

Additional file 4. Prospective associations of log₂ MMA, eGFR and of interaction of log₂ MMA with eGFR, respectively, with all-cause mortality stratified for SES ($n_{\text{events}} / n_{\text{total}} = 72/1,533$).

	Model 1		Model 2		Model 3	
	HR (95% CI)	P-value	HR (95% CI)	P-value	HR (95% CI)	P-value
Log ₂ MMA (nmol/L)	13.72 (3.96-47.50)	<0.001	16.35 (4.74-56.36)	<0.001	10.86 (3.14-37.62)	<0.001
eGFR (10 mL/min/m ²)	8.01 (2.12-30.16)	0.002	10.85 (2.85-41.28)	<0.001	7.20 (1.88-27.53)	0.004
Log ₂ MMA x eGFR	0.75 (0.64-0.88)	<0.001	0.73 (0.63-0.86)	<0.001	0.77 (0.66-0.90)	0.001

Model 1: log₂ MMA, eGFR, log₂ MMA x eGFR.

Model 2: adjusted for age and sex.

Model 3: as model 2 + smoking, alcohol intake, BMI, SBP, vitamin B12 and use of vitamin supplements.

Abbreviations: BMI, body mass index; eGFR, estimated glomerular filtration rate; SBP, systolic blood pressure; SES, socioeconomic status.