SUPPLEMENTAL MATERIAL

Data S1.

DESCRIPTION OF THE MEPS AS REPRESENTED ON THE MEPS OFFICIAL WEBSITE: https://www.meps.ahrq.gov/mepsweb/about_meps/survey_back.jsp

 "The Medical Expenditure Panel Survey, which began in 1996, is a set of large-scale surveys of families and individuals, their medical providers (doctors, hospitals, pharmacies, etc.), and employers across the United States. MEPS collects data on the specific health services that Americans use, how frequently they use them, the cost of these services, and how they are paid for, as well as data on the cost, scope, and breadth of health insurance held by and available to U.S. workers.

Major MEPS Components

MEPS currently has two major components: the Household Component and the Insurance Component. The Household Component provides data from individual households and their members, which is supplemented by data from their medical providers. The Insurance Component is a separate survey of employers that provides data on employer-based health insurance.

Household Component

The Household Component (HC) collects data from a sample of families and individuals in selected communities across the United States, drawn from a nationally representative subsample of households that participated in the prior year's National Health Interview Survey (conducted by the National Center for Health Statistics).

During the household interviews, MEPS collects detailed information for each person in the household on the following: demographic characteristics, health conditions, health status, use of medical services, charges and source of payments, access to care, satisfaction with care, health insurance coverage, income, and employment.

The panel design of the survey, which features several rounds of interviewing covering two full calendar years, makes it possible to determine how changes in respondents' health status, income, employment, eligibility for public and private insurance coverage, use of services, and payment for care are related.

The HC expenditures have been projected to future years by selected demographic characteristics by source of payment and type of service.

HC data are available on the MEPS Web site in data tables, downloadable data files (person, job, event, or condition level), annually projected expenditures through 2016, and interactive data tools, as well as in publications using HC data.

Insurance component

The Insurance Component (IC) collects data from a sample of private and public sector employers on the health insurance plans they offer their employees. The survey is also known as the Health Insurance Cost Study.

The collected data include the number and types of private insurance plans offered (if any), premiums, contributions by employers and employees, eligibility requirements, benefits associated with these plans, and employer characteristics.

IC estimates are available on the MEPS Web site in tabular form for national, regional, state, and metropolitan areas, as well as in publications using IC data and interactive data tools. IC data files are not available for public release.

Other MEPS components

MEPS also includes a Medical Provider Component (MPC), which covers hospitals, physicians, home health care providers, and pharmacies identified by MEPS-HC respondents. Its purpose is to supplement and/or replace information received from the MEPS-HC respondents.

Data files containing only this supplemental respondent information are not available, but the information is incorporated into the MEPS-HC data files.

In 1996 only, MEPS included a Nursing Home Component (NHC) that gathered information from a sample of nursing homes and residents nationwide on the characteristics of the facilities and services offered; expenditures and sources of payment on an individual resident level; and resident characteristics, including functional limitation, cognitive impairment, age, income, and insurance coverage. The NHC also collected data on the availability and use of community-based care prior to admission to nursing homes. For reasons of confidentiality, NHC data are available only at the Data Center located at AHRQ or at one of the Federal Statistical Research Data Centers.

The National Center for Health Statistics (NCHS) provides information on the NCHS National Nursing Home Survey (NNHS), a continuing series of national sample surveys of nursing homes, their residents, and their staff that have been conducted in 1973–74, 1977, 1985, 1995, 1997, and 1999."

Table S1. Sex differences in the age of diagnosis of cardiovascular disease & its risk factors, stratified by race/ethnicity: Trends from 2008-2017 among non Hispanic whites.

Year	Age of diagnosis		
	Men	Women	Total
NON HISPANIC WHITE			
CORONARY HEART DISEASE			
2008	56.6	60.3	58.1
2009	58.2	59.9	58.8
2010	57.9	60.5	58.9
2011	58.3	61.9	59.6
2012	59.2	61.4	60.0
2013	58.3	61.4	59.5
2014	58.6	60.8	59.4
2015	57.7	61.3	59.0
2016	57.7	61.8	59.1
2017	58.7	61.1	59.5
P for trend	0.37	0.27	0.23
Annual change in years, 95% CI	0.08 (-0.10 to 0.27)	0.14 (-0.11 to 0.38)	0.09 (-0.06 to 0.24)
STROKE			
2008	58.6	59.3	59.0
2009	59.4	60.8	60.2
2010	59.9	61.8	60.9
2011	59.6	60.6	60.1
2012	59.1	59.8	59.5
2013	59.9	59.1	59.5
2014	61.6	59.3	60.3
2015	59.6	56.3	57.8
2016	60.5	56.8	58.6
2017	60.2	59.2	59.7
P for trend	0.36	**0.04**	0.38
Annual change in years, 95% CI	0.16 (-0.19 to 0.52)	**-0.37 (-0.75 to -0.003)**	-0.12 (-0.38 to 0.14)
HYPERCHOLESTEROLEMIA			
2008	49.9	53.5	51.7
2009	49.5	52.7	51.1
2010	49.3	52.3	50.8
2011	49.8	52.6	51.1
2012	49.9	52.8	51.3
2013	49.9	52.5	51.2
2014	49.3	52.0	50.6
2015	48.8	51.5	50.1
2016	49.3	51.6	50.4

2017	49.3	51.7	50.5
P for trend	0.27	**0.001**	**0.004**
Annual change in years, 95% CI	-0.06 (-0.16 to 0.05)	**-0.18 (-0.29 to -0.08)**	**-0.12 (-0.21 to -0.04)**
HYPERTENSION			
2008	48.1	51.3	49.7
2009	47.6	50.8	49.2
2010	47.4	50.3	48.8
2011	48.0	50.8	49.3
2012	47.9	51.0	49.4
2013	47.8	50.6	49.1
2014	47.8	49.8	48.7
2015	47.6	50.1	48.8
2016	46.9	49.9	48.3
2017	46.9	49.8	48.2
P for trend	0.09	**0.01**	**0.004**
Annual change in years, 95% CI	-0.09 (-0.21 to 0.02)	**-0.14 (-0.26 to -0.03)**	**-0.13 (-0.21 to -0.04)**

Table S2. Sex differences in the age of diagnosis of cardiovascular disease & its risk factors, stratified by race/ethnicity: Trends from 2008-2017 among non-Hispanic Blacks.

Year	Age of diagnosis		
	Men	Women	Total
BLACKS			
CORONARY HEART DISEASE			
2008	55.5	56.1	55.8
2009	51.7	53.8	52.9
2010	51.8	55.4	53.7
2011	53.3	55.8	54.6
2012	55.4	57.5	56.5
2013	53.1	55.4	54.3
2014	52.8	54.2	53.6
2015	53.9	53.9	53.9
2016	54.3	54.4	54.3
2017	54.6	54.7	54.6
P for trend	0.61	0.46	0.81
Annual change in years, 95% CI	0.10 (-0.30 to 0.51)	-0.14 (-0.53 to 0.24)	-0.03 (-0.31 to 0.24)
STROKE			
2008	53.8	54.2	54.1
2009	54.0	52.8	53.3
2010	52.8	55.0	54.1
2011	57.6	54.4	55.7
2012	56.1	51.2	53.3
2013	55.1	50.2	52.1
2014	55.7	52.6	54.0
2015	55.7	54.7	55.1
2016	55.8	54.5	55.1
2017	57.2	54.9	55.9
P for trend	0.19	0.72	0.24
Annual change in years, 95% CI	0.29 (-0.15 to 0.74)	0.07 (-0.34 to 0.49)	0.18 (-0.12 to 0.48)
HYPERCHOLESTEROLEMIA			
2008	49.0	49.9	49.5
2009	48.7	49.4	49.1
2010	48.4	50.3	49.5
2011	48.4	51.1	49.9
2012	49.3	50.4	49.9
2013	49.5	49.8	49.7
2014	49.1	50.9	50.1
2015	48.7	51.0	49.9
2016	48.5	49.6	49.1

2017	49.7	49.6	49.7
P for trend	0.62	0.96	0.75
Annual change in years, 95% CI	0.05 (-0.15 to 0.25)	0.003 (-0.18 to 0.19)	0.02 (-0.12 to 0.16)
HYPERTENSION			
2008	44.5	43.7	44.0
2009	44.3	43.2	43.6
2010	43.2	43.3	43.3
2011	44.8	43.7	44.2
2012	45.3	43.7	44.4
2013	43.8	43.1	43.4
2014	43.7	43.2	43.4
2015	44.2	43.0	43.5
2016	43.7	43.6	43.6
2017	45.3	43.8	44.4
P for trend	0.83	0.98	0.85
Annual change in years, 95% CI	0.02 (-0.15 to 0.19)	0.001 (-0.13 to 0.14)	0.01 (-0.11 to 0.13)

Table S3. Sex differences in the age of diagnosis of cardiovascular disease & its risk factors, stratified by race/ethnicity: Trends from 2008-2017 among Asians.

Year	Age of diagnosis		
	Men	Women	Total
ASIAN			
CORONARY HEART DISEASE			
2008	52.2	59.7	55.6
2009	52.5	59.0	55.5
2010	58.9	56.8	57.7
2011	61.9	56.3	59.5
2012	58.9	58.9	58.9
2013	55.6	62.1	58.1
2014	53.9	60.6	55.2
2015	54.3	58.0	55.3
2016	56.3	62.6	58.3
2017	58.0	65.7	60.2
P for trend	0.83	0.22	0.58
Annual change in years, 95% CI	0.10 (-0.81 to 1.01)	0.67 (-0.43 to 1.78)	0.21 (-0.54 to 0.96)
STROKE			
2008	62.5	65.7	64.2
2009	67.6	63.4	65.6
2010	57.1	61.3	60.0
2011	58.2	62.3	60.1
2012	59.1	51.7	56.7
2013	56.5	60.9	58.4
2014	57.2	60.6	58.7
2015	59.0	61.2	60.2
2016	61.4	58.5	59.7
2017	61.3	62.8	62.0
P for trend	0.65	0.47	0.46
Annual change in years, 95% CI	-0.27 (-1.48 to 0.93)	-0.39 (-1.50 to 0.71)	-0.33 (-1.24 to 0.57)
HYPERCHOLESTEROLEMIA			
2008	47.1	51.3	49.1
2009	46.9	51.1	49.0
2010	46.8	51.7	49.1
2011	48.0	52.9	50.3
2012	47.1	53.1	50.0
2013	47.4	52.4	49.7
2014	47.8	53.1	50.1
2015	46.4	53.7	49.6
2016	46.5	53.8	49.8

2017	47.6	53.1	49.9
P for trend	0.95	0.13	0.56
Annual change in years, 95% CI	-0.01 (-0.32 to 0.29)	0.27 (-0.09 to 0.63)	0.08 (-0.19 to 0.35)
HYPERTENSION			
2008	46.9	51.5	49.2
2009	47.1	52.5	49.7
2010	45.8	52.7	49.2
2011	48.5	51.4	50.1
2012	48.8	51.2	50.0
2013	48.4	52.4	50.2
2014	49.9	51.9	50.9
2015	47.2	51.1	49.2
2016	46.7	53.5	50.2
2017	46.5	53.1	49.6
P for trend	0.99	0.59	0.71
Annual change in years, 95% CI	-0.001 (-0.34 to 0.34)	0.10 (-0.26 to 0.45)	0.05 (-0.21 to 0.31)

Table S4. Sex differences in the age of diagnosis of cardiovascular disease & its risk factors, stratified by race/ethnicity: Trends from 2008-2017 among Hispanics.

Year	Age of diagnosis		
	Men	Women	Total
HISPANIC			
CORONARY HEART DISEASE			
2008	56.9	54.9	55.9
2009	53.3	53.9	53.6
2010	53.9	54.1	54.0
2011	50.8	55.4	52.7
2012	53.5	52.7	53.2
2013	52.0	51.8	51.9
2014	52.0	53.3	52.6
2015	56.7	54.8	55.8
2016	57.5	53.9	55.8
2017	56.4	54.4	55.5
P for trend	0.22	0.89	0.53
Annual change in years, 95% CI	0.28 (-0.17 to 0.72)	-0.04 (-0.63 to 0.55)	0.12 (-0.27 to 0.51)
STROKE			
2008	54.6	54.7	54.6
2009	53.5	53.5	53.5
2010	53.4	53.6	53.5
2011	52.5	52.0	52.2
2012	53.8	52.5	53.1
2013	54.8	53.9	54.3
2014	53.7	53.3	53.5
2015	55.3	52.2	53.5
2016	55.6	53.1	53.9
2017	54.3	50.0	51.6
P for trend	0.64	0.45	0.63
Annual change in years, 95% CI	0.16 (-0.52 to 0.84)	-0.29 (-1.06 to 0.47)	-0.12 (-0.64 to 0.39)
HYPERCHOLESTEROLEMIA			
2008	45.5	48.3	46.9
2009	44.7	48.6	46.6
2010	45.1	48.1	46.6
2011	43.9	47.7	45.7
2012	44.3	48.6	46.4
2013	45.3	48.1	46.7
2014	45.5	47.9	46.7
2015	44.5	48.5	46.5
2016	45.1	48.8	46.9

2017	45.5	48.8	47.1
P for trend	0.67	0.59	0.54
Annual change in years, 95% CI	0.04 (-0.16 to 0.25)	0.05 (-0.14 to 0.25)	0.46 (-0.11 to 0.19)
HYPERTENSION			
2008	45.9	45.5	45.7
2009	46.2	45.8	46.0
2010	44.5	46.1	45.3
2011	44.8	47.1	45.9
2012	44.9	46.8	45.9
2013	44.5	47.1	45.8
2014	44.4	46.3	45.3
2015	44.6	46.3	45.4
2016	45.2	46.6	45.9
2017	44.7	47.1	45.9
P for trend	0.35	0.32	0.98
Annual change in years, 95% CI	-0.11 (-0.33 to 0.12)	0.11 (-0.11 to 0.32)	-0.02 (-0.16 to 0.16)

Table S5. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by age categories: Trends from 2008-2017 among young adults.

Year	Age of diagnosis		
	Men	**Women**	**Total**
Young (age 18-39 years)			
CORONARY HEART DISEASE			
2008	30.9	27.2	29.0
2009	28.3	28.2	28.3
2010	29.6	30.2	29.9
2011	26.9	30.3	28.2
2012	26.8	31.9	29.8
2013	29.9	24.1	26.7
2014	30.2	25.8	29.2
2015	30.1	29.6	30.0
2016	29.2	27.2	28.3
2017	26.8	28.9	27.9
P for trend	0.92	0.81	0.83
Annual change in years, 95% CI	-0.02 (-0.43 to 0.39)	-0.09 (-0.79 to 0.63)	-0.04 (-0.43 to 0.35)
STROKE			
2008	25.9	28.8	27.6
2009	27.9	27.5	27.7
2010	28.1	26.6	27.7
2011	27.3	26.6	26.9
2012	28.2	26.4	27.2
2013	29.5	27.7	28.3
2014	30.8	28.7	29.1
2015	28.4	26.5	26.9
2016	26.9	27.8	27.5
2017	26.9	27.2	27.1
P for trend	0.88	0.78	0.91
Annual change in years, 95% CI	0.05 (-0.63 to 0.73)	-0.05 (-0.42 to 0.32)	-0.02 (-0.37 to 0.33)
HYPERCHOLESTEROLEMIA			
2008	29.3	29.0	29.2
2009	29.2	28.8	29.0
2010	29.6	29.2	29.4
2011	29.4	28.9	29.2
2012	29.7	28.8	29.4
2013	29.7	28.5	29.2
2014	29.3	28.6	29.0
2015	29.2	27.7	28.6

2016	29.8	27.7	28.9
2017	29.8	28.2	29.1
P for trend	0.44	**0.008**	0.27
Annual change in years, 95% CI	0.04 (-0.06 to 0.13)	**-0.15 (-0.25 to -0.04)**	-0.04 (-0.12 to 0.03)
HYPERTENSION			
2008	27.9	28.5	28.2
2009	27.9	28.1	28.0
2010	27.6	27.9	27.7
2011	28.1	27.6	27.9
2012	27.9	28.0	27.9
2013	27.6	27.6	27.7
2014	27.8	27.5	27.7
2015	27.5	27.3	27.4
2016	27.8	27.7	27.7
2017	27.4	26.9	27.2
P for trend	0.38	**0.007**	**0.01**
Annual change in years, 95% CI	-0.05 (-0.15 to 0.06)	**-0.12 (-0.21 to -0.03)**	**-0.08 (-0.14 to -0.013)**

Table S6. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by age categories: Trends from 2008-2017 among middle aged adults.

Year	Age of diagnosis		
	Men	Women	Total
Middle aged (age 40-64 years)			
CORONARY HEART DISEASE			
2008	48.0	48.9	48.3
2009	47.9	48.1	47.4
2010	47.6	47.2	47.4
2011	48.0	48.6	48.2
2012	48.8	47.2	48.3
2013	48.1	47.4	47.8
2014	47.5	46.9	47.2
2015	48.1	48.4	48.2
2016	48.3	47.9	48.1
2017	49.3	47.6	48.7
P for trend	0.36	0.66	0.72
Annual change in years, 95% CI	0.07 (-0.09 to 0.23)	-0.06 (-0.32 to 0.20)	0.03 (-0.12 to 0.17)
STROKE			
2008	48.2	44.0	46.0
2009	47.7	46.6	47.1
2010	47.7	46.7	47.2
2011	46.4	45.6	46.0
2012	48.7	44.2	46.4
2013	48.8	43.6	46.0
2014	49.6	45.0	47.0
2015	48.5	45.4	46.8
2016	48.3	45.6	46.8
2017	48.4	45.3	46.8
P for trend	0.36	0.91	0.67
Annual change in years, 95% CI	0.12 (-0.14 to 0.37)	-0.015 (0.31 to 0.27)	0.05 (-0.16 to 0.25)
HYPERCHOLESTEROLEMIA			
2008	46.6	47.9	47.2
2009	46.1	47.3	46.7
2010	46.0	47.1	46.5
2011	46.0	47.1	46.5
2012	46.0	46.9	46.4
2013	45.8	46.4	46.1
2014	45.6	46.2	46.0
2015	44.9	46.2	45.5

2016	45.0	45.9	45.4
2017	44.8	45.7	45.2
P for trend	**<0.001**	**<0.001**	**<0.001**
Annual change in years, 95% CI	**-0.18 (-0.25 to -0.11)**	**-0.22 (-0.29 to -0.15)**	**-0.20 (-0.25 to -0.15)**
HYPERTENSION			
2008	44.7	45.1	44.9
2009	44.5	44.6	44.6
2010	44.5	44.5	44.5
2011	44.7	45.0	44.8
2012	44.9	44.7	44.8
2013	44.6	44.6	44.6
2014	44.3	44.0	44.2
2015	44.1	43.9	44.0
2016	43.9	44.2	44.1
2017	43.8	44.0	43.9
P for trend	**0.01**	**0.009**	**0.001**
Annual change in years, 95% CI	**-0.10 (-0.18 to -0.02)**	**-0.11 (-0.19 to -0.03)**	**-0.10 (-0.16 to -0.04)**

Table S7. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by age categories: Trends from 2008-2017 among older adults.

Year	Age of diagnosis		
	Men	Women	Total
Older adults (age 65 years or older)			
CORONARY HEART DISEASE			
2008	62.3	65.5	63.7
2009	63.8	65.9	64.6
2010	63.8	65.8	64.7
2011	63.9	66.0	64.8
2012	64.2	65.9	64.9
2013	62.2	66.7	63.9
2014	62.4	65.4	63.6
2015	62.2	63.9	62.9
2016	61.9	64.6	62.9
2017	62.4	64.3	63.1
P for trend	0.05	0.07	**0.007**
Annual change in years, 95% CI	-0.17 (-0.34 to 0.003)	-0.19 (-0.39 to 0.19)	**-0.19 (-0.32 to -0.05)**
STROKE			
2008	65.8	68.5	67.3
2009	66.8	68.5	67.8
2010	68.2	67.2	67.6
2011	68.6	67.3	67.9
2012	66.4	67.8	67.2
2013	66.1	67.5	66.8
2014	66.4	69.1	67.9
2015	65.9	65.9	65.9
2016	66.6	65.8	66.2
2017	66.8	66.2	66.5
P for trend	0.62	0.09	0.09
Annual change in years, 95% CI	-0.06 (-0.31 to 0.19)	-0.25 (-0.54 to 0.04)	-0.17 (-0.36 to 0.03)
HYPERCHOLESTEROLEMIA			
2008	63.3	65.0	64.3
2009	62.5	64.1	63.4
2010	61.7	63.4	62.7
2011	61.5	63.0	62.3
2012	60.8	62.9	61.9
2013	60.1	62.2	61.3
2014	59.2	61.4	60.4
2015	58.5	60.9	59.9
2016	58.8	60.9	59.9

2017	58.2	60.1	59.2
P for trend	**<0.001**	**<0.001**	**<0.001**
Annual change in years, 95% CI	**-0.57 (-0.68 to -0.46)**	**-0.51 (-0.62 to -0.39)**	**-0.54 (-0.63 to -0.46)**
HYPERTENSION			
2008	59.2	60.1	59.7
2009	58.7	59.9	59.4
2010	58.1	59.1	58.7
2011	58.7	58.8	58.7
2012	57.9	58.9	58.5
2013	57.1	58.3	57.7
2014	56.7	57.4	57.1
2015	56.8	57.8	57.3
2016	55.9	56.9	56.5
2017	55.9	56.8	56.4
P for trend	**<0.001**	**<0.001**	**<0.001**
Annual change in years, 95% CI	**-0.38 (-0.52 to -0.24)**	**-0.37 (-0.49 to -0.25)**	**-0.38 (-0.47 to -0.29)**

Table S8. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by income levels: Trends from 2008-2017 among high income earners.

Year	Age of diagnosis		
	Men	**Women**	**Total**
High income			
CORONARY HEART DISEASE			
2008	55.2	57.5	55.9
2009	57.5	60.8	58.4
2010	57.1	58.5	57.5
2011	56.5	60.2	57.3
2012	58.0	62.3	59.1
2013	57.1	60.2	57.9
2014	57.6	61.1	58.6
2015	57.6	57.3	57.5
2016	58.1	58.2	58.1
2017	58.6	58.2	58.5
P for trend	**0.03**	0.74	0.13
Annual change in years, 95% CI	**0.24 (0.02 to 0.46)**	-0.07 (-0.48 to 0.35)	0.15 (-0.04 to 0.33)
STROKE			
2008	58.4	56.0	57.2
2009	60.9	58.1	59.3
2010	60.3	62.2	61.2
2011	58.4	56.5	57.5
2012	58.5	57.4	57.9
2013	60.5	55.7	58.2
2014	58.9	58.9	58.9
2015	58.8	57.0	57.9
2016	60.2	58.5	59.4
2017	60.9	56.4	58.9
P for trend	0.66	0.87	0.83
Annual change in years, 95% CI	0.11 (-0.39 to 0.61)	-0.05 (-0.65 to 0.56)	0.04 (-0.37 to 0.46)
HYPERCHOLESTEROLEMIA			
2008	48.5	50.9	49.6
2009	48.4	50.7	49.5
2010	48.3	50.7	49.3
2011	48.2	51.5	49.6
2012	48.1	51.6	49.6
2013	48.7	50.7	49.6
2014	48.2	50.5	49.2
2015	47.6	50.3	48.7
2016	47.5	49.4	48.3

2017	47.9	49.6	48.7
P for trend	0.14	**0.006**	**0.009**
Annual change in years, 95% CI	-0.09 (-0.21 to 0.03)	**-0.16 (-0.28 to -0.05)**	**-0.13 (-0.22 to -0.03)**
HYPERTENSION			
2008	46.6	50.1	48.2
2009	46.7	50.0	48.2
2010	47.0	49.6	48.2
2011	47.5	49.6	48.4
2012	47.4	50.3	48.6
2013	48.0	49.9	48.7
2014	47.2	49.2	48.0
2015	47.0	48.5	47.7
2016	46.4	48.8	47.4
2017	46.3	49.0	47.5
P for trend	0.55	**0.01**	0.05
Annual change in years, 95% CI	-0.04 (-0.16 to 0.09)	**-0.16 (-0.29 to -0.03)**	-0.10 (-0.19 to 0.0003)

Table S9. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by income levels: Trends from 2008-2017 among middle income earners.

Year	Age of diagnosis		
	Men	**Women**	**Total**
Middle income			
CORONARY HEART DISEASE			
2008	58.4	61.8	59.8
2009	58.5	59.9	59.0
2010	56.8	61.0	58.7
2011	58.8	63.2	60.5
2012	59.1	59.2	59.2
2013	58.0	61.0	59.2
2014	57.5	57.1	57.3
2015	57.6	59.2	58.2
2016	57.1	59.3	57.9
2017	58.0	58.0	58.0
P for trend	0.44	**0.01**	**0.03**
Annual change in years, 95% CI	-0.09 (-0.34 to 0.15)	**-0.39 (-0.71 to -0.07)**	**-0.21 (-0.41 to -0.02)**
STROKE			
2008	58.1	58.2	58.2
2009	57.2	59.0	58.1
2010	59.3	61.1	60.3
2011	61.0	59.9	60.5
2012	61.6	60.5	61.1
2013	60.3	61.1	60.7
2014	61.8	56.1	58.9
2015	59.9	55.9	57.7
2016	61.8	55.1	58.7
2017	60.6	58.2	59.4
P for trend	0.11	0.13	0.87
Annual change in years, 95% CI	0.36 (-0.08 to 0.80)	-0.41 (-0.95 to 0.12)	-0.03 (-0.37 to 0.32)
HYPERCHOLESTEROLEMIA			
2008	48.7	51.8	50.3
2009	48.5	52.1	50.3
2010	49.0	51.7	50.4
2011	49.0	51.9	50.5
2012	49.5	51.6	50.6
2013	49.1	51.7	50.4
2014	48.7	51.2	50.0
2015	48.2	50.7	49.5

2016	48.8	51.2	50.0
2017	49.5	51.3	50.4
P for trend	0.73	0.14	0.39
Annual change in years, 95% CI	0.02 (-0.10 to 0.15)	-0.11 (-0.26 to 0.04)	-0.04 (-0.14 to 0.06)
HYPERTENSION			
2008	47.0	48.8	47.9
2009	46.7	49.0	47.9
2010	46.3	48.3	47.3
2011	47.7	48.9	48.3
2012	46.8	48.9	47.9
2013	45.6	49.2	47.4
2014	46.4	48.4	47.4
2015	46.6	49.0	47.8
2016	45.9	48.1	47.0
2017	46.3	47.9	47.1
P for trend	0.24	0.31	0.14
Annual change in years, 95% CI	-0.09 (-0.24 to 0.06)	-0.08 (-0.23 to 0.08)	-0.09 (-0.21 to 0.03)

Table S10. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by income levels: Trends from 2008-2017 among low income earners.

Year	Age of diagnosis		
	Men	**Women**	**Total**
Low income			
CORONARY HEART DISEASE			
2008	57.3	60.9	59.0
2009	57.9	60.0	58.8
2010	59.3	60.7	60.0
2011	60.1	59.9	60.0
2012	60.4	63.5	61.8
2013	58.9	62.9	60.8
2014	59.0	65.3	61.9
2015	57.6	64.0	60.4
2016	59.0	62.7	60.7
2017	59.5	62.2	60.8
P for trend	0.65	0.08	0.14
Annual change in years, 95% CI	0.09 (-0.29 to 0.47)	0.36 (-0.06 to 0.78)	0.22 (-0.08 to 0.52)
STROKE			
2008	59.7	61.8	60.8
2009	58.7	59.3	59.0
2010	59.9	59.9	59.9
2011	60.9	61.4	61.2
2012	58.8	60.4	59.7
2013	59.4	60.3	59.9
2014	61.1	66.1	63.9
2015	59.9	57.4	58.5
2016	61.4	60.5	60.9
2017	60.0	59.9	60.0
P for trend	0.67	0.82	0.89
Annual change in years, 95% CI	0.15 (-0.53 to 0.82)	-0.07 (-0.64 to 0.50)	0.03 (-0.39 to 0.45)
HYPERCHOLESTEROLEMIA			
2008	52.8	55.2	54.2
2009	50.4	53.9	52.4
2010	50.0	54.0	52.3
2011	51.1	53.4	52.4
2012	52.0	55.4	53.8
2013	50.7	54.5	52.9
2014	50.1	54.3	52.6
2015	48.9	54.3	51.9

2016	51.0	55.1	53.3
2017	50.6	53.7	52.4
P for trend	0.18	0.88	0.33
Annual change in years, 95% CI	-0.16 (-0.38 to 0.07)	-0.02 (-0.23 to 0.19)	-0.08 (-0.23 to 0.08)
HYPERTENSION			
2008	49.9	50.6	50.3
2009	48.4	50.7	49.7
2010	47.4	50.0	48.9
2011	47.6	50.6	49.3
2012	49.1	50.7	50.0
2013	47.9	49.9	49.0
2014	48.1	49.0	48.6
2015	47.0	49.0	48.2
2016	47.1	50.7	49.0
2017	46.2	49.7	48.1
P for trend	**0.01**	0.18	**0.009**
Annual change in years, 95% CI	**-0.27 (-0.49 to -0.06)**	-0.12 (-0.29 to 0.06)	**-0.19 (-0.33 to -0.05)**

Table S11. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by income levels: Trends from 2008-2017 among very low income earners

Year	Age of diagnosis		
	Men	**Women**	**Total**
Very low income			
CORONARY HEART DISEASE			
2008	53.5	56.5	55.2
2009	53.5	53.8	53.6
2010	56.0	55.9	56.0
2011	55.0	56.8	56.0
2012	55.9	55.8	55.8
2013	54.7	54.4	54.5
2014	55.5	55.8	55.7
2015	54.3	57.6	56.0
2016	54.1	58.9	56.3
2017	56.4	58.9	57.6
P for trend	0.45	0.05	0.07
Annual change in years, 95% CI	0.14 (-0.22 to 0.49)	0.34 (-0.01 to 0.68)	0.23 (-0.02 to 0.47)
STROKE			
2008	53.1	56.9	55.5
2009	55.6	59.6	58.0
2010	51.8	55.9	54.4
2011	53.9	55.3	54.7
2012	53.6	53.3	53.4
2013	55.0	52.7	53.6
2014	57.0	53.3	54.7
2015	53.9	53.2	53.5
2016	52.3	50.9	51.5
2017	55.7	54.7	55.2
P for trend	0.50	**0.005**	0.06
Annual change in years, 95% CI	0.15 (-0.28 to 0.57)	**-0.60 (-1.02 to -0.19)**	-0.29 (-0.61 to 0.02)
HYPERCHOLESTEROLEMIA			
2008	48.7	54.3	52.2
2009	48.6	51.8	50.5
2010	47.3	50.7	49.3
2011	48.5	51.0	50.0
2012	48.0	50.9	49.7
2013	49.1	50.9	50.2
2014	49.2	51.2	50.4
2015	48.4	50.6	49.7

2016	49.2	51.6	50.7
2017	49.1	52.4	51.1
P for trend	0.25	0.21	0.70
Annual change in years, 95% CI	0.11 (-0.08 to 0.30)	-0.12 (-0.30 to 0.07)	-0.03 (-0.18 to 0.12)
HYPERTENSION			
2008	46.9	47.8	47.5
2009	46.6	46.2	46.4
2010	44.6	46.8	46.0
2011	45.4	47.4	46.6
2012	45.6	46.8	46.3
2013	45.5	46.4	46.0
2014	46.0	46.8	46.5
2015	45.1	46.8	46.1
2016	45.5	47.3	46.5
2017	46.7	47.5	47.2
P for trend	0.74	0.81	0.95
Annual change in years, 95% CI	-0.03 (-0.23 to 0.16)	0.02 (-0.15 to 0.19)	-0.004 (-0.14 to 0.13)

Table S12. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by insurance status: Trends from 2008-2017 among participants with private insurance.

Year	Age of diagnosis		
	Men	**Women**	**Total**
Private			
CORONARY HEART DISEASE			
2008	48.1	48.8	48.3
2009	48.4	46.5	47.9
2010	47.6	46.2	47.2
2011	47.6	49.0	48.0
2012	48.5	48.8	48.6
2013	47.2	48.4	47.6
2014	47.2	46.6	47.0
2015	47.8	48.5	48.1
2016	48.5	46.6	47.9
2017	48.9	46.9	48.2
P for trend	0.81	0.73	0.94
Annual change in years, 95% CI	0.03 (-0.19 to 0.25)	-0.07 (-0.51 to 0.36)	-0.01 (-0.22 to 0.21)
STROKE			
2008	49.3	43.1	45.8
2009	48.5	46.0	47.0
2010	46.4	46.3	46.4
2011	44.5	43.8	44.1
2012	46.8	42.3	44.2
2013	48.7	42.5	44.8
2014	49.8	43.9	46.4
2015	48.1	43.7	45.7
2016	47.6	43.4	45.3
2017	46.9	42.4	44.6
P for trend	0.93	0.42	0.57
Annual change in years, 95% CI	0.02 (-0.44 to 0.47)	-0.19 (-0.66 to 0.28)	-0.09 (-0.43 to 0.24)
HYPERCHOLESTEROLEMIA			
2008	43.4	45.1	44.2
2009	43.2	44.4	43.7
2010	43.3	44.4	43.8
2011	43.1	44.6	43.8
2012	43.0	44.9	43.8
2013	43.3	44.2	43.7
2014	43.1	44.0	43.5
2015	42.1	43.8	42.8

2016	42.4	43.4	42.8
2017	42.6	43.3	42.9
P for trend	**0.01**	**0.001**	**<0.001**
Annual change in years, 95% CI	**-0.11 (-0.19 to -0.02)**	**-0.17 (-0.27 to -0.07)**	**-0.14 (-0.21 to -0.07)**
HYPERTENSION			
2008	41.6	43.5	42.5
2009	41.6	42.5	42.0
2010	41.6	42.3	41.9
2011	41.9	43.2	42.5
2012	41.7	42.5	42.1
2013	41.7	42.5	42.0
2014	41.7	42.0	41.8
2015	41.1	41.9	41.5
2016	41.2	42.3	41.7
2017	40.8	42.1	41.4
P for trend	0.10	**0.01**	**0.009**
Annual change in years, 95% CI	-0.08 (-0.17 to 0.02)	**-0.12 (-0.22 to -0.02)**	**-0.10 (-0.17 to -0.02)**

Table S13. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by insurance status: Trends from 2008-2017 among uninsured participants.

Year	Age of diagnosis		
	Men	**Women**	**Total**
Uninsured			
CORONARY HEART DISEASE			
2008	44.5	46.9	45.4
2009	45.7	47.8	46.7
2010	46.9	45.8	46.5
2011	45.3	47.6	46.2
2012	47.4	44.9	46.4
2013	48.7	47.3	48.0
2014	46.2	45.7	46.0
2015	47.5	43.5	46.6
2016	49.7	49.3	49.5
2017	45.8	50.3	48.3
P for trend	0.21	0.83	0.34
Annual change in years, 95% CI	0.34 (-0.19 to 0.88)	0.09 (-0.75 to 0.93)	0.24 (-0.26 to 0.73)
STROKE			
2008	41.1	39.7	40.5
2009	39.6	41.4	40.6
2010	41.2	40.7	41.0
2011	41.5	42.7	42.2
2012	45.8	37.9	42.2
2013	48.4	38.8	45.1
2014	46.8	41.5	44.0
2015	50.0	47.0	48.4
2016	42.4	48.5	45.4
2017	43.0	44.6	43.7
P for trend	0.08	**0.02**	**0.007**
Annual change in years, 95% CI	0.63 (-0.09 to 1.34)	**0.69 (0.08 to 1.30**	**0.65 (0.18 to 1.12)**
HYPERCHOLESTEROLEMIA			
2008	41.6	44.5	42.9
2009	41.6	44.7	43.1
2010	43.1	43.4	43.2
2011	41.8	43.7	42.6
2012	41.7	44.3	43.0
2013	40.7	43.8	42.2
2014	41.9	42.3	42.1
2015	40.5	41.2	40.8

2016	41.9	42.5	42.2
2017	41.9	44.2	42.9
P for trend	0.52	**0.04**	0.08
Annual change in years, 95% CI	-0.07 (-0.28 to 0.15)	**-0.24 (-0.49 to -0.001)**	-0.15 (-0.31 to 0.02)
HYPERTENSION			
2008	40.2	41.0	40.5
2009	40.0	41.0	40.5
2010	40.5	41.1	40.7
2011	39.9	40.2	40.1
2012	39.7	41.6	40.6
2013	40.1	41.5	40.7
2014	41.2	40.3	40.9
2015	40.2	40.9	40.6
2016	38.6	40.8	39.6
2017	41.1	41.2	41.1
P for trend	0.96	0.98	0.97
Annual change in years, 95% CI	0.005 (-0.21 to 0.22)	-0.002 (-0.19 to 0.19)	-0.002 (-0.16 to 0.15)

Table S14. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by insurance status: Trends from 2008-2017 among participants with Medicaid insurance.

Year	Age of diagnosis		
	Men	Women	Total
Medicaid			
CORONARY HEART DISEASE			
2008	46.4	48.1	47.4
2009	44.3	45.5	45.0
2010	45.0	44.9	44.9
2011	47.8	47.3	47.6
2012	49.0	44.5	47.1
2013	47.8	43.3	45.6
2014	46.8	48.2	47.5
2015	46.5	48.0	47.0
2016	45.5	47.3	46.3
2017	49.1	46.7	48.3
P for trend	0.62	0.50	0.33
Annual change in years, 95% CI	0.11 (-0.31 to 0.52)	0.11 (-0.22 to 0.44)	0.13 (-0.13 to 0.38)
STROKE			
2008	46.5	40.8	42.8
2009	48.6	44.5	46.2
2010	41.3	47.0	45.0
2011	46.3	45.7	46.0
2012	47.6	43.9	45.9
2013	46.2	40.3	43.3
2014	47.8	41.6	44.0
2015	47.0	42.0	44.1
2016	46.1	41.9	43.5
2017	46.8	42.7	44.5
P for trend	0.87	0.25	0.40
Annual change in years, 95% CI	0.04 (-0.46 to 0.55)	-0.26 (-0.72 to 0.19)	-0.14 (-0.48 to 0.19)
HYPERCHOLESTEROLEMIA			
2008	44.3	43.2	43.6
2009	41.5	42.1	41.9
2010	39.4	41.7	41.0
2011	44.1	43.8	44.0
2012	44.4	42.8	43.5
2013	44.0	43.5	43.7
2014	43.5	44.4	44.0
2015	43.8	43.4	43.6
2016	42.7	42.8	42.8

2017	43.4	43.0	43.2
P for trend	0.64	0.46	0.36
Annual change in years, 95% CI	0.04 (-0.14 to 0.23)	0.06 (-0.11 to 0.24)	0.06 (-0.07 to 0.18)
HYPERTENSION			
2008	42.4	37.7	39.3
2009	40.5	39.1	39.5
2010	38.2	38.2	38.2
2011	41.6	40.7	41.1
2012	41.9	39.6	40.7
2013	40.6	40.0	40.3
2014	40.5	40.6	40.5
2015	40.9	39.8	40.3
2016	40.5	40.3	40.4
2017	40.5	39.9	40.2
P for trend	0.38	**0.04**	0.24
Annual change in years, 95% CI	-0.10 (-0.31 to 0.12)	**0.18 (0.01 to 0.35)**	0.08 (-0.06 to 0.22)

Table S15. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by insurance status: Trends from 2008-2017 among participants with Medicare insurance.

Year	Age of diagnosis		
	Men	**Women**	**Total**
Medicare			
CORONARY HEART DISEASE			
2008	60.3	63.2	61.8
2009	61.4	63.0	62.2
2010	61.8	62.8	62.3
2011	64.0	66.0	64.8
2012	64.2	66.0	64.9
2013	62.2	66.6	63.9
2014	62.5	65.4	63.6
2015	62.2	63.9	62.9
2016	61.9	64.5	62.9
2017	62.3	64.3	63.0
P for trend	0.94	0.41	0.79
Annual change in years, 95% CI	0.008 (-0.22 to 0.23)	0.10 (-0.14 to 0.34)	0.02 (-0.15 to 0.19)
STROKE			
2008	60.2	64.7	62.6
2009	61.2	66.0	63.8
2010	64.5	64.7	64.6
2011	68.6	67.5	68.0
2012	66.4	67.8	67.2
2013	66.1	67.5	66.9
2014	66.5	69.2	67.9
2015	66.0	66.3	66.2
2016	66.6	65.9	66.2
2017	66.8	66.2	66.5
P for trend	**0.01**	0.58	**0.03**
Annual change in years, 95% CI	**0.48 (0.12 to 0.84)**	0.09 (-0.24 to 0.43)	**0.27 (0.02 to 0.53)**
HYPERCHOLESTEROLEMIA			
2008	60.4	62.8	61.8
2009	59.9	61.9	61.1
2010	58.5	61.3	60.2
2011	61.5	63.1	62.4
2012	60.9	63.0	62.0
2013	60.2	62.2	61.3
2014	59.3	61.4	60.5
2015	58.5	61.0	59.9

2016	58.8	61.1	60.0
2017	58.2	60.1	59.2
P for trend	**<0.001**	**<0.001**	**<0.001**
Annual change in years, 95% CI	**-0.29 (-0.43 to -0.14)**	**-0.27 (-0.41 to -0.14)**	**-0.29 (-0.39 to -0.18)**
HYPERTENSION			
2008	57.5	58.3	58.0
2009	57.1	57.3	57.2
2010	55.8	56.3	56.1
2011	58.7	58.8	58.8
2012	58.0	58.9	58.5
2013	57.2	58.2	57.7
2014	56.8	57.4	57.1
2015	56.8	57.8	57.4
2016	55.9	56.9	56.5
2017	55.9	56.8	56.4
P for trend	**0.008**	0.06	**0.003**
Annual change in years, 95% CI	**-0.21 (-0.37 to -0.06)**	-0.13 (-0.26 to 0.08)	**-0.17 (-0.28 to -0.06)**

Table S16. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by region: Trends from 2008-2017 among participants living in the Northeast.

Year	Age of diagnosis		
	Men	**Women**	**Total**
Northeast			
CORONARY HEART DISEASE			
2008	58.5	56.5	57.6
2009	60.4	56.2	58.8
2010	58.6	59.2	58.8
2011	58.7	60.6	59.4
2012	58.5	61.0	59.5
2013	57.1	59.1	57.9
2014	58.9	58.9	58.9
2015	59.4	59.5	59.5
2016	59.2	62.2	60.5
2017	57.5	60.1	58.5
P for trend	0.69	0.05	0.41
Annual change in years, 95% CI	-0.08 (-0.49 to 0.33)	0.44 (-0.01 to 0.88)	0.13 (-0.17 to 0.43)
STROKE			
2008	53.7	55.3	54.6
2009	54.0	58.1	56.3
2010	58.7	63.0	61.2
2011	61.8	58.9	60.4
2012	57.8	57.7	57.7
2013	56.8	55.1	56.0
2014	62.1	59.9	61.1
2015	61.8	58.9	60.1
2016	63.3	59.7	61.4
2017	61.2	61.3	61.3
P for trend	**0.005**	0.47	**0.01**
Annual change in years, 95% CI	**0.86 (0.27-1.46)**	0.24 (-0.43 to 0.92)	**0.54 (0.12 to 0.95)**
HYPERCHOLESTEROLEMIA			
2008	49.0	52.9	51.0
2009	48.8	52.6	50.6
2010	49.6	52.2	50.8
2011	47.8	52.8	50.2
2012	47.4	52.5	49.9
2013	48.1	51.7	50.0
2014	48.1	51.4	49.7
2015	48.6	52.0	50.2

2016	48.8	52.8	50.8
2017	48.9	50.5	49.7
P for trend	0.84	0.09	0.29
Annual change in years, 95% CI	-0.02 (-0.25 to 0.20)	-0.16 (-0.34 to 0.03)	-0.08 (-0.24 to 0.07)
HYPERTENSION			
2008	47.3	49.9	48.6
2009	47.2	49.8	48.5
2010	47.4	48.9	48.1
2011	47.7	50.4	49.0
2012	47.2	50.2	48.7
2013	47.8	49.8	48.8
2014	48.6	50.0	49.3
2015	47.2	49.3	48.3
2016	47.2	50.7	48.9
2017	46.2	50.0	48.0
P for trend	0.63	0.69	0.92
Annual change in years, 95% CI	-0.053 (-0.27 to 0.17)	0.05 (-0.17 to 0.26)	-0.008 (-0.18 to 0.16)

Table S17. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by region: Trends from 2008-2017 among individuals living in the Midwest.

Year	Age of diagnosis		
	Men	Women	Total
Midwest			
CORONARY HEART DISEASE			
2008	55.6	62.0	58.5
2009	56.1	61.2	58.0
2010	57.5	62.6	59.6
2011	57.2	62.4	59.1
2012	58.0	62.1	59.2
2013	56.8	63.4	59.0
2014	56.8	60.4	58.3
2015	58.6	58.3	58.5
2016	56.5	59.2	57.5
2017	57.4	58.6	57.8
P for trend	0.37	0.05	0.41
Annual change in years, 95% CI	0.12 (-0.15 to 0.39)	-0.41 (-0.82 to 0.01)	-0.11 (-0.36 to 0.15)
STROKE			
2008	60.3	58.1	59.2
2009	62.2	58.7	60.2
2010	58.9	57.0	57.7
2011	58.1	59.1	58.6
2012	60.3	57.0	58.7
2013	60.5	57.1	58.7
2014	60.6	60.6	60.6
2015	57.8	56.0	56.9
2016	58.3	57.2	57.7
2017	60.9	57.1	58.8
P for trend	0.57	0.71	0.57
Annual change in years, 95% CI	-0.14 (-0.62 to 0.34)	-0.11 (-0.72 to 0.49)	-0.12 (-0.53 to 0.29)
HYPERCHOLESTEROLEMIA			
2008	49.5	52.2	50.9
2009	49.5	51.8	50.7
2010	48.6	51.3	50.0
2011	49.0	51.7	50.3
2012	48.9	51.8	50.3
2013	49.0	51.3	50.1
2014	49.5	51.1	50.2
2015	48.9	50.7	49.8

2016	48.7	50.8	49.7
2017	48.7	51.1	49.9
P for trend	0.50	0.12	0.12
Annual change in years, 95% CI	- 0.06 (-0.24 to 0.12)	-0.14 (-0.31 to 0.04)	-0.10 (-0.24 to 0.03)
HYPERTENSION			
2008	47.6	49.0	48.3
2009	46.7	48.5	47.6
2010	45.5	48.4	47.0
2011	47.0	49.7	48.4
2012	47.2	50.1	48.7
2013	46.4	48.7	47.6
2014	46.5	48.2	47.3
2015	47.1	47.8	47.5
2016	46.0	48.2	47.1
2017	46.8	48.3	47.6
P for trend	0.72	0.22	0.27
Annual change in years, 95% CI	-0.03 (-0.22 to 0.15)	-0.11 (-0.29 to 0.07)	-0.08 (-0.22 to 0.06)

Table S18. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by region: Trends from 2008-2017 among individuals living in the South.

Year	Age of diagnosis		
	Men	Women	Total
South			
CORONARY HEART DISEASE			
2008	55.0	57.8	56.2
2009	55.8	57.9	56.7
2010	56.6	56.8	56.7
2011	57.8	57.1	57.6
2012	58.5	57.5	58.1
2013	57.7	57.5	57.6
2014	56.5	57.4	56.9
2015	56.1	58.4	57.1
2016	57.5	57.8	57.6
2017	58.4	59.1	58.7
P for trend	0.12	0.51	0.12
Annual change in years, 95% CI	0.21 (-0.05 to 0.47)	0.11 (-0.22 to 0.43)	0.16 (-0.04 to 0.37)
STROKE			
2008	56.8	57.6	57.3
2009	57.9	58.6	58.3
2010	57.6	59.5	58.6
2011	57.0	56.0	56.5
2012	56.5	56.1	56.3
2013	58.5	56.1	57.1
2014	58.9	54.9	56.6
2015	57.2	54.3	55.6
2016	57.9	54.2	55.9
2017	58.0	57.0	57.5
P for trend	0.68	**0.04**	0.28
Annual change in years, 95% CI	0.09 (-0.38 to 0.57)	**-0.39 (-0.79 to -0.01)**	-0.17 (-0.48 to 0.14)
HYPERCHOLESTEROLEMIA			
2008	49.1	52.5	50.9
2009	48.5	51.4	50.0
2010	48.5	51.2	49.9
2011	49.5	51.5	50.5
2012	49.6	51.7	50.7
2013	49.5	51.7	50.6
2014	49.1	51.4	50.2
2015	48.0	50.4	49.2
2016	48.6	50.5	49.5

2017	49.0	51.4	50.2
P for trend	0.68	0.08	0.13
Annual change in years, 95% CI	-0.03 (-0.18 to 0.12)	-0.13 (-0.28 to 0.02)	-0.09 (-0.21 to 0.03)
HYPERTENSION			
2008	46.6	48.5	47.6
2009	46.6	48.2	47.5
2010	46.4	48.4	47.4
2011	46.7	47.6	47.2
2012	46.4	47.6	47.0
2013	46.5	47.9	47.2
2014	46.5	47.2	46.9
2015	46.3	47.7	47.0
2016	45.4	47.4	46.4
2017	46.0	47.1	46.6
P for trend	0.21	**0.03**	**0.03**
Annual change in years, 95% CI	-0.08 (-0.23 to 0.05)	**-0.14 (-0.27 to -0.01)**	**-0.12 (-0.22 to -0.01)**

Table S19. Sex differences in the prevalence and age of diagnosis of cardiovascular disease & its risk factors, stratified by region: Trends from 2008-2017 among individuals living in the West.

Year	Age of diagnosis		
	Men	**Women**	**Total**
West			
CORONARY HEART DISEASE			
2008	57.3	60.8	58.5
2009	58.0	58.3	58.1
2010	56.6	59.1	57.6
2011	55.4	63.3	58.7
2012	58.5	62.2	60.0
2013	57.2	59.4	58.2
2014	58.0	61.7	59.3
2015	55.2	62.8	57.8
2016	56.2	60.8	58.0
2017	59.5	59.5	59.5
P for trend	0.92	0.69	0.44
Annual change in years, 95% CI	0.02 (-0.29 to 0.33)	0.11 (-0.42 to 0.63)	0.05 (-0.18 to 0.28)
STROKE			
2008	58.1	60.8	59.6
2009	57.5	60.7	59.3
2010	58.1	60.2	59.1
2011	60.2	60.1	60.1
2012	59.6	60.6	60.2
2013	60.0	61.3	60.7
2014	57.7	58.7	58.3
2015	58.4	56.5	57.4
2016	60.5	55.8	58.0
2017	59.1	54.4	56.8
P for trend	0.70	**0.04**	0.27
Annual change in years, 95% CI	0.14 (-0.59 to 0.89)	**-0.69 (-1.39 to -0.01)**	-0.30 (-0.85 to 0.24)
HYPERCHOLESTEROLEMIA			
2008	48.6	51.8	50.1
2009	48.1	51.8	49.8
2010	47.8	51.5	49.5
2011	48.3	51.6	49.9
2012	49.2	52.4	50.8
2013	49.2	51.7	50.4
2014	47.6	51.9	49.6
2015	46.6	51.8	49.1

2016	47.6	51.1	49.3
2017	48.3	51.4	49.8
P for trend	0.29	0.59	0.30
Annual change in years, 95% CI	-0.08 (-0.24 to 0.07)	-0.04 (-0.21 to 0.12)	-0.06 (-0.18 to 0.05)
HYPERTENSION			
2008	47.8	50.9	49.4
2009	47.4	50.7	48.9
2010	47.0	49.6	48.3
2011	48.4	50.5	49.4
2012	48.7	50.5	49.6
2013	47.8	50.4	49.0
2014	46.6	49.7	48.1
2015	46.3	49.9	48.1
2016	47.3	49.6	48.4
2017	46.7	50.3	48.4
P for trend	0.15	0.30	0.08
Annual change in years, 95% CI	-0.13 (-0.31 to 0.04)	-0.09 (-0.27 to 0.08)	-0.11 (-0.24 to 0.02)