

**Table S1** Results of regression models for FEV<sub>1</sub>/FVC adjusted for log urine cadmium/creatinine, age, race/ethnicity, sex, education, job category, body mass index, years ago quit smoking (for former smokers), pack years of cigarettes, and cotinine level. From the Third National Health and Nutrition Examination Survey, 1988–94

Variable	Current smokers	Former smokers	Never smokers
Log cadmium/creatinine	-0.86 (-1.36 to -0.36)	-0.83 (-1.23 to -0.43)	-0.07 (-0.25 to 0.11)
Age (10 years)	-2.99 (-3.35 to -2.63)	-2.73 (-3.03 to -2.43)	-2.02 (-2.14 to -1.90)
Race/ethnicity			
White	0	0	0
Black	2.40 (1.70 to 3.10)	2.00 (0.96 to 3.04)	1.53 (0.97 to 2.09)
Mexican-American	2.00 (1.06 to 2.94)	2.56 (1.32 to 3.80)	1.42 (0.74 to 2.10)
Other	2.26 (1.18 to 3.34)	2.88 (0.88 to 4.88)	1.25 (0.29 to 2.21)
Sex			
Male	-2.32 (-2.96 to -1.68)	-2.05 (-2.89 to -1.21)	-2.24 (-2.80 to -1.68)
Female	0	0	0
Education level (years)			
<12	-0.30 (-1.38 to 0.78)	-0.69 (-2.11 to 0.73)	-0.01 (-0.77 to 0.75)
12	-0.14 (-0.94 to 0.66)	-0.86 (-2.02 to 0.30)	0.06 (-0.48 to 0.60)
≥13 years	0	0	0
Job category			
Agriculture	-0.82 (-1.86 to 0.22)	-0.65 (-1.99 to 0.69)	-0.55 (-1.65 to 0.55)
Mining/manufacturing	0.38 (-0.40 to 1.16)	-0.17 (-1.55 to 1.21)	-0.28 (-1.06 to 0.50)
Transport	0.96 (-0.84 to 2.76)	-1.19 (-3.19 to 0.81)	-0.93 (-2.51 to 0.65)
Service	-0.46 (-1.24 to 0.32)	-0.68 (-1.72 to 0.36)	-0.14 (-0.68 to 0.40)
Unemployed	-0.24 (-2.04 to 1.56)	-0.51 (-2.21 to 1.19)	-0.74 (-1.78 to 0.30)
Retail	0	0	0
Body mass index (kg/m <sup>2</sup> )			

Variable	Current smokers	Former smokers	Never smokers
<18.5	-0.77 (-3.69 to 2.15)	0.88 (-9.14 to 10.90)	3.17 (1.55 to 4.79)
18.5–24	0	0	0
25–29	0.29 (-0.47 to 1.05)	1.31 (0.51 to 2.11)	-0.30 (-0.86 to 0.26)
≥30	0.88 (-0.08 to 1.84)	1.88 (1.10 to 2.66)	0.10 (-0.44 to 0.64)
Years ago quit smoking			
cigarettes			
>0–10		-4.73 (-6.61 to -2.85)	
>10–20		-4.05 (-5.87 to -2.23)	
>20–30		-3.37 (-5.39 to -1.35)	
>30–40		-1.73 (-4.27 to 0.81)	
>40		0	
Unknown		-5.24 (-8.10 to -2.38)	
Pack years of cigarettes			
≥60	-6.32 (-9.56 to -3.08)	-7.53 (-9.99 to -5.07)	
≤30–59	-4.30 (-5.80 to -2.80)	-4.66 (-6.94 to -2.38)	
>0–29	-1.99 (-3.37 to -0.61)	-3.15 (-5.05 to -1.25)	
0	0	0	
Cotinine level (ng/ml)*			
>100	-1.40 (-4.90 to 2.10)	0.36 (-1.26 to 1.98)	-0.97 (-2.51 to 0.57)
≤15–100	-0.39 (-3.93 to 3.15)	-0.76 (-3.42 to 1.90)	-1.31 (-3.25 to 0.63)
≤0.3–15	-0.05 (-3.07 to 2.97)	0.61 (-0.83 to 2.05)	0.21 (-0.45 to 0.87)
0.05–0.29	0.36 (-3.66 to 4.38)	0.27 (-0.99 to 1.53)	0.04 (-0.68 to 0.76)
Non-detectable	0	0	0
Missing	-1.00 (-5.00 to 3.00)	0.02 (-3.04 to 3.08)	0.01 (-0.93 to 0.95)
$r^2$ of model	0.36	0.35	0.25

\*Some never and former smokers had cotinine levels >15♣ng/ml, suggesting

misclassification of smoking status.