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Supplemental Table S2. Thyroid Function Except Clinically Low Group for the Risk of PTC and PTMC According to Sex, BMI Levels, and Women's Menopausal Status Based on Exclusion of Clinically Low Thyroid Function Level

	Controls	PTC	OR (95% CI)[a]	PTMC	OR (95% CI)[a]	Controls	PTC	OR (95% CI)[a]	PTMC	OR (95% CI)[a]
	Male (56 PTC, 50 PTMC[b] vs. 124 Controls)[c]					Female (153 PTC, 187 PTMC[b] vs. 376 Controls)[c]				
TSH, μIU/mL										
0.4–2.15	96	44	1.00	36	1.00	241	79	1.00	100	1.00
≥2.16	26	11	0.80 (0.31–2.10)	10	0.97 (0.38–2.48)	123	68	1.56 (1.02–2.39)	81	1.45 (0.94–2.23)
Free T4, ng/dL										
0.7–1.24	45	14	1.00	8	1.00	220	60	1.00	60	1.00
≥1.25	79	42	1.70 (0.70–4.13)	42	3.11 (1.14–8.52)	154	92	2.10 (1.39–3.19)	126	2.95 (1.91–4.55)
T3, ng/mL										
0.87–1.19	42	21	1.00	21	1.00	172	84	1.00	93	1.00
≥1.20	81	31	1.02 (0.45–2.31)	29	0.74 (0.32–1.69)	188	63	0.76 (0.50–1.15)	84	0.90 (0.59–1.37)
	BMI <25 kg/m^2 (145 PTC, 174 PTMC[b] vs. 326 Controls)[c]					BMI ≥ 25 kg/m^2 (64 PTC, 63 PTMC[b] vs. 174 Controls)[c]				
TSH, μIU/mL										
0.4–2.15	217	82	1.00	100	1.00	120	41	1.00	36	1.00
≥2.16	100	57	1.54 (0.97–2.44)	67	1.49 (0.93–2.37)	49	22	1.00 (0.48–2.09)	24	1.29 (0.61–2.74)
Free T4, ng/dL										
0.7–1.24	176	56	1.00	49	1.00	89	18	1.00	19	1.00
≥1.25	148	88	1.81 (1.16–2.84)	124	3.38 (2.08–5.47)	85	46	3.00 (1.44–6.23)	44	2.78 (1.30–5.98)
T3, ng/mL										
0.87–1.19	142	71	1.00	86	1.00	72	34	1.00	28	1.00
≥1.20	173	69	0.87 (0.56–1.34)	80	0.84 (0.54–1.31)	96	25	0.64 (0.31–1.32)	33	0.98 (0.47–2.08)
	Premenopausal women (80 PTC, 115 PTMC[b] vs. 192 Controls)[c]					Postmenopausal women (73 PTC, 72 PTMC[b] vs. 184 Controls)[c]				
TSH, μIU/mL										
0.4–2.15	121	39	1.00	56	1.00	120	40	1.00	44	1.00
≥2.16	66	36	1.56 (0.86–2.83)	55	1.31 (0.74–2.33)	57	32	1.84 (0.96–3.50)	26	1.52 (0.75–3.07)
Free T4, ng/dL										
0.7–1.24	111	35	1.00	37	1.00	109	25	1.00	23	1.00
≥1.25	81	45	1.84 (1.05–3.24)	78	3.02 (1.68–5.41)	73	47	2.50 (1.32–4.75)	48	3.20 (1.60–6.42)
T3, ng/mL										
0.87–1.19	91	39	1.00	64	1.00	81	45	1.00	29	1.00
≥1.20	93	40	1.09 (0.61–1.93)	47	0.85 (0.48–1.52)	95	23	0.53 (0.27–1.01)	37	1.30 (0.66–2.58)

PTC, papillary thyroid cancer; PTMC, papillary thyroid microcarcinoma; BMI, body mass index; OR, odds ratio; CI, confidence interval; TSH, thyroid stimulating hormone; T4, thyroxine; T3, triiodothyronine.

[a]Adjusted for age, sex, education level, family history of cancer, past history of chronic disease (dyslipidemia and benign thyroid disease), and total energy intake; [b]PTMC with 5 mm≤ tumor size <10 mm; [c]Total numbers of each category in the study population.