

Supplemental table. The associated risk factors for thyroid goiter, thyroid nodule and multiple thyroid nodules in residents <65 y

	Thyroid goiter		Thyroid nodule		Multiple thyroid nodule	
	OR(95%CI)	P1	OR(95%CI)	P2	OR(95%CI)	P3
Univariate logistic analysis						
Residential area	10.042(5.188,19.441)	<0.001	1.499(1.263,1.778)	<0.001	1.474(1.130,1.923)	0.004
Sex	4.832(2.724,8.574)	<0.001	1.906(1.599,2.272)	<0.001	1.407(1.065,1.858)	0.016
Age	1.044(1.026,1.063)	<0.001	1.063(1.005,1.071)	<0.001	1.036(1.024,1.048)	<0.001
Smoking status	0.575(0.317,1.041)	0.068	0.839(0.679,1.037)	0.105	1.042(0.744,1.458)	0.812
Iodine status						
Insufficient	1.226(0.432, 3.481)	0.702	1.476(0.983,2.216)	0.061	1.322(0.675,2.591)	0.416
Above adequate	1.726(0.604, 4.928)	0.308	1.796(1.185,2.720)	0.006	1.379(0.696,2.729)	0.357
Excessive	1.071(0.339,3.389)	0.907	1.302(0.833,2.034)	0.247	1.108(0.531,2.312)	0.784
Iodized salt intake	0.682(0.092,5.050)	0.708	1.175(0.594,2.324)	0.644	0.705(0.254,1.963)	0.504
Seafood intake within the last 3 days	0.489(0.244,0.980)	0.044	0.701(0.554,0.885)	0.003	0.747(0.512,1.091)	0.132
Iodine-containing drug consumption within the last 3 days	0.000(0.000, -)	>0.998	0.743(0.278,1.986)	0.553	1.627(0.296,8.927)	0.575
Intravenous injection of iodine contrast medium within the last 3 months	0.782(0.105,5.819)	0.811	1.053(0.500,2.215)	0.892	0.806(0.258,2.518)	0.710

TPOAb	2.929(1.806,4.749)	<0.001	1.039(0.792,1.364)	0.782	1.175(0.769,1.795)	0.456
TgAb	3.278(2.104,5.105)	<0.001	1.006(0.789,1.282)	0.961	0.947(0.650,1.379)	0.775
Multiple logistic analysis						
Residential area	6.975(3.525,13.801)	<0.001	0.882(0.724,1.074)	0.211	1.184(0.892, 1.572)	0.242
Sex	2.943(1.627,5.325)	<0.001	1.996(1.623,2.382)	<0.001	1.347(1.006, 1.804)	0.045
Age	1.027(1.008,1.047)	0.006	1.064(1.055,1.073)	<0.001	1.034(1.022,1.047)	<0.001
Seafood intake within the last 3 days	0.990(0.473,2.073)	0.979	0.975(0.752,1.265)	0.850		
TPOAb	1.402(0.754,2.606)	0.286				
TgAb	2.024(1.145,3.576)	0.015				

This part of the analysis was conducted in residents younger than 65 years old. Univariate logistic regression, when adjusted for residential area (urban area and rural area), sex (male and female), age(continuous variable), smoking status (nonsmoker and smoker), iodine status (adequate, insufficient, above adequate and excessive), iodized salt intake (no and yes), seafood intake within the last 3 days (no and yes), iodine-containing drug consumption within the last 3 days (no and yes), intravenous injection of iodine contrast medium within the last 3 months(no and yes),TPOAb (negativity and positivity) and TgAb (negativity and positivity), was used to identify the associated risk factors for thyroid goiter, thyroid nodule and multiple thyroid nodules, respectively. Moreover, factors with a p value <0.05 in the univariate logistic analysis were further adjusted by using multiple logistic regression. P<0.05 was considered significant.

TPOAb: thyroid peroxidase antibody; TgAb: thyroglobulin antibody.