

Supplementary Table 2. Subgroup analysis for number of metabolic syndrome diagnoses and risk of thyroid cancer

	Number of subjects	Thyroid cancer	IR 1,000 py	Model 1 HR (95% CI)	Model 2 HR (95% CI)	Model 3 HR (95% CI)	<i>p</i> value for interaction
Gender							0.159
Male							
0	602,060	1,754	0.468	1 (reference)	1 (reference)	1 (reference)	
1	133,397	499	0.601	1.29 (1.17–1.42)	1.15 (1.04–1.27)	1.12 (1.01–1.25)	
2	6,7884	293	0.695	1.49 (1.32–1.69)	1.23 (1.09–1.40)	1.19 (1.04–1.37)	
3	43,432	230	0.854	1.83 (1.60–2.10)	1.43 (1.24–1.65)	1.37 (1.17–1.60)	
4	33,488	215	1.037	2.23 (1.93–2.56)	1.61 (1.39–1.88)	1.54 (1.29–1.83)	
Female							
0	300,636	2,619	1.401	1 (reference)	1 (reference)	1 (reference)	
1	14,453	170	1.906	1.36 (1.16–1.59)	1.07 (0.91–1.25)	1.11 (0.90–1.19)	
2	4,766	83	2.840	2.03 (1.63–2.52)	1.41 (1.12–1.77)	1.51 (0.83–1.35)	
3	2,610	37	2.308	1.65 (1.19–2.28)	1.05 (0.75–1.47)	1.16 (1.00–1.28)	
4	1,920	29	2.462	1.76 (1.22–2.53)	1.03 (0.70–1.50)	1.16 (0.79–1.71)	
BMI, kg/m ²							0.198
< 25							
0	525,580	3,550	0.793	1 (reference)	1 (reference)	1 (reference)	
1	269,990	246	0.621	0.78 (0.69–0.89)	1.05 (0.92–1.19)	1.03 (0.90–1.19)	
2	179,743	71	0.614	0.78 (0.61–0.98)	1.09 (0.86–1.38)	1.06 (0.83–1.35)	
3	127,822	43	0.988	1.25 (0.92–1.68)	1.74 (1.29–2.36)	1.66 (1.22–2.27)	
4	101,511	14	0.810	1.02 (0.61–1.73)	1.38 (0.82–2.34)	1.28 (0.75–2.19)	
≥ 25							
0	627,810	823	0.724	1 (reference)	1 (reference)	1 (reference)	
1	215,619	423	0.809	1.12 (0.99–1.26)	1.19 (1.05–1.33)	1.13 (1.00–1.28)	
2	133,374	305	0.910	1.26 (1.10–1.44)	1.33 (1.17–1.52)	1.26 (1.09–1.45)	
3	108,375	224	0.926	1.28 (1.11–1.49)	1.33 (1.14–1.54)	1.24 (1.05–1.47)	
4	119,468	230	1.140	1.58 (1.36–1.83)	1.55 (1.33–1.80)	1.46 (1.23–1.74)	

IR py, incidence rate person-years; Model 1, non-adjusted; HR, hazard ratio; CI, confidence interval; Model 2, adjusted for age, sex, smoking, alcohol consumption, regular exercise, low income, and BMI; Model 3, adjusted for age, sex, smoking, alcohol consumption, regular exercise, low income, and baseline metabolic status (waist circumference, hypertension, triglyceride, high-density lipoprotein cholesterol, and impaired fasting glucose); BMI, body mass index.