SUPPLEMENTAL MATERIAL

Table S1. Age Stratified Associations of Risk Factors with Incidence of Cardiovascular Disease

	20-49 Years (n=2,008,559)	50-59 Years (n=712,273)	60-75 Years (n=307,007)	P for interaction
Myocardial Infarction				
Number of Events	2,573	2,473	1,269	
Incidence Rate (per 10,000 person-year)	4.1 (3.9-4.3)	10.6 (10.2-11.1)	16.3 (15.4-17.2)	
Age	1.07 (1.06-1.07)	1.05 (1.03-1.06)	1.07 (1.05-1.08)	---------
Men	1.63 (1.47-1.82)	2.31 (2.05-2.59)	2.58 (2.22-3.01)	---------
Obesity	1.47 (1.35-1.61)	1.43 (1.31-1.55)	1.03 (0.91-1.16)	<0.001
Hypertension	1.96 (1.79-2.15)	1.55 (1.42-1.68)	1.40 (1.25-1.57)	<0.001
Diabetes Mellitus	2.30 (2.02-2.61)	1.65 (1.48-1.83)	1.55 (1.35-1.78)	<0.001
Dyslipidemia	1.68 (1.54-1.83)	1.76 (1.61-1.92)	1.52 (1.35-1.72)	0.12
Cigarette Smoking	1.73 (1.60-1.88)	1.81 (1.67-1.97)	1.48 (1.31-1.67)	0.023
Physical Inactivity	1.04 (0.96-1.12)	1.01 (0.93-1.10)	1.12 (1.00-1.25)	0.41
Angina Pectoris				
Number of Events	25,484	20,729	10,234	
Incidence Rate (per 10,000 person-year)	41.0 (40.5-41.5)	90.9 (89.7-92.2)	134.7 (132.2-137.4)	
Age	1.06 (1.05-1.06)	1.03 (1.03-1.04)	1.05 (1.05-1.06)	---------
Men	1.10 (1.07-1.13)	1.09 (1.06-1.13)	1.16 (1.11-1.21)	---------
Obesity	1.22 (1.18-1.26)	1.17 (1.13-1.20)	1.16 (1.11-1.21)	0.10
Hypertension	1.81 (1.76-1.87)	1.53 (1.48-1.57)	1.37 (1.32-1.43)	<0.001
Diabetes Mellitus	1.60 (1.52-1.69)	1.37 (1.31-1.43)	1.22 (1.15-1.29)	<0.001
Dyslipidemia	1.24 (1.21-1.27)	1.23 (1.20-1.27)	1.17 (1.12-1.22)	0.029

Cigarette Smoking	1.01 (0.98-1.03)	1.05 (1.02-1.09)	1.05 (1.00-1.10)	0.037
Physical Inactivity	1.05 (1.03-1.08)	1.04 (1.01-1.06)	1.09 (1.05-1.14)	0.091

Stroke

Number of Events	10,385	10,877	6,817	
Incidence Rate (per 10,000 person-year)	16.6 (16.3-16.9)	47.2 (46.3-48.1)	88.9 (86.8-91.0)	
Age	1.09 (1.08-1.09)	1.06 (1.05-1.07)	1.08 (1.07-1.09)	---------
Men	0.93 (0.89-0.98)	1.05 (1.01-1.10)	1.05 (0.99-1.10)	---------
Obesity	1.15 (1.10-1.20)	1.02 (0.98-1.07)	1.01 (0.95-1.07)	0.001
Hypertension	2.33 (2.23-2.44)	1.75 (1.68-1.82)	1.48 (1.41-1.56)	<0.001
Diabetes Mellitus	1.33 (1.22-1.45)	1.30 (1.22-1.38)	1.17 (1.09-1.25)	0.042
Dyslipidemia	1.11 (1.07-1.16)	1.11 (1.07-1.16)	1.05 (1.00-1.11)	0.20
Cigarette Smoking	1.20 (1.15-1.26)	1.16 (1.11-1.21)	1.24 (1.17-1.32)	0.12
Physical Inactivity	1.05 (1.00-1.09)	1.06 (1.02-1.10)	1.03 (0.98-1.08)	0.58

Heart Failure

Number of Events	24,318	20,422	11,629	
Incidence Rate (per 10,000 person-year)	39.1 (38.6-39.6)	89.4 (88.1-90.6)	153.2 (150.5-156.0)	
Age	1.05 (1.05-1.05)	1.05 (1.04-1.05)	1.07 (1.06-1.07)	---------
Men	0.94 (0.91-0.97)	1.19 (1.15-1.23)	1.23 (1.18-1.28)	---------
Obesity	1.35 (1.31-1.39)	1.25 (1.21-1.29)	1.23 (1.18-1.28)	0.003
Hypertension	2.45 (2.38-2.53)	1.87 (1.82-1.93)	1.62 (1.56-1.68)	<0.001
Diabetes Mellitus	1.55 (1.46-1.63)	1.32 (1.26-1.38)	1.13 (1.07-1.19)	<0.001
Dyslipidemia	1.17 (1.13-1.20)	1.10 (1.07-1.13)	1.00 (0.96-1.04)	<0.001
Cigarette Smoking	1.06 (1.03-1.09)	1.06 (1.03-1.10)	1.11 (1.06-1.16)	<0.001

Physical Inactivity	1.00 (0.98-1.03)	1.03 (1.00-1.06)	1.08 (1.04-1.12)	0.022

Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.

Table S2. Relative Risk Reduction for Cardiovascular Disease Event with Risk Factors

	20-49 Years (n=2,008,559)	50-59 Years (n=712,273)	60-75 Years (n=307,007)	Overall (n=3,027,839)
Myocardial Infarction				
Obesity	32.1% (25.9%-37.7%)	29.9% (23.6%-35.6%)	2.5% (-10.6%-14.1%)	27.6% (23.6%-31.4%)
Hypertension	49.1% (44.2%-53.6%)	35.4% (29.6%-40.6%)	28.4% (19.6%-36.2%)	39.6% (36.0%-42.9%)
Diabetes Mellitus	56.5% (50.4%-61.8%)	39.3% (32.3%-45.5%)	35.5% (25.7%-43.9%)	43.6% (39.4%-47.6%)
Dyslipidemia	40.4% (35.1%-45.3%)	43.1% (37.7%-48.0%)	34.4% (25.9%-42.0%)	40.6% (37.2%-43.7%)
Cigarette Smoking	42.3% (37.5%-46.8%)	44.8% (40.2%-49.1%)	32.2% (23.5%-40.0%)	42.0% (38.9%-44.9%)
Physical Inactivity	3.4% (-4.6%-10.8%)	1.2% (-7.1%-8.8%)	10.5% (0.0%-20.0%)	4.7% (-0.2%-9.4%)
Angina Pectoris				
Obesity	18.0% (15.6%-20.3%)	14.4% (11.7%-17.0%)	13.5% (9.5%-17.2%)	17.2% (15.6%-18.7%)
Hypertension	44.9% (43.1%-46.6%)	34.5% (32.6%-36.4%)	27.0% (24.0%-29.9%)	36.9% (35.6%-38.1%)
Diabetes Mellitus	37.6% (34.1%-41.0%)	26.8% (23.5%-29.9%)	18.0% (13.3%-22.4%)	26.6% (24.4%-28.7%)
Dyslipidemia	19.3% (17.1%-21.5%)	18.8% (16.5%-21.1%)	14.4% (10.8%-17.9%)	19.0% (17.6%-20.4%)
Cigarette Smoking	0.6% (-2.3%-3.3%)	5.0% (2.0%-7.9%)	4.3% (-0.4%-8.9%)	3.4% (1.6%-5.3%)
Physical Inactivity	5.0% (2.6%-7.4%)	3.4% (0.7%-6.1%)	8.6% (5.0%-12.1%)	5.8% (4.2%-7.3%)
Stroke				
Obesity	12.9% (8.8%-16.8%)	2.2% (-2.1%-6.4%)	0.7% (-5.0%-6.1%)	7.8% (5.2%-10.2%)
Hypertension	57.1% (55.1%-59.1%)	42.7% (40.4%-45.0%)	32.6% (29.2%-35.8%)	45.1% (43.6%-46.5%)

Diabetes Mellitus	24.8% (17.9%-31.1%)	22.9% (17.9%-27.5%)	14.5% (8.4%-20.1%)	19.2% (15.9%-22.5%)
Dyslipidemia	10.2% (6.2%-14.0%)	10.2% (6.6%-13.7%)	5.2% (0.3%-9.8%)	9.8% (7.5%-12.0%)
Cigarette Smoking	17.0% (13.3%-20.5%)	13.6% (9.8%-17.2%)	19.4% (14.7%-24.0%)	16.7% (14.4%-18.9%)
Physical Inactivity	4.3% (0.5%-8.0%)	5.9% (2.2%-9.4%)	3.0% (-1.8%-7.5%)	5.2% (3.0%-7.5%)
Heart Failure				
Obesity	25.9% (23.7%-28.0%)	19.9% (17.4%-22.3%)	18.5% (15.0%-21.7%)	23.3% (21.9%-24.7%)
Hypertension	59.2% (58.0%-60.5%)	46.6% (45.0%-48.1%)	38.1% (35.7%-40.4%)	50.1% (49.1%-51.0%)
Diabetes Mellitus	35.3% (31.7%-38.8%)	24.1% (20.7%-27.3%)	11.5% (6.8%-16.0%)	23.3% (21.0%-25.5%)
Dyslipidemia	14.3% (11.8%-16.7%)	8.9% (6.3%-11.5%)	-0.2% (-4.1%-3.5%)	9.0% (7.4%-10.6%)
Cigarette Smoking	5.3% (2.5%-8.0%)	6.1% (3.1%-9.0%)	9.8% (5.7%-13.8%)	6.6% (4.8%-8.4%)
Physical Inactivity	0.2% (-2.4%-2.8%)	3.1% (0.4%-5.7%)	7.6% (4.1%-11.0%)	2.9% (1.3%-4.5%)

Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years.

Table S3. Age Stratified Associations of Risk Factors with Incidence of Cardiovascular Disease After Multiple Imputations

	20-49 Years (n=2,540,552)	50-59 Years (n=847,622)	60-75 Years (n=367,288)	P for interaction
Myocardial Infarction				
Number of Events	3,413	3,157	1,504	
Incidence Rate (per 10,000 person-year)	4.0 (3.9-4.2)	10.9 (10.6-11.3)	15.9 (15.1-16.7)	
Age	1.07 (1.07-1.08)	1.05 (1.03-1.06)	1.07 (1.05-1.08)	---------
Men	1.62 (1.48-1.78)	2.33 (2.10-2.58)	2.64 (2.29-3.04)	---------
Obesity	1.49 (1.39-1.61)	1.39 (1.29-1.50)	1.06 (0.95-1.19)	<0.001
Hypertension	2.00 (1.85-2.16)	1.51 (1.40-1.62)	1.41 (1.27-1.57)	<0.001
Diabetes Mellitus	2.18 (1.95-2.44)	1.62 (1.48-1.79)	1.48 (1.30-1.68)	<0.001
Dyslipidemia	1.72 (1.59-1.85)	1.79 (1.65-1.94)	1.58 (1.42-1.77)	0.14
Cigarette Smoking	1.72 (1.60-1.85)	1.79 (1.66-1.92)	1.51 (1.35-1.69)	0.045
Physical Inactivity	1.02 (0.95-1.11)	1.01 (0.94-1.10)	1.11 (0.99-1.23)	0.47
Angina Pectoris				
Number of Events	34,276	26,254	12,523	
Incidence Rate (per 10,000 person-year)	40.8 (40.4-41.2)	92.9 (91.8-94.0)	135.5 (133.1-137.9)	
Age	1.06 (1.06-1.06)	1.04 (1.03-1.04)	1.05 (1.05-1.06)	---------
Men	1.11 (1.08-1.13)	1.11 (1.08-1.14)	1.16 (1.11-1.21)	---------
Obesity	1.22 (1.19-1.25)	1.16 (1.13-1.19)	1.16 (1.12-1.21)	0.062
Hypertension	1.79 (1.74-1.84)	1.53 (1.49-1.57)	1.37 (1.32-1.42)	<0.001
Diabetes Mellitus	1.60 (1.53-1.68)	1.39 (1.34-1.44)	1.23 (1.17-1.29)	<0.001

Dyslipidemia	1.25 (1.22-1.28)	1.24 (1.21-1.27)	1.19 (1.15-1.24)	0.061
Cigarette Smoking	1.01 (0.98-1.04)	1.05 (1.03-1.09)	1.05 (1.00-1.10)	0.014
Physical Inactivity	1.05 (1.03-1.08)	1.03 (1.01-1.06)	1.09 (1.05-1.13)	0.099

Stroke

Number of Events	13,766	13,743	8,256	
Incidence Rate (per 10,000 person-year)	16.3 (16.0-16.5)	48.1 (47.3-48.9)	88.5 (86.6-90.4)	
Age	1.09 (1.08-1.09)	1.06 (1.05-1.07)	1.08 (1.07-1.09)	---------
Men	0.94 (0.90-0.98)	1.07 (1.03-1.11)	1.05 (1.00-1.10)	---------
Obesity	1.14 (1.09-1.18)	1.03 (1.00-1.08)	1.03 (0.97-1.08)	0.004
Hypertension	2.30 (2.21-2.40)	1.74 (1.68-1.80)	1.49 (1.42-1.56)	<0.001
Diabetes Mellitus	1.37 (1.27-1.48)	1.31 (1.24-1.39)	1.14 (1.07-1.22)	<0.001
Dyslipidemia	1.11 (1.07-1.16)	1.12 (1.08-1.16)	1.06 (1.02-1.11)	0.18
Cigarette Smoking	1.19 (1.14-1.24)	1.16 (1.11-1.20)	1.25 (1.18-1.32)	0.033
Physical Inactivity	1.02 (0.99-1.07)	1.04 (1.00-1.08)	1.03 (0.98-1.08)	0.79

Heart Failure

Number of Events	32,470	25,824	14,158	
Incidence Rate (per 10,000 person-year)	38.6 (38.2-39.0)	91.1 (90.0-92.3)	153.3 (150.8-155.9)	
Age	1.05 (1.05-1.06)	1.05 (1.04-1.05)	1.06 (1.06-1.07)	---------
Men	0.94 (0.92-0.97)	1.20 (1.16-1.23)	1.24 (1.20-1.29)	---------
Obesity	1.35 (1.32-1.39)	1.25 (1.21-1.28)	1.23 (1.19-1.28)	<0.001
Hypertension	2.43 (2.37-2.50)	1.88 (1.83-1.93)	1.62 (1.57-1.68)	<0.001
Diabetes Mellitus	1.52 (1.45-1.59)	1.31 (1.26-1.36)	1.13 (1.07-1.18)	<0.001
Dyslipidemia	1.17 (1.14-1.20)	1.10 (1.07-1.13)	1.02 (0.98-1.05)	<0.001

	1.05 (1.02-1.08)	1.06 (1.04-1.10)	1.12 (1.08-1.17)	<0.001
Cigarette Smoking	1.05 (1.02-1.08)	1.06 (1.04-1.10)	1.12 (1.08-1.17)	<0.001
Physical Inactivity	1.00 (0.98-1.03)	1.02 (1.00-1.05)	1.07 (1.03-1.11)	0.043

We analyzed 3,755,462 participants after incorporating multiple imputations for missing data. Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.

Table S4. Age Stratified Associations of Risk Factors with Incidence of Cardiovascular Disease after Excluding Participants Taking Medications for Hypertension, Diabetes Mellitus, and Dyslipidemia

	20-49 Years (n=1,908,287)	50-59 Years (n=555,456)	60-75 Years (n=190,807)	P for interaction
Myocardial Infarction				
Number of Events	2,085	1,596	648	
Incidence Rate (per 10,000 person-year)	3.5 (3.4-3.7)	8.8 (8.4-9.2)	13.3 (12.3-14.4)	
Age	1.07 (1.06-1.07)	1.07 (1.05-1.09)	1.07 (1.05-1.10)	---------
Men	1.56 (1.39-1.75)	2.40 (2.08-2.76)	2.89 (2.33-3.58)	---------
Obesity	1.50 (1.37-1.65)	1.51 (1.36-1.68)	1.06 (0.88-1.28)	0.005
Hypertension	1.86 (1.67-2.08)	1.47 (1.32-1.65)	1.40 (1.19-1.65)	0.010
Diabetes Mellitus	2.47 (2.04-2.98)	1.74 (1.44-2.09)	1.58 (1.21-2.07)	0.015
Dyslipidemia	1.68 (1.53-1.85)	1.80 (1.62-2.01)	1.69 (1.44-1.99)	0.31
Cigarette Smoking	1.73 (1.58-1.90)	1.86 (1.68-2.06)	1.46 (1.24-1.73)	0.024
Physical Inactivity	1.03 (0.94-1.13)	1.03 (0.93-1.14)	1.18 (1.01-1.38)	0.37
Angina Pectoris				
Number of Events	21,857	13,881	5,301	
Incidence Rate (per 10,000 person-year)	37.2 (36.7-37.7)	77.8 (76.6-79.2)	111.0 (108.1-114.1)	
Age	1.06 (1.05-1.06)	1.04 (1.03-1.05)	1.06 (1.05-1.07)	---------
Men	1.11 (1.07-1.14)	1.09 (1.05-1.13)	1.12 (1.06-1.19)	---------
Obesity	1.22 (1.19-1.26)	1.21 (1.16-1.26)	1.25 (1.17-1.33)	0.73
Hypertension	1.66 (1.59-1.72)	1.41 (1.36-1.47)	1.18 (1.11-1.25)	<0.001
Diabetes Mellitus	1.55 (1.42-1.69)	1.37 (1.27-1.49)	1.25 (1.12-1.41)	0.010

Dyslipidemia	1.22 (1.18-1.25)	1.21 (1.17-1.25)	1.14 (1.08-1.20)	0.072
Cigarette Smoking	0.99 (0.96-1.02)	1.04 (1.00-1.08)	1.06 (0.99-1.13)	0.065
Physical Inactivity	1.06 (1.03-1.09)	1.04 (1.00-1.07)	1.10 (1.04-1.16)	0.22
Stroke				
Number of Events	8,966	7,497	3,748	
Incidence Rate (per 10,000 person-year)	15.2 (14.9-15.5)	41.7 (40.7-42.6)	77.9 (75.5-80.5)	
Age	1.09 (1.08-1.09)	1.07 (1.06-1.07)	1.08 (1.07-1.10)	---------
Men	0.93 (0.89-0.98)	1.02 (0.97-1.07)	1.04 (0.97-1.12)	---------
Obesity	1.13 (1.08-1.19)	1.05 (0.99-1.11)	1.05 (0.97-1.14)	0.17
Hypertension	2.36 (2.24-2.49)	1.81 (1.72-1.91)	1.46 (1.36-1.56)	<0.001
Diabetes Mellitus	1.39 (1.22-1.59)	1.26 (1.13-1.41)	1.17 (1.02-1.35)	0.23
Dyslipidemia	1.10 (1.05-1.15)	1.12 (1.07-1.17)	1.04 (0.97-1.10)	0.16
Cigarette Smoking	1.21 (1.15-1.26)	1.18 (1.12-1.25)	1.27 (1.17-1.37)	0.150
Physical Inactivity	1.06 (1.01-1.10)	1.06 (1.02-1.11)	1.02 (0.95-1.08)	0.45
Heart Failure				
Number of Events	20,563	13,382	6,004	
Incidence Rate (per 10,000 person-year)	35.0 (34.5-35.4)	74.9 (73.6-76.1)	125.8 (122.7-129.0)	
Age	1.05 (1.05-1.05)	1.06 (1.05-1.06)	1.07 (1.06-1.08)	---------
Men	0.94 (0.91-0.97)	1.17 (1.13-1.22)	1.27 (1.20-1.34)	---------
Obesity	1.35 (1.30-1.39)	1.29 (1.24-1.34)	1.24 (1.17-1.32)	0.24
Hypertension	2.29 (2.21-2.38)	1.76 (1.69-1.83)	1.44 (1.36-1.52)	<0.001
Diabetes Mellitus	1.71 (1.57-1.85)	1.45 (1.34-1.56)	1.32 (1.19-1.46)	0.002
Dyslipidemia	1.15 (1.11-1.18)	1.08 (1.04-1.11)	0.97 (0.92-1.02)	<0.001

Cigarette Smoking	1.06 (1.02-1.09)	1.07 (1.03-1.11)	1.13 (1.06-1.20)	<0.001
Physical Inactivity	1.00 (0.97-1.03)	1.04 (1.00-1.08)	1.06 (1.01-1.12)	0.14

After excluding 373,289 participants taking blood pressure-lowering mediations, glucose-lowering medications, or lipid-lowering medications, we analyzed 2,654,550 participants. Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.

Table S5. Age Stratified Associations of Risk Factors with Incidence of Cardiovascular Disease including Body Mass Index, Systolic Blood Pressure, and Low-Density Lipoprotein Cholesterol as Continuous Variables

	20-49 Years	50-59 Years	60-75 Years	P for interaction
	(n=2,008,559)	(n=712,273)	(n=307,007)	
Myocardial Infarction				
Number of Events	2,573	2,473	1,269	
Incidence Rate (per 10,000 person-year)	4.1 (3.9-4.3)	10.6 (10.2-11.1)	16.3 (15.4-17.2)	
Age	1.07 (1.06-1.08)	1.06 (1.04-1.07)	1.07 (1.05-1.09)	---------
Men	1.60 (1.44-1.77)	2.43 (2.16-2.73)	2.63 (2.26-3.06)	---------
Body Mass Index per 1 kg/m^2	1.05 (1.04-1.06)	1.06 (1.05-1.07)	1.03 (1.02-1.05)	0.023
Systolic Blood Pressure per 10 mmHg	1.15 (1.12-1.18)	1.12 (1.10-1.15)	1.08 (1.05-1.11)	0.014
Diabetes Mellitus	2.48 (2.18-2.83)	1.82 (1.63-2.02)	1.67 (1.46-1.92)	<0.001
Low-Density Lipoprotein Cholesterol per 10 mg/dL	1.09 (1.08-1.10)	1.08 (1.07-1.09)	1.07 (1.06-1.08)	0.040
Cigarette Smoking	1.78 (1.64-1.92)	1.86 (1.72-2.02)	1.52 (1.34-1.71)	0.012
Physical Inactivity	1.04 (0.96-1.12)	1.02 (0.94-1.10)	1.12 (1.01-1.26)	0.40
Angina Pectoris				
Number of Events	25,484	20,729	10,234	
Incidence Rate (per 10,000 person-year)	41.0 (40.5-41.5)	90.9 (89.7-92.2)	134.7 (132.2-137.4)	
Age	1.06 (1.06-1.06)	1.04 (1.04-1.05)	1.06 (1.05-1.06)	---------
Men	1.06 (1.03-1.09)	1.10 (1.06-1.13)	1.15 (1.10-1.20)	---------
Body Mass Index per 1 kg/m^2	1.03 (1.03-1.03)	1.04 (1.03-1.04)	1.04 (1.03-1.04)	0.023

Systolic Blood Pressure per 10 mmHg	1.12 (1.11-1.13)	1.08 (1.07-1.09)	1.04 (1.03-1.05)	<0.001
Diabetes Mellitus	1.70 (1.61-1.80)	1.44 (1.38-1.50)	1.27 (1.20-1.34)	<0.001
Low-Density Lipoprotein Cholesterol per 10 mg/dL	1.03 (1.02-1.03)	1.02 (1.01-1.02)	1.01 (1.00-1.01)	<0.001
Cigarette Smoking	1.01 (0.99-1.04)	1.06 (1.03-1.10)	1.05 (1.00-1.10)	0.011
Physical Inactivity	1.06 (1.03-1.08)	1.04 (1.01-1.07)	1.10 (1.06-1.14)	0.080

Stroke

Number of Events	10,385	10,877	6,817	
Incidence Rate (per 10,000 person-year)	16.6 (16.3-16.9)	47.2 (46.3-48.1)	88.9 (86.8-91.0)	
Age	1.09 (1.09-1.10)	1.06 (1.06-1.07)	1.08 (1.07-1.09)	---------
Men	0.89 (0.85-0.93)	1.06 (1.02-1.11)	1.06 (1.01-1.12)	---------
Body Mass Index per 1 kg/m^2	1.02 (1.01-1.02)	1.01 (1.00-1.01)	1.00 (0.99-1.01)	0.007
Systolic Blood Pressure per 10 mmHg	1.23 (1.21-1.25)	1.16 (1.14-1.17)	1.10 (1.09-1.12)	<0.001
Diabetes Mellitus	1.41 (1.29-1.54)	1.37 (1.28-1.45)	1.22 (1.14-1.30)	0.015
Low-Density Lipoprotein Cholesterol per 10 mg/dL	1.01 (1.00-1.01)	1.01 (1.00-1.01)	1.00 (1.00-1.01)	0.80
Cigarette Smoking	1.21 (1.15-1.26)	1.16 (1.11-1.21)	1.24 (1.17-1.31)	0.055
Physical Inactivity	1.05 (1.01-1.09)	1.07 (1.03-1.11)	1.04 (0.99-1.09)	0.65

Heart Failure

Number of Events	24,318	20,422	11,629	
Incidence Rate (per 10,000 person-year)	39.1 (38.6-39.6)	89.4 (88.1-90.6)	153.2 (150.5-156.0)	
Age	1.05 (1.05-1.06)	1.05 (1.05-1.06)	1.07 (1.06-1.07)	---------
Men	0.90 (0.88-0.93)	1.18 (1.14-1.22)	1.21 (1.16-1.26)	---------
Body Mass Index per 1 kg/m^2	1.04 (1.04-1.05)	1.05 (1.04-1.05)	1.04 (1.04-1.05)	0.006

Systolic Blood Pressure per 10 mmHg	1.21 (1.20-1.22)	1.13 (1.13-1.14)	1.08 (1.06-1.09)	<0.001
Diabetes Mellitus	1.63 (1.55-1.72)	1.36 (1.30-1.42)	1.14 (1.08-1.20)	<0.001
Low-Density Lipoprotein Cholesterol per 10 mg/dL	1.01 (1.00-1.01)	1.00 (0.99-1.00)	0.98 (0.97-0.98)	<0.001
Cigarette Smoking	1.06 (1.03-1.09)	1.06 (1.03-1.10)	1.11 (1.06-1.16)	<0.001
Physical Inactivity	1.01 (0.98-1.03)	1.03 (1.01-1.06)	1.09 (1.05-1.13)	0.026

Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years. We performed the multivariable Cox regression analyses including age, sex, body mass index, systolic blood pressure, diabetes mellitus, low-density lipoprotein cholesterol, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.

Table S6. Cause-Specific Hazard Ratio to Account for the Competing Risk of Death

	20-49 Years	50-59 Years	60-75 Years	P for interaction
	(n=2,008,559)	(n=712,273)	(n=307,007)	
Myocardial Infarction				
Number of Events	2,573	2,473	1,269	
Incidence Rate (per 10,000 person-year)	4.1 (3.9-4.3)	10.6 (10.2-11.1)	16.3 (15.4-17.2)	
Age	1.07 (1.06-1.07)	1.05 (1.03-1.06)	1.06 (1.05-1.08)	---------
Men	1.64 (1.48-1.83)	2.27 (2.02-2.55)	2.52 (2.16-2.94)	---------
Obesity	1.44 (1.32-1.58)	1.44 (1.32-1.57)	1.02 (0.90-1.16)	<0.001
Hypertension	1.98 (1.81-2.17)	1.54 (1.42-1.68)	1.36 (1.21-1.53)	<0.001
Diabetes Mellitus	2.27 (2.00-2.59)	1.59 (1.43-1.78)	1.55 (1.34-1.78)	<0.001
Dyslipidemia	1.68 (1.54-1.83)	1.77 (1.62-1.94)	1.53 (1.35-1.73)	0.12
Cigarette Smoking	1.72 (1.58-1.86)	1.80 (1.65-1.95)	1.47 (1.30-1.67)	0.03
Physical Inactivity	1.04 (0.96-1.12)	1.02 (0.94-1.11)	1.12 (1.00-1.25)	0.47
Angina Pectoris				
Number of Events	25,484	20,729	10,234	
Incidence Rate (per 10,000 person-year)	41.0 (40.5-41.5)	90.9 (89.7-92.2)	134.7 (132.2-137.4)	
Age	1.06 (1.05-1.06)	1.03 (1.03-1.04)	1.05 (1.05-1.06)	---------
Men	1.10 (1.07-1.13)	1.09 (1.06-1.12)	1.15 (1.10-1.20)	---------
Obesity	1.22 (1.19-1.26)	1.17 (1.13-1.21)	1.16 (1.11-1.21)	0.11
Hypertension	1.81 (1.76-1.87)	1.53 (1.48-1.57)	1.37 (1.32-1.43)	<0.001

Diabetes Mellitus	1.60 (1.52-1.69)	1.36 (1.30-1.42)	1.22 (1.16-1.29)	<0.001
Dyslipidemia	1.24 (1.21-1.27)	1.23 (1.20-1.27)	1.17 (1.12-1.22)	0.035
Cigarette Smoking	1.00 (0.98-1.03)	1.05 (1.02-1.08)	1.04 (0.99-1.09)	0.061
Physical Inactivity	1.05 (1.03-1.08)	1.03 (1.01-1.06)	1.10 (1.05-1.14)	0.066
Stroke				
Number of Events	10,385	10,877	6,817	
Incidence Rate (per 10,000 person-year)	16.6 (16.3-16.9)	47.2 (46.3-48.1)	88.9 (86.8-91.0)	
Age	1.09 (1.08-1.09)	1.06 (1.05-1.07)	1.08 (1.07-1.08)	---------
Men	0.93 (0.89-0.97)	1.05 (1.01-1.10)	1.04 (0.99-1.10)	---------
Obesity	1.15 (1.10-1.20)	1.03 (0.98-1.07)	1.01 (0.95-1.07)	0.002
Hypertension	2.30 (2.20-2.41)	1.72 (1.65-1.79)	1.49 (1.41-1.56)	<0.001
Diabetes Mellitus	1.32 (1.21-1.44)	1.29 (1.21-1.37)	1.16 (1.08-1.24)	0.036
Dyslipidemia	1.12 (1.07-1.17)	1.12 (1.08-1.17)	1.07 (1.01-1.12)	0.29
Cigarette Smoking	1.19 (1.14-1.25)	1.15 (1.10-1.20)	1.23 (1.16-1.31)	0.11
Physical Inactivity	1.04 (1.00-1.08)	1.06 (1.02-1.10)	1.04 (0.99-1.09)	0.66
Heart Failure				
Number of Events	24,318	20,422	11,629	
Incidence Rate (per 10,000 person-year)	39.1 (38.6-39.6)	89.4 (88.1-90.6)	153.2 (150.5-156.0)	
Age	1.05 (1.05-1.05)	1.05 (1.04-1.05)	1.06 (1.06-1.07)	---------
Men	0.94 (0.91-0.97)	1.18 (1.15-1.22)	1.21 (1.16-1.26)	---------
Obesity	1.35 (1.31-1.39)	1.25 (1.21-1.29)	1.22 (1.17-1.27)	0.002
Hypertension	2.45 (2.38-2.53)	1.88 (1.82-1.93)	1.62 (1.56-1.69)	<0.001

Diabetes Mellitus	1.53 (1.45-1.62)	1.31 (1.25-1.36)	1.12 (1.06-1.18)	<0.001
Dyslipidemia	1.17 (1.13-1.20)	1.10 (1.07-1.14)	1.00 (0.97-1.04)	<0.001
Cigarette Smoking	1.05 (1.02-1.08)	1.06 (1.02-1.09)	1.11 (1.06-1.16)	<0.001
Physical Inactivity	1.00 (0.98-1.03)	1.03 (1.00-1.06)	1.09 (1.05-1.13)	0.012

Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.

Table S7. Age Stratified Associations of Risk Factors with Incidence of Cardiovascular Disease after Adjustment of the Year of the Initial Health Check-up

	20-49 Years (n=2,008,559)	50-59 Years (n=712,273)	60-75 Years (n=307,007)	P for interaction
Myocardial Infarction				
Number of Events	2,573	2,473	1,269	
Incidence Rate (per 10,000 person-year)	4.1 (3.9-4.3)	10.6 (10.2-11.1)	16.3 (15.4-17.2)	
Age	1.07 (1.06-1.07)	1.05 (1.03-1.06)	1.06 (1.05-1.08)	---------
Men	1.64 (1.47-1.82)	2.30 (2.05-2.59)	2.59 (2.22-3.01)	---------
Obesity	1.47 (1.35-1.61)	1.43 (1.31-1.56)	1.03 (0.91-1.17)	<0.001
Hypertension	1.96 (1.79-2.15)	1.55 (1.43-1.68)	1.40 (1.25-1.57)	<0.001
Diabetes Mellitus	2.30 (2.02-2.61)	1.65 (1.48-1.83)	1.55 (1.35-1.78)	<0.001
Dyslipidemia	1.68 (1.54-1.83)	1.76 (1.61-1.92)	1.52 (1.35-1.72)	0.1221
Cigarette Smoking	1.73 (1.60-1.88)	1.81 (1.67-1.96)	1.48 (1.31-1.67)	0.026
Physical Inactivity	1.03 (0.96-1.12)	1.01 (0.93-1.10)	1.12 (1.00-1.25)	0.3736
Angina Pectoris				
Number of Events	25,484	20,729	10,234	
Incidence Rate (per 10,000 person-year)	41.0 (40.5-41.5)	90.9 (89.7-92.2)	134.7 (132.2-137.4)	
Age	1.05 (1.05-1.06)	1.04 (1.03-1.04)	1.05 (1.05-1.06)	---------
Men	1.10 (1.07-1.13)	1.09 (1.06-1.12)	1.15 (1.10-1.21)	---------
Obesity	1.22 (1.19-1.26)	1.17 (1.14-1.21)	1.16 (1.11-1.22)	0.1061
Hypertension	1.82 (1.76-1.87)	1.53 (1.48-1.57)	1.37 (1.32-1.43)	<0.001
Diabetes Mellitus	1.60 (1.52-1.69)	1.36 (1.31-1.43)	1.22 (1.15-1.29)	<0.001

Dyslipidemia	1.24 (1.21-1.27)	1.23 (1.20-1.27)	1.17 (1.12-1.22)	0.0244
Cigarette Smoking	1.00 (0.98-1.03)	1.05 (1.02-1.09)	1.05 (1.00-1.10)	0.0342
Physical Inactivity	1.05 (1.02-1.07)	1.03 (1.01-1.06)	1.10 (1.06-1.14)	0.043

Stroke

Number of Events	10,385	10,877	6,817	
Incidence Rate (per 10,000 person-year)	16.6 (16.3-16.9)	47.2 (46.3-48.1)	88.9 (86.8-91.0)	
Age	1.09 (1.08-1.09)	1.06 (1.05-1.07)	1.08 (1.07-1.09)	---------
Men	0.93 (0.89-0.97)	1.05 (1.01-1.10)	1.04 (0.98-1.09)	---------
Obesity	1.15 (1.10-1.21)	1.03 (0.98-1.07)	1.02 (0.96-1.08)	0.0016
Hypertension	2.33 (2.23-2.45)	1.75 (1.68-1.82)	1.49 (1.42-1.57)	<0.001
Diabetes Mellitus	1.33 (1.22-1.45)	1.29 (1.22-1.38)	1.17 (1.09-1.25)	0.0437
Dyslipidemia	1.11 (1.07-1.16)	1.11 (1.07-1.16)	1.05 (1.00-1.11)	0.1705
Cigarette Smoking	1.20 (1.15-1.26)	1.15 (1.11-1.20)	1.25 (1.18-1.32)	0.0762
Physical Inactivity	1.04 (1.00-1.08)	1.06 (1.02-1.10)	1.04 (0.99-1.09)	0.7496

Heart Failure

Number of Events	24,318	20,422	11,629	
Incidence Rate (per 10,000 person-year)	39.1 (38.6-39.6)	89.4 (88.1-90.6)	153.2 (150.5-156.0)	
Age	1.05 (1.05-1.05)	1.05 (1.04-1.05)	1.07 (1.06-1.07)	---------
Men	0.94 (0.92-0.97)	1.19 (1.16-1.23)	1.23 (1.18-1.29)	---------
Obesity	1.35 (1.31-1.39)	1.24 (1.21-1.28)	1.22 (1.18-1.28)	0.0036
Hypertension	2.45 (2.38-2.53)	1.87 (1.82-1.92)	1.61 (1.55-1.68)	<0.001
Diabetes Mellitus	1.55 (1.46-1.63)	1.32 (1.26-1.38)	1.13 (1.07-1.19)	<0.001
Dyslipidemia	1.17 (1.13-1.20)	1.10 (1.07-1.13)	1.00 (0.96-1.04)	<0.001

Cigarette Smoking	1.06 (1.03-1.09)	1.07 (1.03-1.10)	1.11 (1.06-1.16)	<0.001
Physical Inactivity	1.01 (0.98-1.03)	1.03 (1.00-1.06)	1.08 (1.04-1.12)	0.0429

Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, physical inactivity, and the year of the initial health check-up of each participant. Hazard ratios (95% confidence interval) are presented.

Table S8. Age Stratified Associations of Risk Factors with Incidence of Cardiovascular Disease (Stratified by Tertile)

	1st (20-40 yeas) (n=1,062,801)	2nd (41-50 years) (n=1,038,138)	3rd (51-75 years) (n=926,900)	P for interaction
Myocardial Infarction				
Number of Events	675	2,176	3,464	
Incidence Rate (per 10,000 person-year)	2.3 (2.1-2.5)	5.9 (5.7-6.2)	12.5 (12.0-12.9)	
Age	1.06 (1.05-1.08)	1.06 (1.05-1.08)	1.05 (1.04-1.06)	---------
Men	1.43 (1.18-1.73)	1.75 (1.55-1.97)	2.46 (2.23-2.71)	---------
Obesity	1.46 (1.23-1.74)	1.51 (1.37-1.65)	1.26 (1.17-1.36)	0.0316
Hypertension	1.77 (1.43-2.19)	2.01 (1.83-2.21)	1.46 (1.36-1.57)	<0.001
Diabetes Mellitus	2.18 (1.53-3.09)	2.09 (1.83-2.38)	1.64 (1.50-1.79)	0.0068
Dyslipidemia	1.55 (1.31-1.84)	1.74 (1.58-1.92)	1.67 (1.55-1.80)	0.3321
Cigarette Smoking	1.58 (1.34-1.85)	1.82 (1.66-1.98)	1.68 (1.56-1.80)	0.0975
Physical Inactivity	1.11 (0.95-1.29)	0.99 (0.91-1.08)	1.05 (0.98-1.13)	0.3168
Angina Pectoris				
Number of Events	7,817	20,026	28,604	
Incidence Rate (per 10,000 person-year)	27.0 (26.4-27.6)	55.1 (54.4-55.9)	105.1 (103.9-106.3)	
Age	1.05 (1.05-1.06)	1.05 (1.05-1.06)	1.04 (1.04-1.04)	---------
Men	1.05 (1.00-1.10)	1.12 (1.08-1.15)	1.12 (1.09-1.15)	---------
Obesity	1.22 (1.15-1.29)	1.21 (1.17-1.25)	1.17 (1.14-1.20)	0.4613
Hypertension	1.81 (1.69-1.94)	1.79 (1.73-1.85)	1.46 (1.42-1.50)	<0.001
Diabetes Mellitus	1.59 (1.39-1.83)	1.56 (1.47-1.64)	1.30 (1.26-1.35)	<0.001
Dyslipidemia	1.24 (1.18-1.31)	1.24 (1.21-1.28)	1.21 (1.18-1.24)	0.1142

Cigarette Smoking	0.94 (0.90-0.99)	1.04 (1.01-1.07)	1.05 (1.02-1.07)	<0.001
Physical Inactivity	1.06 (1.01-1.11)	1.05 (1.02-1.08)	1.05 (1.03-1.07)	0.819

Stroke

Number of Events	2,546	9,010	16,523	
Incidence Rate (per 10,000 person-year)	8.8 (8.4-9.1)	24.6 (24.1-25.1)	60.0 (59.1-61.0)	
Age	1.08 (1.07-1.09)	1.08 (1.08-1.09)	1.07 (1.06-1.07)	---------
Men	0.90 (0.82-0.98)	0.96 (0.91-1.00)	1.06 (1.02-1.09)	---------
Obesity	1.11 (1.00-1.22)	1.14 (1.08-1.19)	1.02 (0.99-1.06)	0.0092
Hypertension	2.90 (2.61-3.23)	2.18 (2.08-2.29)	1.62 (1.57-1.67)	<0.001
Diabetes Mellitus	1.35 (1.06-1.71)	1.31 (1.21-1.43)	1.23 (1.18-1.29)	0.3531
Dyslipidemia	1.12 (1.02-1.23)	1.11 (1.06-1.16)	1.09 (1.06-1.13)	0.8713
Cigarette Smoking	1.23 (1.13-1.34)	1.18 (1.13-1.24)	1.19 (1.15-1.24)	0.4065
Physical Inactivity	1.07 (0.99-1.16)	1.05 (1.01-1.10)	1.04 (1.01-1.08)	0.7357

Heart Failure

Number of Events	7,489	19,034	29,846	
Incidence Rate (per 10,000 person-year)	25.8 (25.3-26.4)	52.3 (51.5-53.0)	109.5 (108.2-110.7)	
Age	1.05 (1.04-1.05)	1.05 (1.05-1.06)	1.05 (1.05-1.06)	---------
Men	0.91 (0.87-0.96)	0.97 (0.94-1.00)	1.21 (1.18-1.25)	---------
Obesity	1.39 (1.32-1.47)	1.32 (1.27-1.36)	1.25 (1.22-1.28)	0.017
Hypertension	2.71 (2.55-2.89)	2.36 (2.28-2.44)	1.75 (1.71-1.79)	<0.001
Diabetes Mellitus	1.59 (1.39-1.81)	1.51 (1.43-1.59)	1.23 (1.19-1.27)	<0.001
Dyslipidemia	1.12 (1.06-1.18)	1.18 (1.14-1.22)	1.06 (1.03-1.08)	<0.001
Cigarette Smoking	0.98 (0.93-1.03)	1.09 (1.06-1.13)	1.08 (1.05-1.11)	<0.001

Physical Inactivity	1.02 (0.97-1.07)	1.00 (0.97-1.03)	1.05 (1.03-1.07)	0.0326

Participants were categorized into three groups aged 20-40 years, 41-50 years, and 51-75 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.

Table S9. Age Stratified Associations of Risk Factors with Incidence of Cardiovascular Disease after Excluding People Aged > 60 Years

	20-44 Years (n=1,505,097)	45-54 Years (n=911,688)	55-60 Years (n=354,498)	P for interaction
Myocardial Infarction				
Number of Events	1,406	2,476	1,348	
Incidence Rate (per 10,000 person-year)	3.1 (3.0-3.3)	7.8 (7.5-8.2)	12.6 (12.0-13.3)	
Age	1.07 (1.05-1.08)	1.05 (1.04-1.07)	1.02 (0.99-1.06)	---------
Men	1.49 (1.30-1.71)	1.99 (1.77-2.23)	2.55 (2.17-2.98)	---------
Obesity	1.44 (1.28-1.63)	1.52 (1.40-1.66)	1.27 (1.13-1.43)	0.1937
Hypertension	2.01 (1.76-2.29)	1.86 (1.71-2.02)	1.30 (1.16-1.45)	<0.001
Diabetes Mellitus	2.71 (2.24-3.28)	1.70 (1.51-1.91)	1.72 (1.50-1.97)	<0.001
Dyslipidemia	1.63 (1.45-1.83)	1.73 (1.58-1.89)	1.77 (1.57-2.00)	0.3116
Cigarette Smoking	1.75 (1.57-1.96)	1.86 (1.71-2.02)	1.69 (1.51-1.89)	0.168
Physical Inactivity	1.09 (0.98-1.22)	1.00 (0.93-1.09)	1.01 (0.91-1.13)	0.3422
Angina Pectoris				
Number of Events	14,938	21,932	10,907	
Incidence Rate (per 10,000 person-year)	33.3 (32.8-33.9)	70.7 (69.8-71.6)	104.5 (102.5-106.4)	
Age	1.05 (1.05-1.06)	1.05 (1.04-1.05)	1.02 (1.01-1.03)	---------
Men	1.09 (1.05-1.13)	1.11 (1.08-1.14)	1.08 (1.03-1.13)	---------
Obesity	1.21 (1.16-1.26)	1.21 (1.17-1.24)	1.16 (1.11-1.21)	0.149
Hypertension	1.89 (1.80-1.97)	1.65 (1.60-1.70)	1.47 (1.41-1.53)	<0.001
Diabetes Mellitus	1.68 (1.55-1.82)	1.44 (1.37-1.51)	1.34 (1.26-1.41)	<0.001

Dyslipidemia	1.24 (1.20-1.29)	1.25 (1.21-1.28)	1.20 (1.15-1.25)	0.4104
Cigarette Smoking	0.98 (0.94-1.02)	1.05 (1.02-1.08)	1.05 (1.01-1.10)	0.0033
Physical Inactivity	1.05 (1.02-1.09)	1.04 (1.01-1.07)	1.06 (1.02-1.10)	0.8284

Stroke

Number of Events	5,442	10,518	6,267	
Incidence Rate (per 10,000 person-year)	12.1 (11.8-12.4)	33.5 (32.9-34.2)	59.4 (58.0-60.9)	
Age	1.09 (1.08-1.09)	1.06 (1.05-1.06)	1.05 (1.03-1.06)	---------
Men	0.91 (0.85-0.96)	0.99 (0.94-1.03)	1.09 (1.03-1.15)	---------
Obesity	1.16 (1.09-1.24)	1.07 (1.02-1.12)	1.01 (0.96-1.07)	0.0554
Hypertension	2.53 (2.36-2.70)	2.00 (1.92-2.08)	1.65 (1.56-1.73)	<0.001
Diabetes Mellitus	1.41 (1.23-1.62)	1.33 (1.23-1.42)	1.26 (1.16-1.36)	0.3355
Dyslipidemia	1.17 (1.10-1.24)	1.10 (1.05-1.14)	1.10 (1.04-1.15)	0.2133
Cigarette Smoking	1.22 (1.15-1.30)	1.16 (1.11-1.21)	1.20 (1.13-1.27)	0.5945
Physical Inactivity	1.05 (0.99-1.11)	1.05 (1.01-1.09)	1.08 (1.02-1.13)	0.8687

Heart Failure

Number of Events	14,199	21,066	11,209	
Incidence Rate (per 10,000 person-year)	31.6 (31.1-32.2)	67.7 (66.8-68.6)	107.2 (105.2-109.2)	
Age	1.05 (1.04-1.05)	1.05 (1.04-1.05)	1.05 (1.04-1.06)	---------
Men	0.92 (0.89-0.95)	1.06 (1.02-1.09)	1.25 (1.20-1.31)	---------
Obesity	1.38 (1.33-1.44)	1.28 (1.24-1.32)	1.23 (1.18-1.28)	0.0118
Hypertension	2.64 (2.53-2.75)	2.12 (2.06-2.19)	1.74 (1.67-1.81)	<0.001
Diabetes Mellitus	1.67 (1.55-1.81)	1.37 (1.31-1.44)	1.30 (1.23-1.37)	<0.001
Dyslipidemia	1.15 (1.10-1.19)	1.15 (1.11-1.18)	1.08 (1.03-1.12)	0.042

Cigarette Smoking	1.03 (0.99-1.07)	1.08 (1.05-1.12)	1.06 (1.02-1.11)	<0.001
Physical Inactivity	1.01 (0.98-1.05)	1.01 (0.98-1.04)	1.04 (1.00-1.08)	0.3364

Participants were categorized into three groups aged 20-44 years, 45-54 years, and 55-60 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.

Table S10. Age Stratified Associations of Risk Factors with All-Cause Death

	20-49 Years (n=2,008,559)	50-59 Years (n=712,273)	60-75 Years (n=307,007)	P for interaction
All-Cause Death				
Number of Events	1,492	1,621	1,205	
Incidence Rate (per 10,000 person-year)	2.4 (2.3-2.5)	7.0 (6.6-7.3)	15.4 (14.6-16.3)	
Age	1.07 (1.06-1.08)	1.09 (1.07-1.11)	1.15 (1.13-1.17)	---------
Men	1.38 (1.22-1.57)	1.73 (1.52-1.97)	2.32 (1.99-2.71)	---------
Obesity	1.06 (0.94-1.20)	0.91 (0.82-1.02)	1.01 (0.89-1.16)	0.2406
Hypertension	2.03 (1.79-2.30)	1.58 (1.42-1.75)	1.32 (1.17-1.48)	<0.001
Diabetes Mellitus	1.78 (1.45-2.19)	1.78 (1.55-2.05)	1.55 (1.34-1.79)	0.6042
Dyslipidemia	1.08 (0.97-1.21)	0.91 (0.83-1.01)	0.87 (0.77-0.98)	0.0712
Cigarette Smoking	1.70 (1.53-1.90)	1.59 (1.44-1.77)	1.76 (1.55-1.99)	0.3601
Physical Inactivity	1.00 (0.90-1.10)	1.14 (1.03-1.26)	1.14 (1.01-1.28)	0.1999

Participants were categorized into three groups aged 20-49 years, 50-59 years, and 60-75 years. We performed the multivariable Cox regression analyses including age, sex, obesity, hypertension, diabetes mellitus, dyslipidemia, cigarette smoking, and physical inactivity. Hazard ratios (95% confidence interval) are presented.