Supplementary Table S1. Partial correlation coefficients between serum lipids and VE and retinol status (n = 1754).

Parameters	Retinol	α-TOH	γ-TOH	α-TOH/retinol	γ-TOH/retinol
GLU	-0.034	0.118[**]	0.099[**]	0.083[**]	0.075[**]
TC	0.020	0.503[**]	0.275[**]	0.296[**]	0.173[**]
TG	0.109[**]	0.535[**]	0.422[**]	0.240[**]	0.226[**]
HDL-C	-0.189[**]	0.149[**]	0.019	0.228[**]	0.117[**]
LDL-C	0.273[**]	0.241[**]	0.158[**]	-0.036	-0.049[*]

Partial correlation analysis was used to explore the relationship between serum α-TOH and retinol status with serum GLU and lipids status. Factors including age, gender, BMI, smoking, alcohol and physical activity were adjusted during data analysis. TG: triglyceride; TC: total cholesterol. GLU: glucose; TC: total cholesterol; TG: triglyceride; LDL-C: low density lipoprotein cholesterol; HDL-C: high density lipoprotein cholesterol; α-TOH: α-tocopherol; γ-TOH: γ-tocopherol. *: $P < 0.05$; **: $P < 0.01$.