.9)	14.3 (9.7, 18.8)
1 risk factor	27.4 (24.4, 30.3)	36.6 (33.0, 40.2)	-9.2 (-13.1, -5.4)
2 risk factors	4.9 (3.6, 6.3)	9.3 (7.3, 11.4)	-4.4 (-6.5, -2.2)
3 risk factors	0.6 (0.3, 0.8)	1.2 (0.4, 2.0)	-0.7 (-1.6, 0.3)
35-49 years			
Number of risk factors			
None	45.4 (41.7, 49.1)	34.5 (30.5, 38.5)	10.9 (6.8, 15.0)
1 risk factor	35.4 (32.1, 38.6)	37.4 (34.2, 40.5)	-2.0 (-6.2, 2.2)
2 risk factors	14.8 (12.4, 17.3)	21.0 (18.1, 24.0)	-6.2 (-9.8, -2.7)
3 risk factors	4.5 (2.9, 6.0)	7.1 (5.1, 9.1)	-2.7 (-5.0, -0.3)
50-64 years			
Number of risk factors			
None	23.3 (19.8, 26.9)	16.5 (13.6, 19.3)	6.9 (2.7, 11.0)
1 risk factor	31.9 (28.7, 35.0)	33.6 (30.2, 37.1)	-1.8 (-6.0, 2.4)
2 risk factors	28.1 (25.6, 30.7)	33.0 (30.3, 35.7)	-4.8 (-8.5, -1.2)
3 risk factors	16.7 (14.3, 19.0)	16.9 (13.9, 20.0)	-0.3 (-4.4, 3.9)
64-79 years			
Number of risk factors			
None	10.4 (7.7, 13.1)	9.3 (6.4, 12.2)	1.1 (-2.5, 4.8)
1 risk factor	31.1 (27.5, 34.8)	29.4 (25.2, 33.7)	1.7 (-3.9, 7.3)
2 risk factors	39.2 (35.6, 42.8)	39.4 (35.7, 43.1)	-0.2 (-4.7, 4.3)
3 or 4 risk factors	19.3 (16.6, 22.0)	21.9 (17.5, 26.3)	-2.6 (-7.3, 2.1)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Risk factors were current smoking, hypertension, dyslipidemia, and diabetes.

Supplementary Table 16 Number of risk factors in 2013-2016, by sex and CVD status

	Women	Men	Women minus men
No history of CVD			
Number of risk factors			
None	41.8 (40.1, 43.6)	33.4 (30.9, 36.0)	8.4 (6.1, 10.8)
1 risk factor	32.3 (30.7, 34.0)	36.0 (33.8, 38.2)	-3.7 (-6.1, -1.3)
2 risk factors	18.5 (17.5, 19.5)	22.7 (21.2, 24.3)	-4.2 (-6.0, -2.4)
3 risk factors	7.3 (6.5, 8.1)	7.8 (6.6, 9.0)	-0.5 (-1.9, 1.0)
History of CVD			
Number of risk factors			
None	9.3 (4.7, 13.9)	3.1 (1.1, 5.1)	6.2 (1.1, 11.4)
1 risk factor	17.2 (12.9, 21.6)	21.6 (15.6, 27.6)	-4.3 (-12.5, 3.8)
2 risk factors	36.5 (29.5, 43.6)	35.3 (30.5, 40.2)	1.2 (-7.4, 9.8)
3 or 4 risk factors	36.9 (30.9, 43.0)	40.0 (35.3, 44.7)	-3.1 (-11.3, 5.2)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. CVD, cardiovascular disease

Supplementary Table 17 Number of risk factors in 2013-2016, by sex and race

	Women	Men	Women minus men
Hispanic			
Number of risk factors			
None	44.5 (42.3, 46.7)	32.7 (29.1, 36.2)	11.9 (7.3, 16.4)
1 risk factor	29.4 (26.5, 32.3)	34.1 (31.2, 37.0)	-4.7 (-9.2, -0.2)
2 risk factors	16.7 (15.1, 18.4)	22.5 (20.8, 24.2)	-5.7 (-8.2, -3.3)
3 risk factors	9.3 (7.9, 10.7)	10.8 (8.8, 12.7)	-1.5 (-3.5, 0.6)
Non-Hispanic White			
Number of risk factors			
None	40.3 (37.7, 42.9)	31.7 (28.5, 34.9)	8.6 (5.6, 11.6)
1 risk factor	31.9 (29.7, 34.1)	35.5 (32.5, 38.6)	-3.6 (-6.5, -0.8)
2 risk factors	19.7 (18.1, 21.2)	23.5 (21.3, 25.6)	-3.8 (-6.3, -1.3)
3 risk factors	8.2 (6.8, 9.6)	9.3 (7.4, 11.3)	-1.1 (-3.5, 1.3)
Non-Hispanic Black			
Number of risk factors			
None	30.9 (28.4, 33.4)	23.7 (20.9, 26.6)	7.1 (3.4, 10.9)
1 risk factor	33.2 (29.9, 36.5)	34.1 (31.4, 36.8)	-0.9 (-5.0, 3.1)
2 risk factors	23.9 (21.1, 26.7)	27.4 (24.0, 30.9)	-3.5 (-7.1, 0.0)
3 risk factors	12.0 (10.3, 13.8)	14.7 (12.4, 17.0)	-2.7 (-5.1, -0.3)
Other			
Number of risk factors			
None	42.2 (37.7, 46.7)	31.2 (28.1, 34.3)	11.0 (5.7, 16.3)
1 risk factor	29.5 (25.5, 33.6)	32.1 (27.8, 36.4)	-2.6 (-8.8, 3.6)
2 risk factors	17.4 (13.5, 21.2)	23.8 (19.7, 27.9)	-6.5 (-12.4, -0.5)
3 or 4 risk factors	10.9 (7.9, 13.8)	12.8 (8.8, 16.9)	-2.0 (-7.0, 3.1)

Estimates are percentages and 95% confidence intervals, age-standardized to the US standard population in 2015-16. Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. Participants with a self-reported Asian background were included in the 'other' group.

Supplementary Figure legend

Supplementary Figure 1 Trends in systolic blood pressure, body mass index, current smoking, total cholesterol, HDL cholesterol, and HbA1c, by sex and history of CVD

Solid lines are for men and dashed lines are for women. All estimates are age-standardized to the US standard population in 2015-16. Error bars indicate 95% confidence intervals.

Supplementary Figure 2 Trends in systolic blood pressure, body mass index, current smoking, total cholesterol, HDL cholesterol, and HbA1c, by sex and race

Solid lines are for men and dashed lines are for women. All estimates are age-standardized to the US standard population in 2015-16. Error bars indicate 95% confidence intervals.

Supplementary Figure 3 Trends in the prevalence of hypertension, diabetes, and dyslipidemia, by sex

Solid lines are for men and dashed lines are for women. All estimates are age-standardized to the US standard population in 2015-16. Error bars indicate 95% confidence intervals.

Supplementary Figure 4 Treatment and control of hypertension, diabetes, and dyslipidemia in 2013-2016, by sex and age group

Black areas represent treated and controlled cases. Grey areas represent treated but uncontrolled cases. Light grey areas represent untreated and uncontrolled cases. Hypertension was defined as a systolic/diastolic blood pressure $\geq 130/80$ mmHg or the use of antihypertensive medication. Diabetes was defined as a HbA1C $\geq 6.5\%$ or the use of antidiabetes medication. Dyslipidemia was defined as a total cholesterol ≥ 240 mg/dL or the use of lipid-lowering medication. The control of hypertension, diabetes, and dyslipidemia, respectively, were defined as a systolic/diastolic blood pressure $< 130/80$ mmHg, HbA1C $< 6.5\%$, and total cholesterol < 240 mg/dL.

Supplementary Figure 5 Treatment and control of hypertension, diabetes, and dyslipidemia in 2013-2016, by sex and race

Black areas represent treated and controlled cases. Grey areas represent treated but uncontrolled cases. Light grey areas represent untreated and uncontrolled cases. Hypertension was defined as a systolic/diastolic blood pressure $\geq 130/80$ mmHg or the use of antihypertensive medication. Diabetes was defined as a HbA1C $\geq 6.5\%$ or the use of antidiabetes medication. Dyslipidemia was defined as a total cholesterol ≥ 240 mg/dL or the use of lipid-lowering medication. The control of hypertension, diabetes, and dyslipidemia, respectively, were defined as a systolic/diastolic blood pressure $< 130/80$ mmHg, HbA1C $< 6.5\%$, and total cholesterol < 240 mg/dL.

Supplementary Figure 6 HbA1C levels among individuals with diabetes between 2001 and 2016, by sex

Black areas represent individuals with diabetes with a HbA1C value of $< 6.5\%$. Dark grey areas represent individuals with diabetes with a HbA1C value of $\geq 6.5\%$ to $< 7\%$. Grey areas represent individuals with diabetes with a HbA1C value of $\geq 7\%$ and $< 7.5\%$. Light grey areas represent individuals with diabetes with a HbA1C value of $\geq 7.5\%$.

Supplementary Figure 7 HbA1C levels among individuals with diabetes in 2013-2016, by sex and age group

Black areas represent individuals with diabetes with a HbA1C value of <6.5%. Dark grey areas represent individuals with diabetes with a HbA1C value of $\geq 6.5\%$ to <7%. Grey areas represent individuals with diabetes with a HbA1C value of $\geq 7\%$ and <7.5%. Light grey areas represent individuals with diabetes with a HbA1C value of $\geq 7.5\%$.

Supplementary Figure 8 HbA1C levels among individuals with diabetes in 2013-2016, by sex and CVD status

Black areas represent individuals with diabetes with a HbA1C value of <6.5%. Dark grey areas represent individuals with diabetes with a HbA1C value of $\geq 6.5\%$ to <7%. Grey areas represent individuals with diabetes with a HbA1C value of $\geq 7\%$ and <7.5%. Light grey areas represent individuals with diabetes with a HbA1C value of $\geq 7.5\%$.

Supplementary Figure 9 HbA1C levels among individuals with diabetes in 2013-2016, by sex and race

Black areas represent individuals with diabetes with a HbA1C value of <6.5%. Dark grey areas represent individuals with diabetes with a HbA1C value of $\geq 6.5\%$ to <7%. Grey areas represent individuals with diabetes with a HbA1C value of $\geq 7\%$ and <7.5%. Light grey areas represent individuals with diabetes with a HbA1C value of $\geq 7.5\%$.

Supplementary Figure 10 Number of risk factors in 2013-2016, by sex and age group

Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. Black areas represent individuals without risk factors. Dark grey areas represent individuals with one risk factor. Grey areas represent individuals with two risk factors. Light grey areas represent individuals with three or four risk factors.

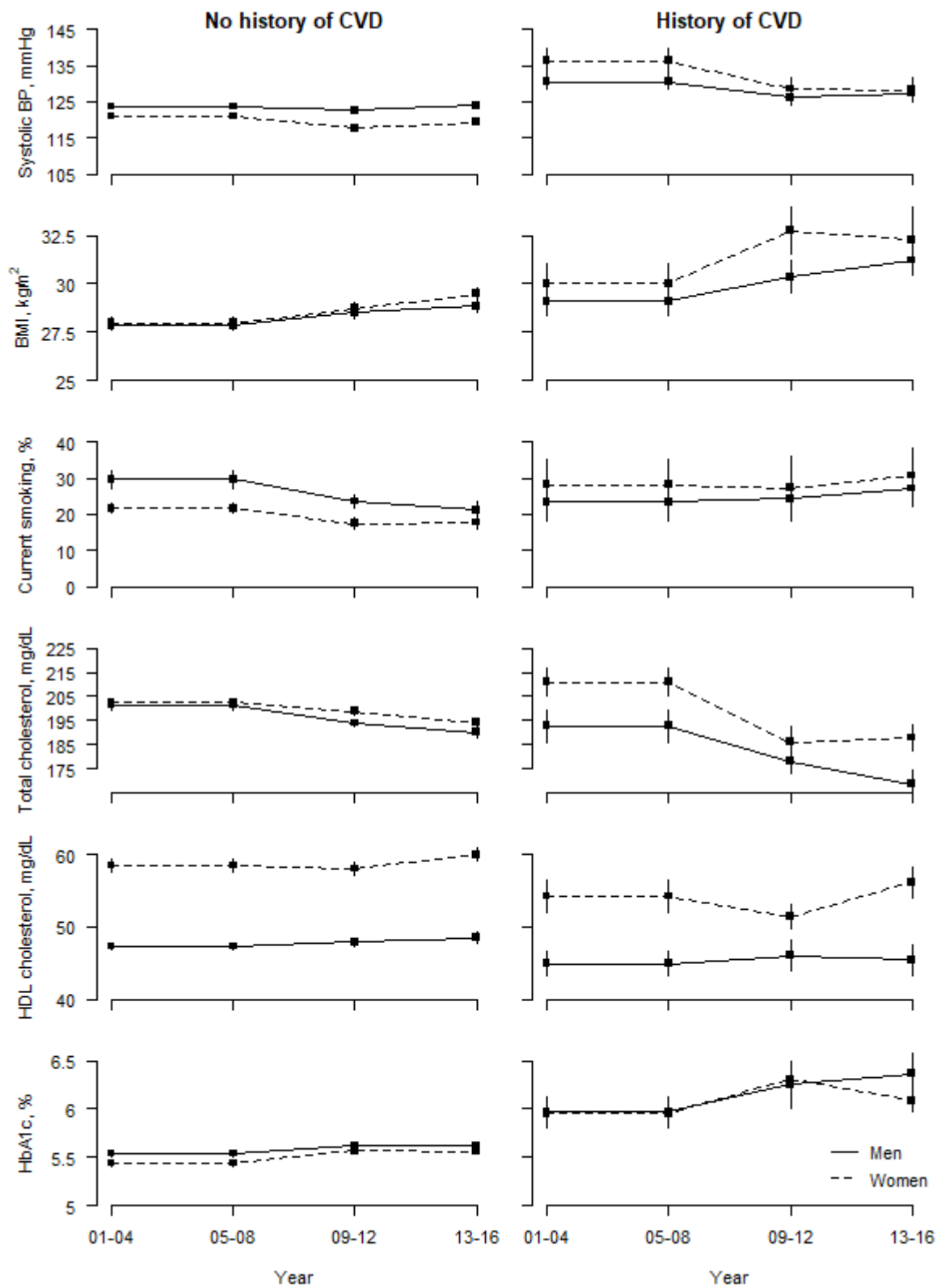
Supplementary Figure 11 Number of risk factors in 2013-2016, by sex and CVD status

Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. Black areas represent individuals without risk factors. Dark grey areas represent individuals with one risk factor. Grey areas represent individuals with two risk factors. Light grey areas represent individuals with three or four risk factors.

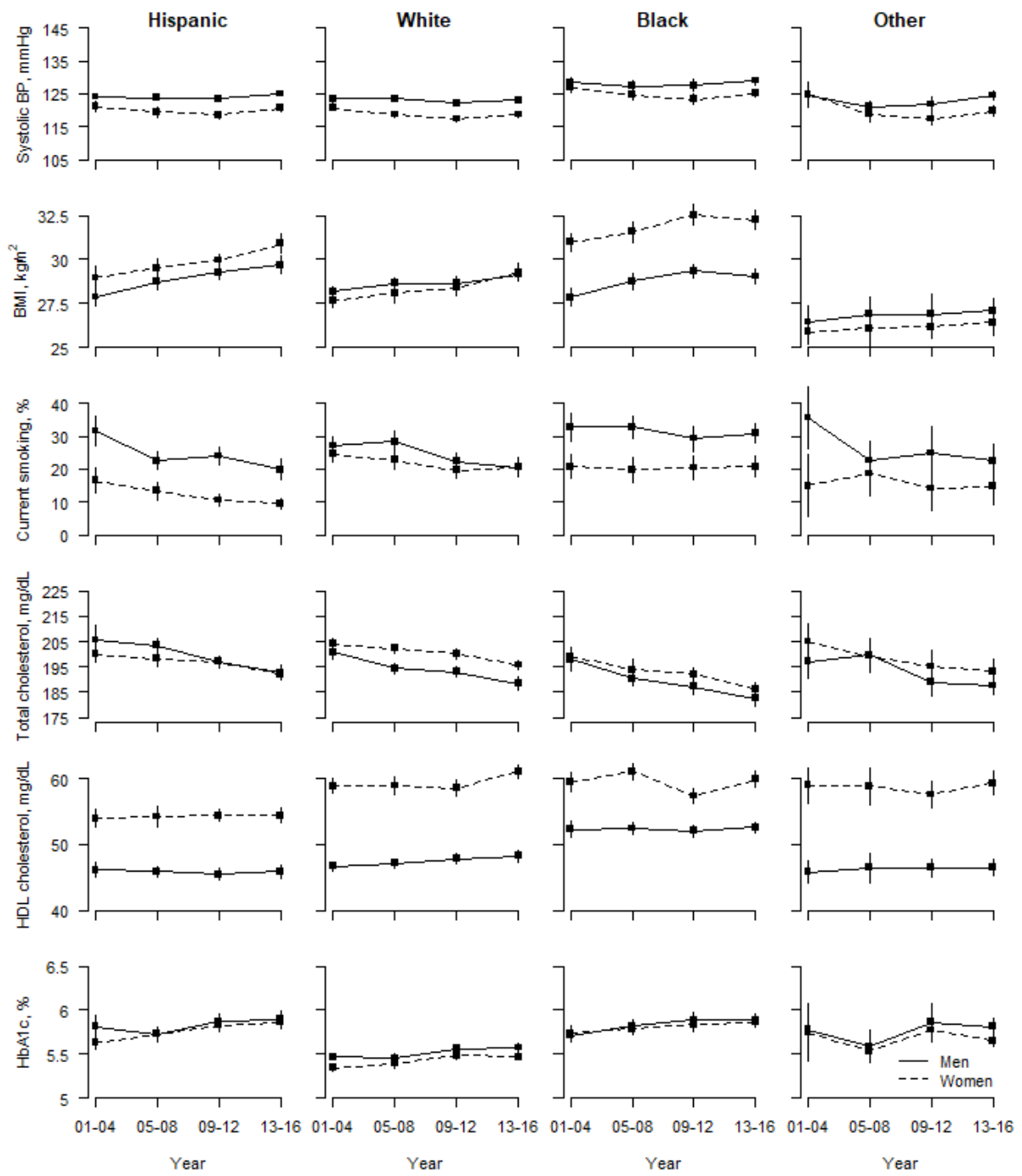
Supplementary Figure 12 Number of risk factors in 2013-2016, by sex and race

Risk factors were current smoking, hypertension, dyslipidemia, and diabetes. Black areas represent individuals without risk factors. Dark grey areas represent individuals with one risk factor. Grey areas represent individuals with two risk factors. Light grey areas represent individuals with three or four risk factors.

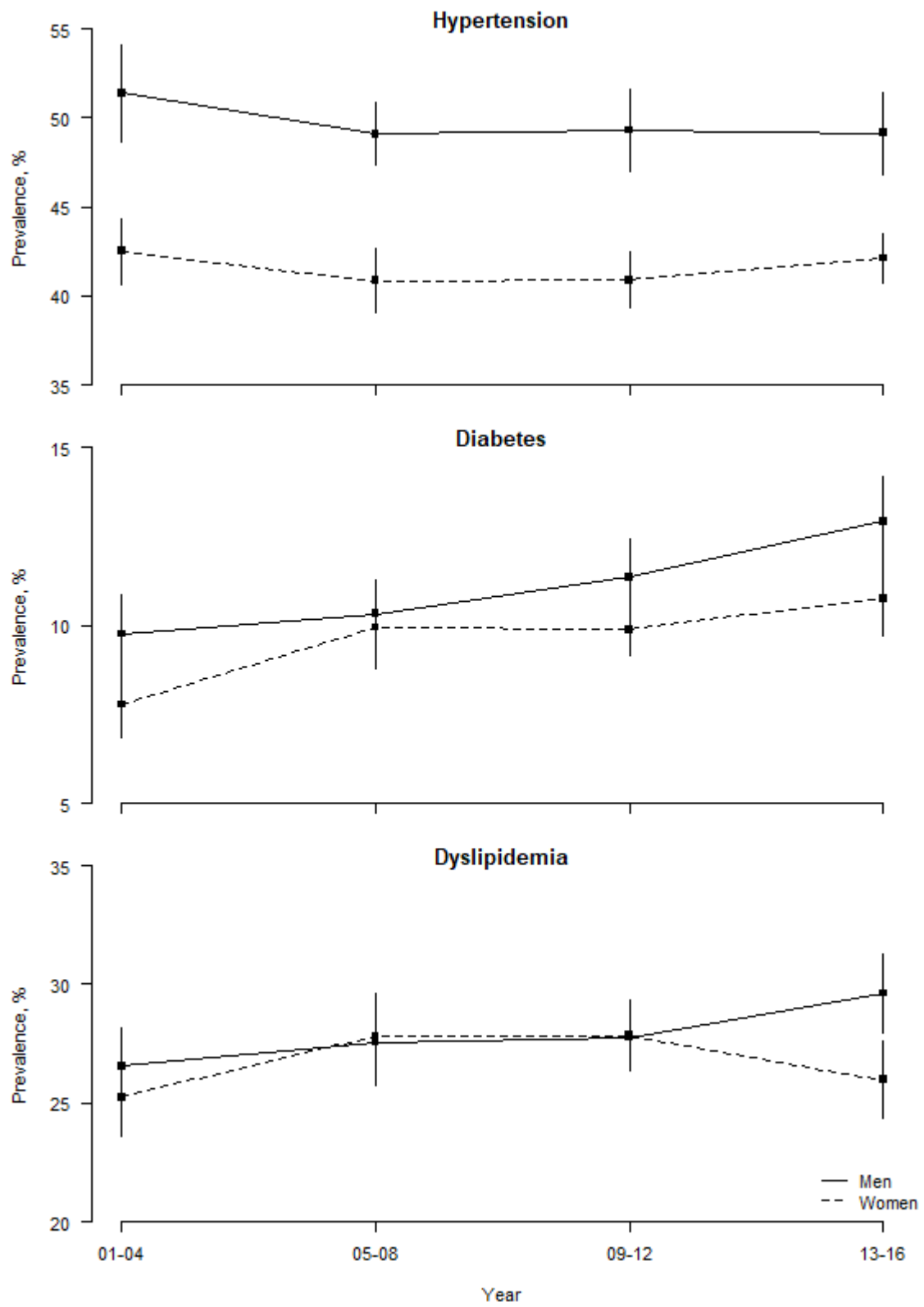
Supplementary Figure 1



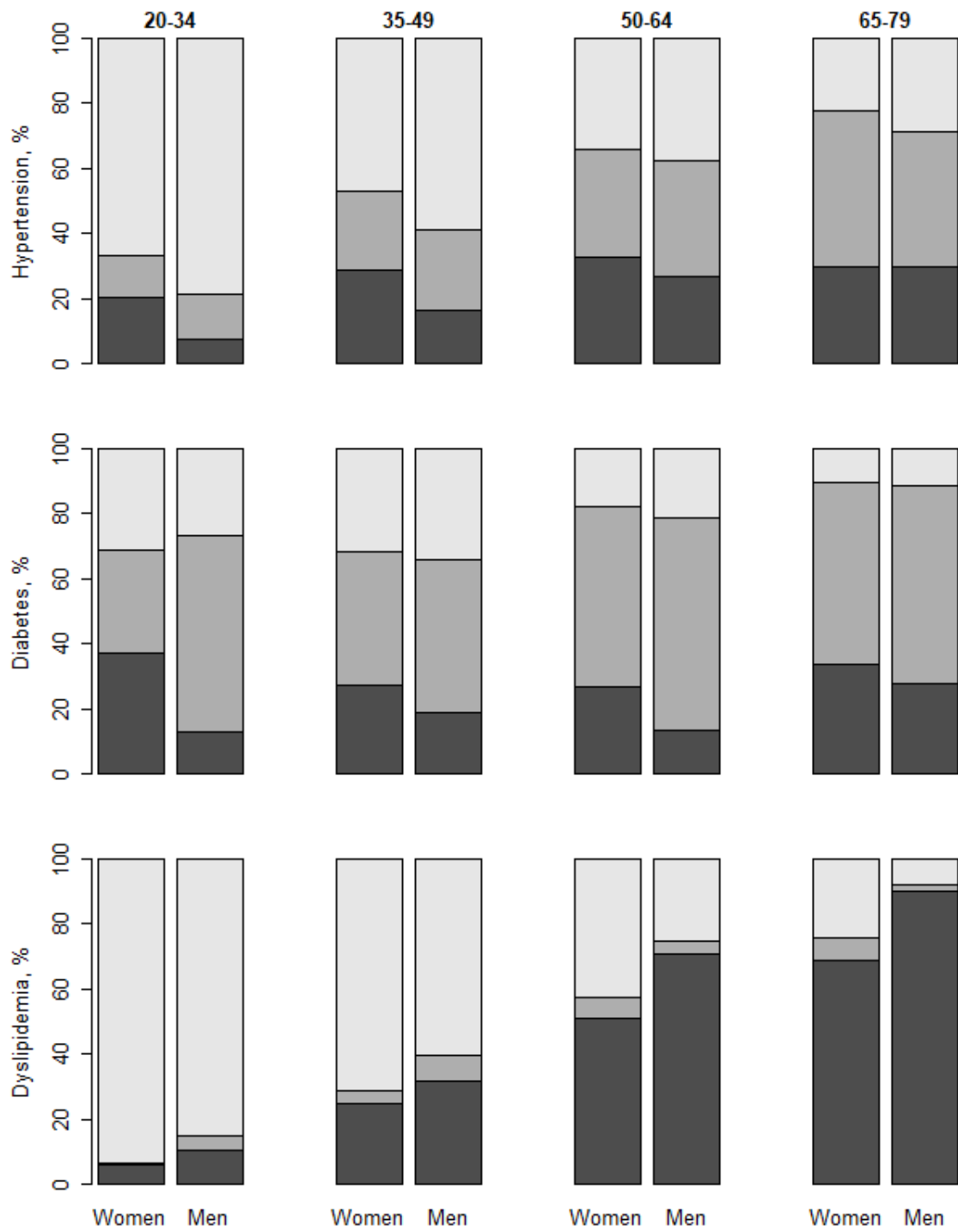
Supplementary Figure 2



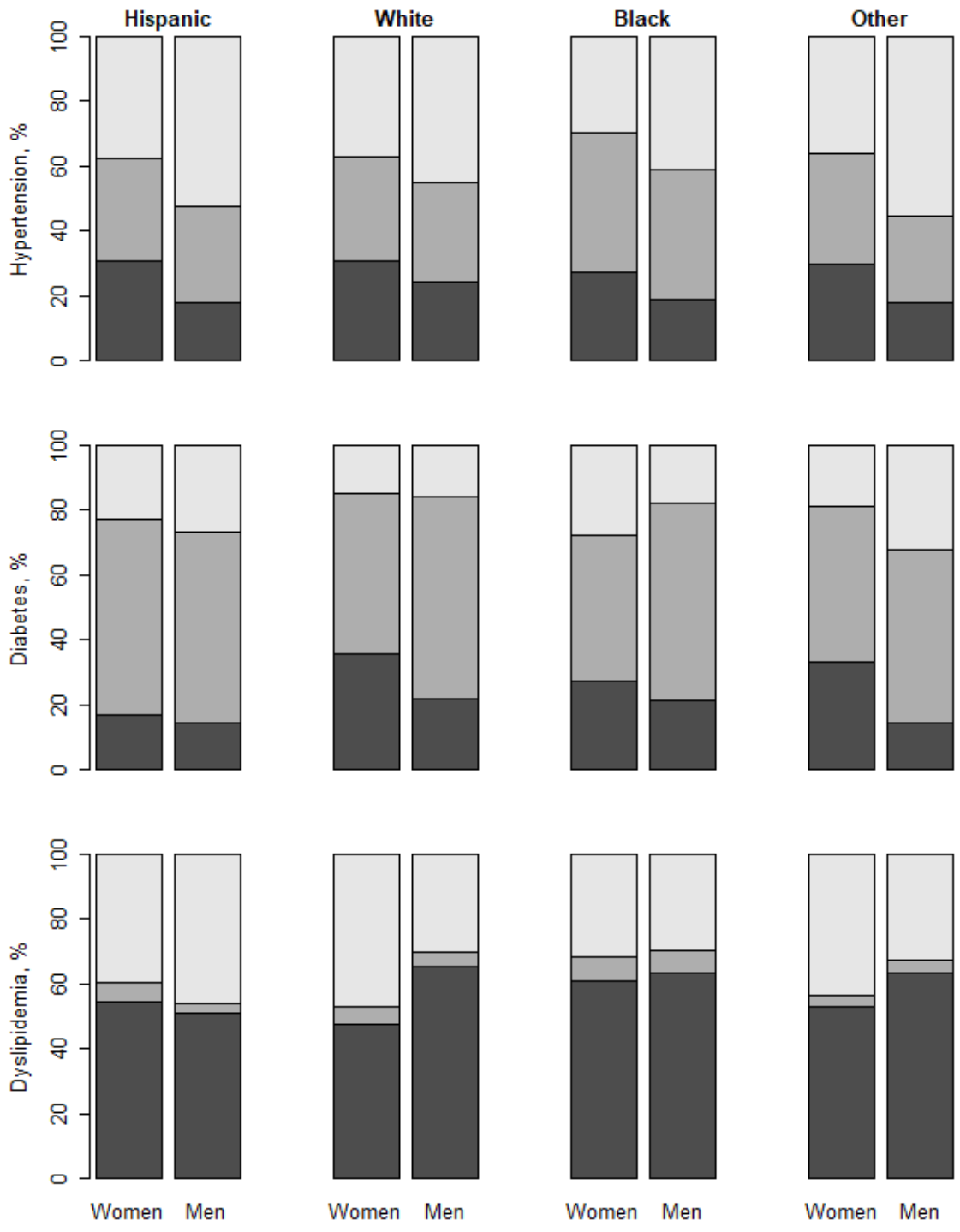
Supplementary Figure 3



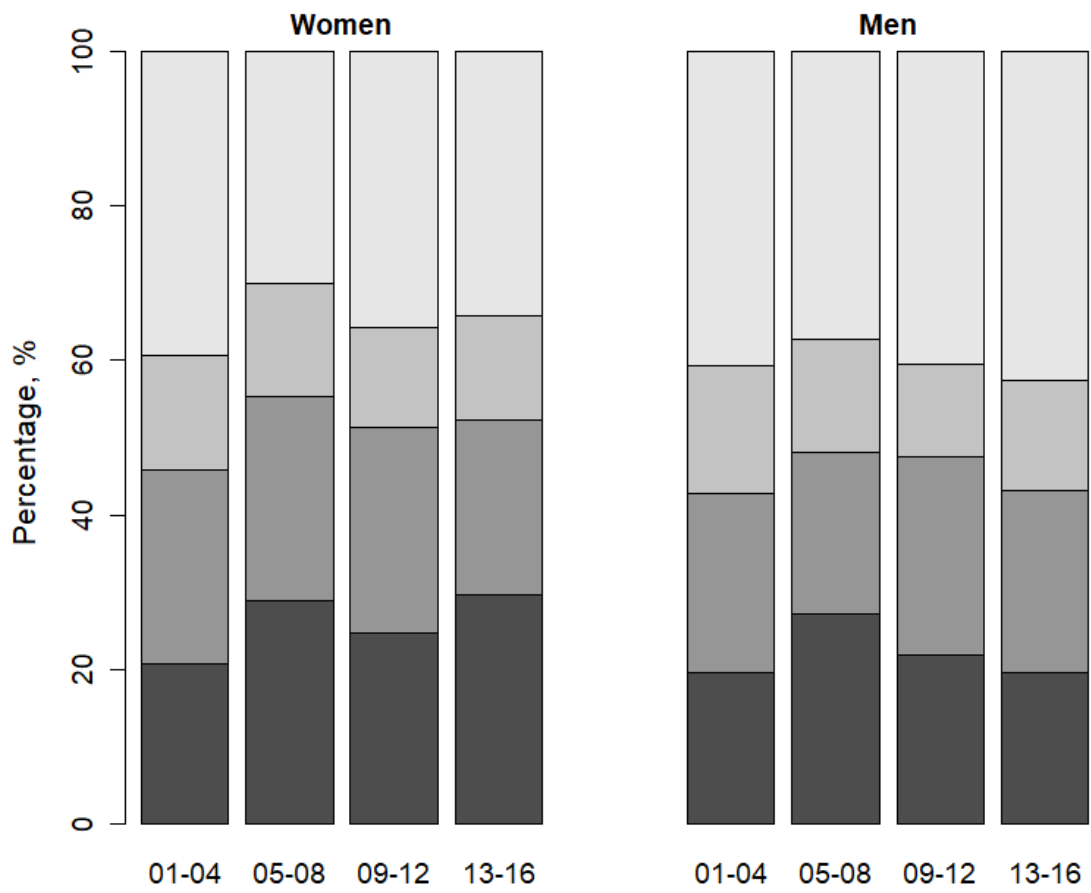
Supplementary Figure 4



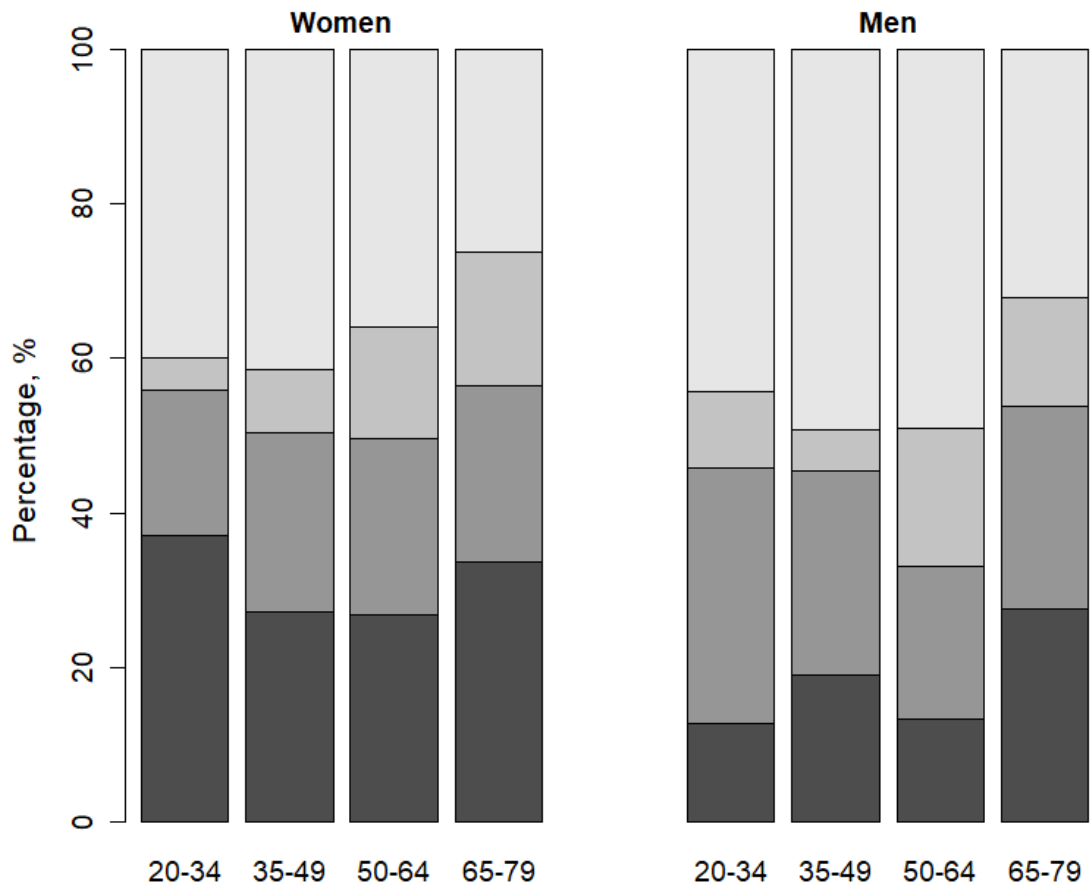
Supplementary Figure 5



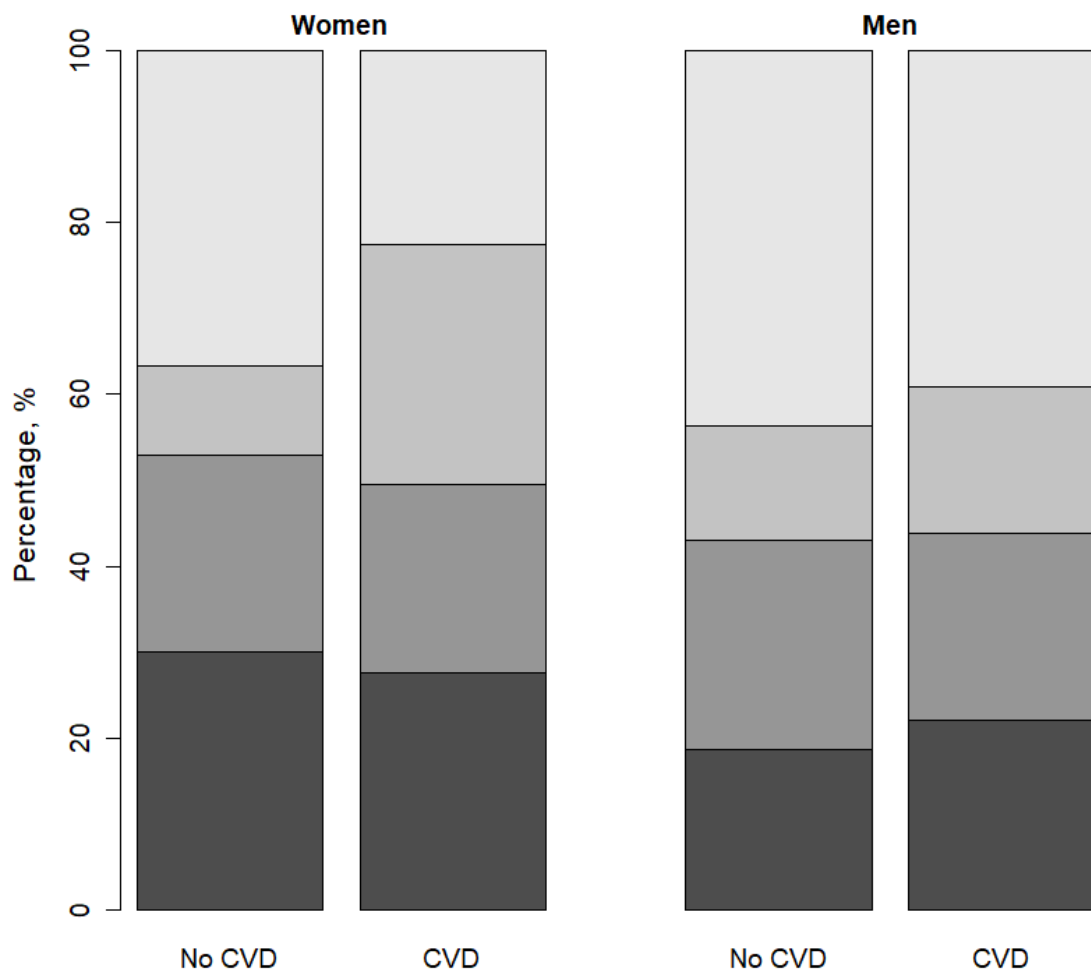
Supplementary Figure 6



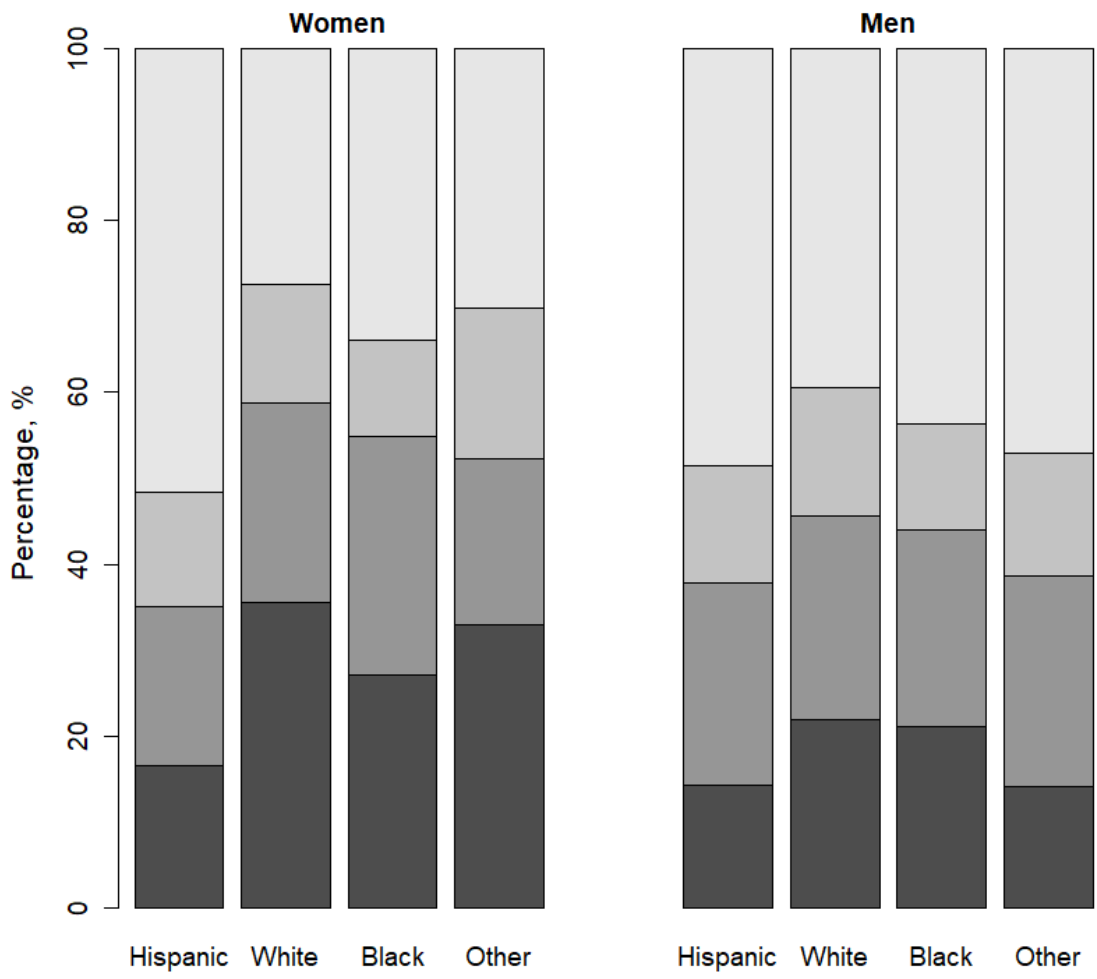
Supplementary Figure 7



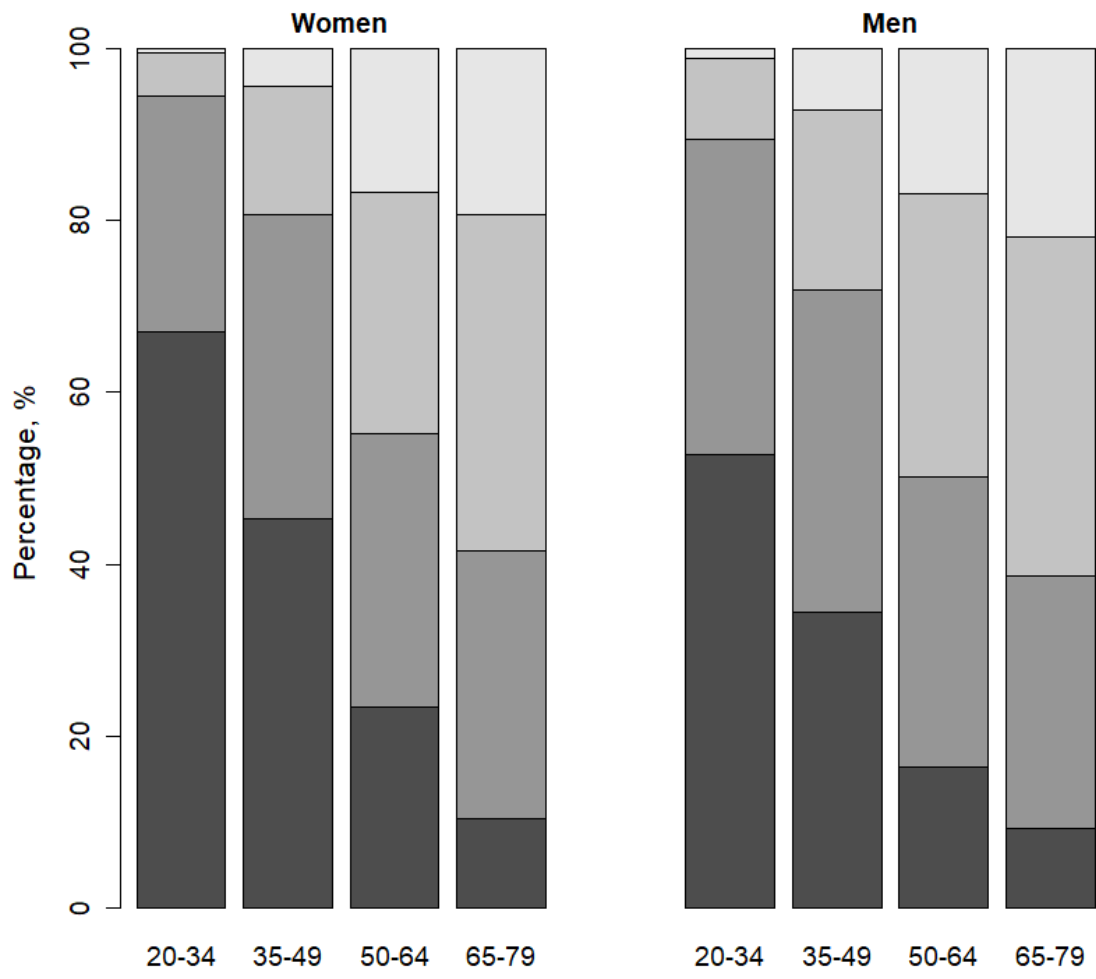
Supplementary Figure 8



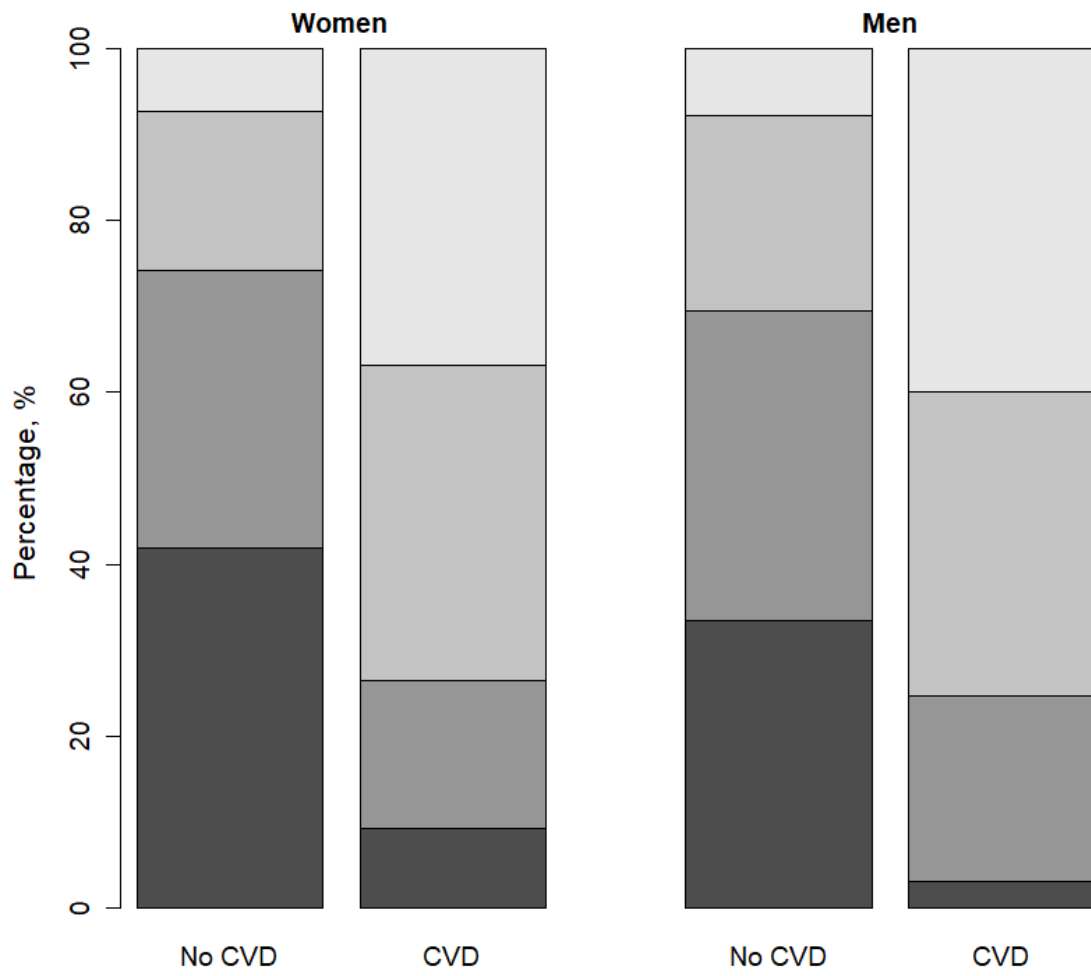
Supplementary Figure 9



Supplementary Figure 10



Supplementary Figure 11



Supplementary Figure 12

