

Supplementary table S1. Prospective relationship of biomarkers of net endogenous acid production and phosphorus intake during growth with GFR and HOMA-IR in adulthood ^a

		B (95% CI)	R²	P
GFR				
NAE- SDS	Model I ^b	0.43 (-8.62, 9.48)	0.10	0.92
	Model II ^c	-0.54 (-9.63, 8.56)	0.14	0.91
	Model III ^d	-0.51 (-9.56, 8.53)	0.16	0.91
PO4- SDS	Model I ^b	-2.61 (-9.14, 3.92)	0.10	0.43
	Model II ^c	-2.32 (-8.82, 4.18)	0.14	0.48
	Model III ^d	-1.91 (-8.44, 4.62)	0.16	0.56
HOMA-IR				
NAE- SDS	Model I ^b	-0.11 (-0.45, 0.23)	0.03	0.53
	Model II ^c	-0.07 (-0.41, 0.28)	0.08	0.70
	Model III ^d	-0.06 (-0.41, 0.28)	0.08	0.71
PO4- SDS	Model I ^b	0.04 (-0.20, 0.28)	0.03	0.74
	Model II ^c	0.01 (-0.23, 0.26)	0.08	0.91
	Model III ^d	0.01 (-0.24, 0.26)	0.08	0.95

Abbreviations: NAE-SDS and PO4-SDS; individual means of standard deviation scores of children's and adolescents' 24-h net acid excretion and 24-h phosphate excretion. HOMA-IR; homeostasis model assessment-insulin resistance. GFR; glomerular Filtration rate.

^a Results obtained from step-wise multi linear regression analyses.

^b Model I adjusted for sex and adult age along with basic urinary excretion variables related to acid-base status: urea nitrogen and urinary pH.

^c Model II adjusted for variables in model I plus adults' blood parameters: uric acid, LDL/HDL ratio, CRP, and HOMA-IR (in case of outcome GFR) or GFR (in case of outcome HOMA-IR).

^d Model III adjusted for variables in model II plus circulating pro-inflammatory effect modifiers: IL-1RA, sE-Selectin, and sICAM1.