

SUPPLEMENTARY TABLE

Supplementary Table 1. Univariate analysis for lumbar spine bone mineral density.

	Statistics	β (95%CI)	P-value
Total cholesterol	210.443 ± 42.618	0.001 (-0.001, -0.001)	<0.0001
Total cholesterol quartiles			
Low	1080 (32.827%)	Reference	
Middle	1091 (33.161%)	-0.024 (-0.039, -0.008)	0.0028
High	1119 (34.012%)	-0.068 (-0.083, -0.053)	<0.0001
Sex			
Male	1665 (50.608%)	Reference	
Female	1625 (49.392%)	-0.119 (-0.131, -0.107)	<0.0001
Race/ethnicity			
Non-Hispanic white	2529 (76.869%)	Reference	
Non-Hispanic black	549 (16.687%)	0.088 (0.065, 0.111)	<0.0001
Other Hispanic	112 (3.404%)	-0.069 (-0.101, -0.038)	<0.0001
Other races - Including multi-racial	100 (3.040%)	-0.032 (-0.063, -0.002)	0.0365
Age			
60-69 years	1718 (52.219%)	Reference	
>= 70 years	1572 (47.781%)	-0.020 (-0.033, -0.007)	0.0020
Income to poverty ratio	2.443 ± 1.497	0.015 (0.011, 0.020)	<0.0001
Income to poverty ratio (tertile)			
Low	993 (33.311%)	Reference	
Middle	986 (33.076%)	0.051 (0.033, 0.069)	<0.0001
High	1002 (33.613%)	0.065 (0.048, 0.081)	<0.0001
Blood urea nitrogen	16.410 ± 7.092	0.002 (0.001, 0.003)	<0.0001
Blood urea nitrogen (tertile)			
Low	900 (27.447%)	Reference	
Middle	1052 (32.083%)	0.017 (0.001, 0.034)	0.0386
High	1327 (40.470%)	0.029 (0.013, 0.044)	0.0004
Total protein	7.316 ± 0.516	-0.013 (-0.025, 0.000)	0.0523
Total protein (tertile)			
Low	978 (29.835%)	Reference	
Middle	1066 (32.520%)	-0.017 (-0.033, -0.002)	0.0258
High	1234 (37.645%)	-0.019 (-0.034, -0.003)	0.0167
Serum uric acid	5.656 ± 1.460	0.030 (0.026, 0.035)	<0.0001
Serum uric acid (tertile)			
Low	0.030 (0.026, 0.035)	Reference	
Middle	1102 (33.608%)	0.062 (0.047, 0.078)	<0.0001
High	1171 (35.712%)	0.100 (0.085, 0.115)	<0.0001
Serum calcium	9.469 ± 0.413	-0.044 (-0.060, -0.028)	<0.0001
Serum calcium (tertile)			
Low	935 (28.515%)	Reference	
Middle	1020 (31.107%)	-0.007 (-0.023, 0.010)	0.4448
High	1324 (40.378%)	-0.035 (-0.050, -0.019)	<0.0001
Physical activity			
Sedentary	1046 (33.818%)	Reference	
Low	803 (25.962%)	0.018 (0.000, 0.035)	0.0464

Moderate	471 (15.228%)	0.034 (0.014, 0.054)	0.0009
High	773 (24.992%)	0.033 (0.016, 0.050)	0.0002
BMI	28.343 ± 5.459	0.010 (0.009, 0.011)	<0.0001
BMI (tertile)			
Low	1074 (33.344%)	Reference	
Middle	1073 (33.313%)	0.066 (0.051, 0.081)	<0.0001
High	1074 (33.344%)	0.115 (0.100, 0.130)	<0.0001

Abbreviations: CI, confidence interval; BMI, Body mass index.