

Table S2. Distribution of serum PFAS concentrations among participants with normal weight

PFAS	LOD (ng/mL)	ALL (n=57)		Control (n=38)		PTC (n=19)		P
		Detecti		Detecti		Detecti		
		on rate	P ₅₀ (P ₂₅ , P ₇₅)	on rate	P ₅₀ (P ₂₅ , P ₇₅)	on rate	P ₅₀ (P ₂₅ , P ₇₅)	
		(%)		(%)		(%)		
9CIPF3ONS	0.02	91.2	0.21 (0.12, 0.38)	97.4	0.22 (0.15, 0.40)	78.9	0.14 (0.06, 0.24)	0.018
PFBS	0.02	29.8	0.02 (0.02, 0.02)	44.7	0.02 (0.02, 0.03)	0.0	0.02 (0.02, 0.02)	0.004
PFHxS	0.10	31.6	0.07 (0.04, 0.14)	36.8	0.08 (0.04, 0.15)	21.1	0.07 (0.04, 0.09)	0.263
PFOS	0.01	100.0	1.12 (0.66, 1.80)	100.0	1.24 (0.81, 1.96)	100.0	0.78 (0.46, 1.36)	0.039
PFUnA	0.01	100.0	0.26 (0.12, 0.39)	100.0	0.27 (0.13, 0.41)	100.0	0.21 (0.06, 0.36)	0.153
PFDA	0.10	73.7	0.19 (0.09, 0.30)	76.3	0.20 (0.12, 0.36)	68.4	0.16 (0.08, 0.24)	0.204
PFBA	0.10	42.1	0.09 (0.07, 0.13)	55.3	0.11 (0.09, 0.15)	15.8	0.07 (0.07, 0.08)	<0.001
PFDoA	0.01	59.6	0.01 (0.01, 0.03)	65.8	0.01 (0.01, 0.02)	47.4	0.01 (0.01, 0.03)	0.623
PFHpA	0.01	56.1	0.01 (0.01, 0.03)	60.5	0.01 (0.01, 0.03)	47.4	0.01 (0.01, 0.03)	0.799
PFNA	0.10	71.9	0.15 (0.07, 0.23)	76.3	0.16 (0.10, 0.24)	63.2	0.13 (0.05, 0.23)	0.388
PFOA	0.05	100.0	0.98 (0.63, 1.50)	100.0	0.98 (0.68, 1.37)	100.0	0.79 (0.47, 1.64)	0.703
PFPeA	0.01	100.0	0.28 (0.28, 0.28)	100.0	0.28 (0.28, 0.28)	100.0	0.28 (0.17, 0.28)	0.213
PFTeDA	0.01	100.0	0.17 (0.16, 0.17)	100.0	0.17 (0.16, 0.17)	100.0	0.17 (0.16, 0.17)	0.945
PFTTrDA	0.01	68.4	0.03 (0.01, 0.04)	73.7	0.03 (0.01, 0.05)	57.9	0.01 (0.01, 0.04)	0.321

Note: PFAS concentrations are presented as detection rates (%) and median (P₂₅, P₇₅). Values below the limit of detection (LOD) were imputed as LOD/ $\sqrt{2}$. P values were calculated using the Mann - Whitney U test. Bold values indicate statistical significance (*P* < 0.05). PTC, papillary thyroid carcinoma.