

**Supplementary Table 1. Association between 25-hydroxyvitamin D and continuous ACR in NHANES 2001-2006**

Vitamin D (ng/ml)	Percent Difference (95% CI)		
	Unadjusted	Model 1*	Model 2*
[0-10)	-17 (-33, -1)	+9 (-9, +27)	+15 (-1, +31)
[10-20)	-10(-19, 0)	+7 (-3, +16)	+10 (0, +20)
[20-30)	-2 (-13, +8)	+4 (-5, +13)	+5 (-4, +15)
[30-40)	0 (Reference)	0 (Reference)	0 (Reference)
[40-50)	+14 (-11, +39)	+13 (-9, +35)	+8 (-16, +33)
≥ 50	+8 (-28, +44)	+9 (-23, +41)	+27 (-7, +61)
<i>p</i> -value	0.02	0.71	0.29

ACR is log transformed to correct for the right-sided skew. Effect estimates are expressed as percent differences (from reference) with 95% confidence interval in parentheses. Model 1 is adjusted for age, sex, race/ethnicity, BMI z-score. Model 2 is additionally adjusted for diabetes and hypertension and is thus limited to participants 8-19 years of age for whom systolic and diastolic blood pressures were available.