APPENDIX A
Table S1
Eighth Grade Models Predicting Tobacco Use, 2000-2006

Variable[a]	Current cigarette use OR (95%CI)	Daily cigarette use OR (95%CI)	Current smokeless tobacco use OR (95%CI)
State tobacco policies			
Cigarette excise tax ($)	0.83 (0.73, 0.95)	0.78 (0.63, 0.97)	0.61 (0.43, 0.86)
Smoke-free air score	0.97 (0.93, 1.01)	0.94 (0.89, 0.999)	0.94 (0.85, 1.06)
PUP score	1.04 (0.99, 1.09)	1.04 (0.97, 1.11)	1.12 (0.98, 1.30)
Youth access to tobacco score	1.00 (0.99, 1.01)	1.00 (0.99, 1.01)	1.02 (0.99, 1.04)
Synar retailer violation rate	1.00 (0.99, 1.01)	1.00 (0.98, 1.01)	0.98 (0.95, 1.02)
School tobacco policy			
Tobacco Policy Monitoring Score	1.00 (0.92, 1.08)	0.98 (0.90, 1.07)	1.05 (0.86, 1.29)
Exposure to anti-smoking advertising			
0 TRP	Ref.	Ref.	Ref.
< 1 TRP	0.82 (0.72, 0.93)	0.86 (0.74, 1.003)	0.63 (0.47, 0.84)
≥ 1 TRP	0.72 (0.55, 0.93)	0.75 (0.54, 1.04)	0.50 (0.30, 0.82)

Note.
a Each model adjusts for the following covariates: age, sex, race, type of school, school size, parental education level, number of parents at home, percent of students in the school on subsidized lunch, percent of students Black, percent of students Hispanic population density, and state tobacco acres.

APPENDIX A
Table S2
Tenth Grade Models Predicting Tobacco Use, 2000-2006

Variable[a]	Current cigarette use OR (95%CI)	Daily cigarette use OR (95%CI)	Current smokeless tobacco use OR (95%CI)
State tobacco policies			
Cigarette excise tax ($)	0.99 (0.91, 1.07)	0.97 (0.88, 1.07)	0.87 (0.70, 1.07)
Smoke-free air score	0.99 (0.95, 1.03)	0.98 (0.94, 1.03)	0.96 (0.90, 1.03)
PUP score	0.98 (0.92, 1.04)	0.99 (0.92, 1.07)	1.11 (1.01, 1.23)
Youth access to tobacco score	1.00 (0.99, 1.01)	1.00 (0.98, 1.01)	1.01 (0.99, 1.02)
Synar retailer violation rate	1.01 (0.998, 1.01)	1.01 (1.000, 1.02)	1.00 (0.98, 1.02)
School tobacco policy			
Tobacco Policy Monitoring Score	1.03 (0.95, 1.11)	1.00 (0.93, 1.08)	0.99 (0.86, 1.15)
Exposure to anti-smoking advertising			
0 TRP	Ref.	Ref.	Ref.
< 1 TRP	1.03 (0.90, 1.17)	1.03 (0.89, 1.19)	0.89 (0.72, 1.10)
≥ 1 TRP	0.98 (0.83, 1.16)	0.93 (0.75, 1.16)	0.81 (0.58, 1.14)

Note.
a Each model adjusts for the following covariates: age, sex, race, type of school, school size, parental education level, number of parents at home, percent of students in the school on subsidized lunch, percent of students Black, percent of students Hispanic population density, and state tobacco acres.

APPENDIX A
Table S3
Twelfth Grade Models[a] Predicting Tobacco Use, 2000-2006

Variable[a]	Current cigarette use OR (95%CI)	Daily cigarette use OR (95%CI)	Current smokeless tobacco use OR (95%CI)
State tobacco policies			
Cigarette excise tax ($)	0.81 (0.72, 0.92)	0.83 (0.72, 0.95)	0.65 (0.48, 0.88)
Smoke-free air score	0.96 (0.94, 0.98)	0.97 (0.94, 0.995)	0.88 (0.80, 0.96)
PUP score	1.06 (0.997, 1.13)	1.04 (0.97, 1.13)	1.13 (0.97, 1.32)
Youth access to tobacco score	1.00 (0.99, 1.01)	0.99 (0.98, 1.003)	1.02 (0.99, 1.05)
Synar retailer violation rate	1.01 (1.003, 1.02)	1.01 (1.002, 1.02)	1.01 (1.001, 1.01)
School tobacco policy			
Tobacco Policy Monitoring Score	1.00 (0.91, 1.09)	1.00 (0.91, 1.11)	0.99 (0.82, 1.18)
Exposure to anti-smoking advertising			
0 TRP	Ref.	Ref.	Ref.
< 1 TRP	0.93 (0.82, 1.05)	0.90 (0.79, 1.02)	0.79 (0.58, 1.09)
≥ 1 TRP	0.90 (0.76, 1.07)	0.89 (0.75, 1.05)	1.02 (0.73, 1.44)

Note.
a Each model adjusts for the following covariates: age, sex, race, type of school, school size, parental education level, number of parents at home, percent of students in the school on subsidized lunch, percent of students Black, percent of students Hispanic population density, and state tobacco acres.