

Table S3. Hazard ratios for all-cause mortality in the Estonian Biobank cohort stratified by gender.

Biomarker	Men	Women
	Hazard ratio (95% CI); P	Hazard ratio (95% CI); P
Alpha-1-acid glycoprotein	1.62 (1.44-1.82) P=9×10 ⁻¹⁶	1.77 (1.54-2.04) P=9×10 ⁻¹⁶
Albumin	0.67 (0.60-0.74) P=3×10 ⁻¹³	0.73 (0.64-0.83) P=4×10 ⁻⁶
VLDL particle size	0.64 (0.56-0.73) P=2×10 ⁻¹⁰	0.67 (0.56-0.79) P=3×10 ⁻⁶
Citrate	1.53 (1.33-1.76) P=2×10 ⁻⁹	1.21 (1.06-1.38) P=0.004

Hazard ratios (95% confidence intervals) are per 1-SD increment in biomarker concentration, and adjusted for age as time-scale, HDL cholesterol, current smoking, prevalent diabetes, prevalent cardiovascular disease, and prevalent cancer.