

Effects of antioxidant vitamins, curry consumption and heavy metal levels on the metabolic syndrome with comorbidities: a Korean community-based cross-sectional study

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Supplementary material

Table S1. Adjusted ORs for serum lead (Pb).

Metabolic Syndrome	Odds ratio	95% Confident Interval		p-value
Serum Pb ($\mu\text{g/L}$)	1.144	1.026	1.276	0.015
Monthly household income ($<2,000$)	1 (refer)	.	.	.
$\geq 2,000$ and $< 4,000$	0.976	0.734	1.299	0.869
$\geq 4,000$ and $< 6,000$	0.854	0.619	1.179	0.337
$\geq 6,000$	0.727	0.513	1.030	0.073
Residential areas (<i>urban</i>)	1	.	.	.
<i>Rural</i>	1.171	0.890	1.541	0.258
Energy (<i>Kcal</i>)	1.000	1.000	1.000	0.099
Age group (<i>29 years</i>)	1	.	.	.
<i>30-39</i>	2.233	1.328	3.753	0.002
<i>40-49</i>	5.697	3.494	9.289	<0.001
<i>50-59</i>	6.504	3.897	10.854	<0.001
<i>>60</i>	7.738	4.389	13.643	<0.001
Occupation	1	.	.	.
(<i>Managers, professional</i>)				
<i>Office worker, clerical workers</i>	0.965	0.619	1.504	0.876
<i>Service workers, sales workers</i>	0.974	0.649	1.462	0.900
<i>Agriculture, forestry and fishing workers</i>	0.761	0.424	1.366	0.361
<i>Craft, plant and machine operators and assemblers</i>	0.585	0.364	0.940	0.027
<i>Elementary occupations</i>	0.791	.49	1.275	0.336
<i>Unemployed</i>	0.906	.626	1.311	0.599
Sex (<i>male</i>)	1	.	.	.
<i>Female</i>	3.980	2.897	5.467	<0.001
Family history of CVDs (<i>no</i>)	1	.	.	.
<i>Yes</i>	1.251	1.008	1.552	0.042
Family history of type 2 diabetes (<i>no</i>)	1	.	.	.
<i>Yes</i>	1.146	0.979	1.342	0.090
Family history of hyperlipidemia (<i>no</i>)	1	.	.	.
<i>Yes</i>	1.130	0.755	1.690	0.553

BMI group (<18.5)	1	.	.	.
≥ 18.5 and < 25	4.488	1.227	16.418	0.023
≥ 25 and < 30	22.784	6.206	83.65	<0.001
≥ 30	56.738	14.795	217.585	<0.001
Smoking status (non/ex-smoker)	1	.	.	.
Current smoker	1.194	0.875	1.630	0.264
High risk drinking (no)	1	.	.	.
Yes	0.951	0.689	1.313	0.760
Physical activity (Not regular)	1	.	.	.
Regular	0.857	0.666	1.103	0.232
Education level	1	.	.	.
(≤ Middle school)				
High school	0.857	0.666	1.103	0.232
≥ College	0.857	0.666	1.103	0.232
Hypertension (no)	1	.	.	.
yes	3.646	2.724	4.88	<0.001
Dyslipidemia (no)	1	.	.	.
Yes	2.288	1.695	3.088	<0.001
Diabetes (no)	1	.	.	.
Yes	3.131	2.031	4.826	<0.001
Stroke (no)	1	.	.	.
Yes	2.091	0.822	5.318	0.122
MI or angina (no)	1	.	.	.
Yes	2.588	0.067	100.67	0.611
MI (no)¶	1	.	.	.
Yes	0.398	0.017	9.467	0.569
Angina (no)	1	.	.	.
Yes	0.478	0.037	6.205	0.572
Arthritis (no)	1	.	.	.
Yes	0.478	0.037	6.205	0.572
Osteoarthritis (no)	1	.	.	.
yes	1.290	0.102	16.314	0.844
Rheumatoid arthritis (no)	1	.	.	.
Yes	2.476	0.211	29.049	0.471
Kidney failure (no)	1	.	.	.
Yes	1.378	0.247	7.697	0.715
Depression (no)	1	.	.	.
Yes	1.507	0.951	2.388	0.081

Thyroid disease (<i>no</i>)	1	.	.	.
<i>Yes</i>	0.936	0.530	1.655	0.821
Asthma (<i>no</i>)	1	.	.	.
<i>Yes</i>	0.923	0.473	1.804	0.816
Green vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	1.053	0.829	1.337	0.674
White vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	1.009	0.777	1.310	0.947
Fruit consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.905	0.721	1.137	0.390
Mean dependent var	0.169	SD dependent var	0.375	
Pseudo r-squared	0.327	Number of obs	3948	
Chi-square	1176.431	Prob > chi2	0.000	
Akaike crit. (AIC)	2508.388	Bayesian crit. (BIC)	2797.313	

MI: myocardial infarction

Table S2. Adjusted ORs for serum mercury (Hg).

Metabolic Syndrome	Odds ratio	95% Confident Interval		p-value
Serum Hg ($\mu\text{g/L}$)	1.033	1.021	1.064	0.031
Monthly household income (<2,000)	1 (Ref)	.	.	.
$\geq 2,000$ and < 4,000	0.949	0.714	1.262	0.718
$\geq 4,000$ and < 6,000	0.827	0.600	1.141	0.248
$\geq 6,000$	0.698	0.493	0.988	0.043
Residential areas (urban)	1	.	.	.
<i>Rural</i>	1.182	0.899	1.555	0.232
Energy (Kcal)	1	1	1	0.944
Age group (29 years)	1	.	.	.
30-39	2.253	1.34	3.786	0.002
40-49	5.839	3.586	9.507	<0.001
50-59	6.798	4.090	11.297	<0.001
>60	8.042	4.576	14.133	<0.001
Occupation	1	.	.	.
<i>(Managers, professional)</i>				
<i>Office worker, clerical workers</i>	0.967	0.620	1.506	0.880
<i>Service workers, sales workers</i>	0.996	0.663	1.495	0.984
<i>Agriculture, forestry and fishing workers</i>	0.756	0.421	1.358	0.349
<i>Craft, plant and machine operators and assemblers</i>	0.616	0.384	0.989	0.045
<i>Elementary occupations</i>	0.798	0.494	1.288	0.355
<i>Unemployed</i>	0.919	0.634	1.332	0.656
Sex (male)	1	.	.	.
<i>Female</i>	3.911	2.851	5.364	<0.001
Family history of CVDs (no)	1	.	.	.
<i>Yes</i>	1.274	1.027	1.581	0.028
Family history of type 2 diabetes (no)	1	.	.	.
<i>Yes</i>	1.007	0.792	1.281	0.954
Family history of hyperlipidemia (no)	1	.	.	.
<i>Yes</i>	1.143	0.764	1.711	0.515
BMI group (<18.5)	1	.	.	.
≥ 18.5 and < 25	4.056	1.163	14.148	0.028
≥ 25 and < 30	20.48	5.846	71.74	<0.001

≥ 30	48.913	13.367	178.99	<0.001
Smoking status (<i>non/ex-smoker</i>)	1	.	.	.
Current smoker	1.237	0.907	1.687	0.178
High risk drinking (<i>no</i>)	1	.	.	.
Yes	0.965	0.699	1.331	0.826
Physical activity (<i>Not regular</i>)	1	.	.	.
Regular	0.859	0.667	1.105	0.235
Education level	1	.	.	.
(\leq Middle school)				
High school	0.972	0.726	1.302	0.851
\geq College	0.513	0.358	0.735	<0.001
Hypertension (<i>no</i>)	1	.	.	.
yes	3.64	2.719	4.872	<0.001
Dyslipidemia (<i>no</i>)	1	.	.	.
Yes	2.262	1.676	3.053	<0.001
Diabetes (<i>no</i>)	1	.	.	.
Yes	3.079	2.001	4.737	<0.001
Stroke (<i>no</i>)	1	.	.	.
Yes	2.165	0.844	5.554	0.108
MI or angina (<i>no</i>)	1	.	.	.
Yes	2.785	0.072	107.683	0.583
MI (<i>no</i>) [¶]	1	.	.	.
Yes	0.433	0.019	10.067	0.602
Angina (<i>no</i>)	1	.	.	.
Yes	0.478	0.015	14.867	0.674
Arthritis (<i>no</i>)	1	.	.	.
Yes	0.556	0.046	6.746	0.645
Osteoarthritis (<i>no</i>)	1	.	.	.
yes	1.110	0.094	13.122	0.934
Rheumatoid arthritis (<i>no</i>)	1	.	.	.
Yes	2.146	0.196	23.506	0.532
Kidney failure (<i>no</i>)	1	.	.	.
Yes	1.326	0.236	7.468	0.749
Depression (<i>no</i>)	1	.	.	.
Yes	1.480	0.935	2.342	0.094
Thyroid disease (<i>no</i>)	1	.	.	.
Yes	0.919	0.521	1.622	0.771
Asthma (<i>no</i>)	1	.	.	.
Yes	0.930	0.478	1.808	0.830

Green vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	1.055	0.831	1.340	0.661
White vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.995	0.766	1.292	0.970
Fruit consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.902	0.718	1.133	0.375
Mean dependent var	0.169	SD dependent var	0.375	
Pseudo r-squared	0.327	Number of obs	3948	
Chi-square	1175.198	Prob > chi2	0.000	
Akaike crit. (AIC)	2509.621	Bayesian crit. (BIC)	2798.545	

MI: myocardial infarction

Table S3. Adjusted ORs for serum c-reactive protein (CRP).

Metabolic Syndrome	Odds ratio	95% Confident Interval		p-value
Serum CRP (mg/L)	1.089	1.036	1.144	0.001
Monthly household income (<2,000)	1	.	.	.
≥ 2,000 and < 4,000	1.041	0.718	1.509	0.833
≥ 4,000 and < 6,000	0.904	0.611	1.338	0.615
≥ 6,000	0.804	0.538	1.202	0.288
Residential areas (urban)	1	.	.	.
<i>Rural</i>	1.019	0.744	1.395	0.906
Energy (Kcal)	1	1	1	0.579
Age group (29 years)	1	.	.	.
30-39	2.36	1.286	4.334	0.006
40-49	4.927	2.739	8.862	<0.001
50-59	5.794	3.165	10.608	<0.001
>60	5.451	2.771	10.723	<0.001
Occupation	1	.	.	.
<i>(Managers, professional)</i>				
<i>Office worker, clerical workers</i>	0.979	0.612	1.566	0.930
<i>Service workers, sales workers</i>	0.878	0.552	1.395	0.582
<i>Agriculture, forestry and fishing workers</i>	0.962	0.443	2.088	0.922
<i>Craft, plant and machine operators and assemblers</i>	0.964	0.575	1.614	0.889
<i>Elementary occupations</i>	0.897	0.512	1.572	0.704
<i>Unemployed</i>	1.024	0.687	1.527	0.906
Sex (male)	1	.	.	.
<i>Female</i>	3.84	2.676	5.511	<0.001
Family history of CVDs (no)	1	.	.	.
<i>Yes</i>	1.287	1.003	1.652	0.048
Family history of type 2 diabetes (no)	1	.	.	.
<i>Yes</i>	1.249	.968	1.610	0.087
Family history of hyperlipidemia (no)	1	.	.	.
<i>Yes</i>	.933	.637	1.368	0.724
BMI group (<18.5)	1	.	.	.
≥ 18.5 and < 25	4.447	0.996	19.86	0.051
≥ 25 and < 30	23.179	5.176	103.808	<0.001
≥ 30	50.156	10.791	233.125	<0.001
Smoking status (non/ex-smoker)	1	.	.	.

<i>Current smoker</i>	1.662	1.170	2.306	0.005
High risk drinking (no)	1	.	.	.
<i>Yes</i>	0.761	0.525	1.103	0.149
Physical activity (Not regular)	1	.	.	.
<i>Regular</i>	0.997	0.755	1.315	0.981
Education level	1	.	.	.
<i>(≤ Middle school)</i>				
<i>High school</i>	1.116	0.778	1.601	0.549
<i>>= College</i>	.683	0.450	1.037	0.073
Hypertension (no)	1	.	.	.
<i>yes</i>	4.477	3.248	6.170	<0.001
Dyslipidemia (no)	1	.	.	.
<i>Yes</i>	2.307	1.67	3.187	<0.001
Diabetes (no)	1	.	.	.
<i>Yes</i>	3.909	2.372	6.441	<0.001
Stroke (no)	1	.	.	.
<i>Yes</i>	1.711	0.569	5.147	0.339
MI or angina (no)	1	.	.	.
<i>Yes</i>	4.891	0.049	486.909	0.499
MI (no)¶	1	.	.	.
<i>Yes</i>	0.036	0.001	1.333	0.071
Angina (no)	1	.	.	.
<i>Yes</i>	0.301	0.004	23.762	0.590
Arthritis (no)	1	.	.	.
<i>Yes</i>	0.071	0.005	1.045	0.054
Osteoarthritis (no)	1	.	.	.
<i>yes</i>	7.810	0.549	111.192	0.129
Rheumatoid arthritis (no)	1	.	.	.
<i>Yes</i>	13.615	1.116	166.046	0.041
Kidney failure (no)	1	.	.	.
<i>Yes</i>	0.022	0.001	0.349	0.007
Depression (no)	1	.	.	.
<i>Yes</i>	1.447	0.843	2.484	0.180
Thyroid disease (no)	1	.	.	.
<i>Yes</i>	1.704	1.005	2.887	0.048
Asthma (no)	1	.	.	.
<i>Yes</i>	1.536	0.723	3.262	0.264
Green vegetable consumption (low)	1	.	.	.
<i>High</i>	1.117	0.851	1.466	0.424

White vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.855	0.632	1.158	0.311
Fruit consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.844	0.647	1.102	0.213
Mean dependent var	0.188	SD dependent var		0.391
Pseudo r-squared	0.328	Number of obs		2888
Chi-square	914.365	Prob > chi2		0.000
Akaike crit. (AIC)	1966.468	Bayesian crit. (BIC)		2241.011

Table S4. Adjusted ORs for vitamin B1 intake.

Metabolic Syndrome	Odds ratio	95% Confident Interval		p-value
Vitamin B1 intake (mg)	0.884	0.792	0.974	0.013
Monthly household income (<2,000)	1	.	.	.
≥ 2,000 and < 4,000	0.900	0.745	1.086	0.271
≥ 4,000 and < 6,000	.847	0.687	1.043	0.118
≥ 6,000	.732	0.583	0.918	0.007
Residential areas (urban)	1	.	.	.
<i>Rural</i>	1.121	.939	1.339	0.207
Energy (Kcal)	1	1	1	0.071
Age group (29 years)	1	.	.	.
30-39	2.430	1.685	3.503	<0.001
40-49	5.029	3.544	7.138	<0.001
50-59	6.687	4.666	9.585	<0.001
>60	7.173	4.835	10.641	<0.001
Occupation	1	.	.	.
<i>(Managers, professional)</i>				
<i>Office worker, clerical workers</i>	1.106	0.829	1.476	0.494
<i>Service workers, sales workers</i>	1.051	0.804	1.374	0.715
<i>Agriculture, forestry and fishing workers</i>	0.905	0.613	1.334	0.613
<i>Craft, plant and machine operators and assemblers</i>	0.896	0.659	1.219	0.486
<i>Elementary occupations</i>	0.776	0.564	1.069	0.121
<i>Unemployed</i>	0.979	0.769	1.246	0.861
Sex (male)	1	.	.	.
<i>Female</i>	3.939	3.202	4.846	<0.001
Family history of CVDs (no)	1	.	.	.
<i>Yes</i>	1.089	.947	1.252	0.232
Family history of type 2 diabetes (no)	1	.	.	.
<i>Yes</i>	1.169	1.002	1.364	0.048
Family history of hyperlipidemia (no)	1	.	.	.
<i>Yes</i>	1.059	0.818	1.371	0.665
BMI group (<18.5)	1	.	.	.
≥ 18.5 and < 25	8.748	2.743	27.896	<0.001
≥ 25 and < 30	43.398	13.587	138.614	<0.001

≥ 30	113.66	34.857	370.624	<0.001
Smoking status (<i>non/ex-smoker</i>)	1	.	.	.
Current smoker	1.282	1.045	1.575	0.017
High risk drinking (<i>no</i>)	1	.	.	.
Yes	0.976	0.792	1.204	0.822
Physical activity (<i>Not regular</i>)	1	.	.	.
Regular	0.905	0.771	1.062	0.221
Education level	1	.	.	.
(\leq Middle school)				
High school	0.939	0.775	1.138	0.523
\geq College	0.615	0.486	0.779	<0.001
Hypertension (<i>no</i>)	1	.	.	.
yes	3.98	3.321	4.770	<0.001
Dyslipidemia (<i>no</i>)	1	.	.	.
Yes	2.388	1.968	2.898	<0.001
Diabetes (<i>no</i>)	1	.	.	.
Yes	3.53	2.677	4.653	<0.001
Stroke (<i>no</i>)	1	.	.	.
Yes	1.019	0.587	1.767	0.947
MI or angina (<i>no</i>)	1	.	.	.
Yes	0.260	0.020	3.333	0.301
MI (<i>no</i>) [¶]	1	.	.	.
Yes	1.693	0.189	15.146	0.638
Angina (<i>no</i>)	1	.	.	.
Yes	4.328	0.371	50.546	0.243
Arthritis (<i>no</i>)	1	.	.	.
Yes	0.119	0.029	.489	0.003
Osteoarthritis (<i>no</i>)	1	.	.	.
yes	6.240	1.548	25.151	0.010
Rheumatoid arthritis (<i>no</i>)	1	.	.	.
Yes	6.403	1.732	23.677	0.005
Kidney failure (<i>no</i>)	1	.	.	.
Yes	0.838	0.353	1.991	0.689
Depression (<i>no</i>)	1	.	.	.
Yes	1.499	1.111	2.022	0.008
Thyroid disease (<i>no</i>)	1	.	.	.
Yes	1.376	1.009	1.878	0.044
Asthma (<i>no</i>)	1	.	.	.
Yes	1.173	0.770	1.788	0.456

Green vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	1.043	0.894	1.217	0.591
White vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.904	0.764	1.070	0.240
Fruit consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.873	0.754	1.010	0.068
Mean dependent var	0.180	SD dependent var	0.384	
Pseudo r-squared	0.324	Number of obs	8944	
Chi-square	2734.303	Prob > chi2	0.000	
Akaike crit. (AIC)	5793.258	Bayesian crit. (BIC)	6119.800	

Table S5. Adjusted ORs for vitamin C intake.

Metabolic Syndrome	Odds ratio	95% Confident Interval		p-value
Vitamin C intake (mg)	0.991	0.982	0.994	0.032
Monthly household income	1	.	.	.
(<i><2,000</i>)				
<i>≥ 2,000 and < 4,000</i>	0.906	0.751	1.094	0.306
<i>≥ 4,000 and < 6,000</i>	.855	.694	1.053	0.140
<i>≥ 6,000</i>	.743	.592	.932	0.010
Residential areas (urban)	1	.	.	.
<i>Rural</i>	1.115	0.934	1.331	0.228
Energy (Kcal)	1	1	1	0.420
Age group (29 years)	1	.	.	.
<i>30-39</i>	2.443	1.694	3.521	<0.001
<i>40-49</i>	5.084	3.582	7.217	<0.001
<i>50-59</i>	6.839	4.768	9.811	<0.001
<i>>60</i>	7.382	4.972	10.96	<0.001
Occupation	1	.	.	.
(<i>Managers, professional</i>)				
<i>Office worker, clerical workers</i>	1.113	0.834	1.486	0.466
<i>Service workers, sales workers</i>	1.048	0.802	1.371	0.730
<i>Agriculture, forestry and fishing workers</i>	0.919	0.623	1.355	0.669
<i>Craft, plant and machine operators and assemblers</i>	0.891	0.655	1.213	0.464
<i>Elementary occupations</i>	.771	0.560	1.062	0.111
<i>Unemployed</i>	0.98	0.770	1.248	0.871
Sex (male)	1	.	.	.
<i>Female</i>	4.017	3.263	4.945	<0.001
Family history of CVDs (no)	1	.	.	.
<i>Yes</i>	1.089	0.947	1.252	0.232
Family history of type 2 diabetes (no)	1	.	.	.
<i>Yes</i>	1.165	0.998	1.359	0.053
Family history of hyperlipidemia (no)	1	.	.	.
<i>Yes</i>	1.068	0.825	1.382	0.619
BMI group (<18.5)	1	.	.	.
<i>≥ 18.5 and < 25</i>	8.813	2.763	28.117	<0.001

≥ 25 and < 30	43.807	13.709	139.985	<0.001
≥ 30	113.145	34.685	369.083	<0.001
Smoking status (<i>non/ex-smoker</i>)	1	.	.	.
Current smoker	1.279	1.042	1.571	0.019
High risk drinking (<i>no</i>)	1	.	.	.
Yes	0.966	0.784	1.191	0.748
Physical activity (<i>Not regular</i>)	1	.	.	.
Regular	0.910	0.775	1.068	0.248
Education level	1	.	.	.
(\leq Middle school)				
High school	0.945	0.780	1.146	0.565
\geq College	0.619	0.488	0.784	<0.001
Hypertension (<i>no</i>)	1	.	.	.
yes	3.97	3.313	4.758	<0.001
Dyslipidemia (<i>no</i>)	1	.	.	.
Yes	2.393	1.972	2.904	<0.001
Diabetes (<i>no</i>)	1	.	.	.
Yes	3.524	2.674	4.645	<0.001
Stroke (<i>no</i>)	1	.	.	.
Yes	1.019	0.587	1.767	0.948
MI or angina (<i>no</i>)	1	.	.	.
Yes	0.264	0.020	3.411	0.308
MI (<i>no</i>) [¶]	1	.	.	.
Yes	1.677	0.187	15.069	0.645
Angina (<i>no</i>)	1	.	.	.
Yes	4.347	0.369	51.17	0.243
Arthritis (<i>no</i>)	1	.	.	.
Yes	0.127	0.031	.518	0.004
Osteoarthritis (<i>no</i>)	1	.	.	.
yes	5.865	1.463	23.519	0.013
Rheumatoid arthritis (<i>no</i>)	1	.	.	.
Yes	6.096	1.655	22.458	0.007
Kidney failure (<i>no</i>)	1	.	.	.
Yes	0.841	0.355	1.995	0.695
Depression (<i>no</i>)	1	.	.	.
Yes	1.505	1.116	2.031	0.007
Thyroid disease (<i>no</i>)	1	.	.	.
Yes	1.395	1.022	1.903	0.036
Asthma (<i>no</i>)	1	.	.	.

<i>Yes</i>	1.167	0.766	1.778	0.472
Green vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	1.043	0.893	1.217	0.596
White vegetable consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.908	0.768	1.075	0.263
Fruit consumption (<i>low</i>)	1	.	.	.
<i>High</i>	0.872	0.753	1.009	0.066
Mean dependent var	0.180	SD dependent var	0.384	
Pseudo r-squared	0.324	Number of obs	8944	
Chi-square	2732.715	Prob > chi2	0.000	
Akaike crit. (AIC)	5794.846	Bayesian crit. (BIC)	6121.388	

Table S6. Adjusted ORs for curry consumption.

Metabolic Syndrome	Odds ratio	95% Confident Interval		p-value
Curry consumption (<i>low</i>)	1 (refer)	.	.	.
<i>High</i>	0.853	0.740	0.983	0.028
Monthly household income (<2,000)	1	.	.	.
$\geq 2,000$ and < 4,000	0.907	0.751	1.095	0.309
$\geq 4,000$ and < 6,000	0.851	0.691	1.049	0.130
$\geq 6,000$	0.733	0.585	0.920	0.007
Residential areas (<i>urban</i>)	1	.	.	.
<i>Rural</i>	1.112	0.932	1.328	0.240
Energy (Kcal)	1.000	1.000	1.000	0.842
Age group (29 years)	1	.	.	.
30-39	2.426	1.684	3.495	<0.001
40-49	4.944	3.489	7.005	<0.001
50-59	6.440	4.500	9.216	<0.001
>60	6.924	4.673	10.261	<0.001
Occupation	1	.	.	.
(Managers, professional)				
Office worker, clerical workers	1.107	0.830	1.477	0.489
Service workers, sales workers	1.047	0.801	1.369	0.737
Agriculture, forestry and fishing workers	0.904	0.613	1.334	0.611
Craft, plant and machine operators and assemblers	0.894	0.657	1.215	0.474
Elementary occupations	0.774	0.562	1.065	0.116
Unemployed	0.974	0.765	1.239	0.828
Sex (<i>male</i>)	1	.	.	.
<i>Female</i>	3.916	3.186	4.813	<0.001
Family history of CVDs (<i>no</i>)	1	.	.	.
<i>Yes</i>	1.086	0.945	1.249	0.246
Family history of type 2 diabetes (<i>no</i>)	1	.	.	.
<i>Yes</i>	1.179	1.011	1.376	0.036
Family history of hyperlipidemia (<i>no</i>)	1	.	.	.
<i>Yes</i>	1.068	0.825	1.382	0.619
BMI group (<18.5)	1	.	.	.
≥ 18.5 and < 25	8.682	2.720	27.711	<0.001
≥ 25 and < 30	43.12	13.488	137.85	<0.001
≥ 30	112.002	34.32	365.517	<0.001

Smoking status (<i>non/ex-smoker</i>)	1	.	.	.
Current smoker	1.308	1.066	1.605	0.010
High risk drinking (<i>no</i>)	1	.	.	.
Yes	0.984	0.798	1.213	0.879
Physical activity (<i>Not regular</i>)	1	.	.	.
Regular	0.899	0.766	1.055	0.192
Education level	1	.	.	.
(\leq Middle school)				
High school	0.930	0.768	1.127	0.460
\geq College	0.619	0.489	0.784	<0.001
Hypertension (<i>no</i>)	1	.	.	.
yes	3.989	3.329	4.780	<0.001
Dyslipidemia (<i>no</i>)	1	.	.	.
Yes	2.382	1.963	2.89	<0.001
Diabetes (<i>no</i>)	1	.	.	.
Yes	3.563	2.706	4.691	<0.001
Stroke (<i>no</i>)	1	.	.	.
Yes	1.014	0.586	1.755	0.960
MI or angina (<i>no</i>)	1	.	.	.
Yes	0.231	0.018	2.902	0.256
MI (<i>no</i>) [¶]	1	.	.	.
Yes	1.905	0.217	16.691	0.561
Angina (<i>no</i>)	1	.	.	.
Yes	4.751	0.415	54.429	0.210
Arthritis (<i>no</i>)	1	.	.	.
Yes	0.124	0.030	0.502	0.003
Osteoarthritis (<i>no</i>)	1	.	.	.
yes	6.016	1.509	23.988	0.011
Rheumatoid arthritis (<i>no</i>)	1	.	.	.
Yes	6.16	1.682	22.557	0.006
Kidney failure (<i>no</i>)	1	.	.	.
Yes	0.848	0.359	2.007	0.708
Depression (<i>no</i>)	1	.	.	.
Yes	1.497	1.109	2.021	0.008
Thyroid disease (<i>no</i>)	1	.	.	.
Yes	1.404	1.029	1.914	0.032
Asthma (<i>no</i>)	1	.	.	.
Yes	1.169	0.767	1.782	0.469
Mean dependent var	0.180	SD dependent var		0.384

Pseudo r-squared	0.323	Number of obs	8944
Chi-square	2726.634	Prob > chi2	0.000
Akaike crit. (AIC)	5794.927	Bayesian crit. (BIC)	6100.173
