

Table S1 Tertiles of fat-soluble micronutrients and oxidative stress markers

Biomarker	T1	T2	T3
Vitamin D₃ , nmol/L	< 33.77	33.77-55.57	> 55.57
Retinol , μmol/L	< 1.64	1.64-2.04	> 2.04
α-Tocopherol , μmol/L	< 25.62	25.62-31.88	> 31.88
γ-Tocopherol , μmol/L	< 0.98	0.98-1.44	> 1.44
α-Carotene , μmol/L	< 0.077	0.077-0.194	> 0.194
β-Carotene , μmol/L	< 0.303	0.303-0.617	> 0.617
Lycopene , μmol/L	< 0.270	0.270-0.543	> 0.543
Lutein/Zeaxanthin , μmol/L	< 0.267	0.267-0.402	> 0.402
β-Cryptoxanthin , μmol/L	< 0.136	0.136-0.314	> 0.314
Protein Carbonyls , nmol/mg	< 0.239	0.239-0.334	> 0.334
3-Nitrotyrosine , pmol/mg	< 5.99	5.99-10.10	> 10.11

T1, lowest tertile; T2, middle tertile and T3, highest tertile.

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