Appendix Table 1. Average Weight Change Over 16 Years (1997-2011) per Interquartile Range (IQR) Increase in Pollutants.[a] Results are for Those who Never Move During Follow-up

	Average weight change (SD)[b]	$PM_{2.5}$, IQR=2.9 µg/m^3	O_3, IQR=6.7 ppb	NO_2, IQR=9.7 ppb
Overall	8.6 (11.4)	0.27 (-0.11, 0.65)	**0.49 (0.05, 0.93)**	**-0.70 (-1.13, -0.26)**
BMI in 1995[c]				
BMI <25	8.6 (8.2)	0.05 (-0.05, 0.14)	**0.59 (0.53, 0.66)**	**-1.01 (-1.14, -0.87)**
(n=11,744)				
25≤ BMI <30	8.3 (9.8)	0.18 (-0.52, 0.89)	0.27 (-0.55, 1.09)	-0.34 (-1.12, 0.45)
(n=8,991)				
BMI ≥30	4.1 (13.7)	0.68 (-0.02, 1.38)	0.60 (-0.22, 1.43)	-0.67 (-1.44, 0.11)
(n=8,031)				
Neighborhood SES[d]				
At Q1 SES	9.5 (0.08)	0.17 (-0.34, 0.67)	0.49 (-0.13, 1.10)	**-0.78 (-1.38, -0.18)**
At Q2 SES	9.5 (0.14)	0.25 (-0.26, 0.75)	0.47 (-0.14, 1.08)	**-0.71 (-1.31, -0.11)**
At Q3 SES	9.5 (0.18)	0.33 (-0.17, 0.84)	0.46 (-0.15, 1.07)	-0.63 (-1.23, -0.03)

Note: Boldface indicates statistical significance ($p<0.05$).
[a]All models adjusted for diet (western and prudent), menopausal status, education level, smoking status, vigorous activity, everyday racism, height, age, neighborhood SES, weight at age 18 and time.
[b]Weight change values for SES are calculated using a random effects model with SES as the only covariate. Model-based SEs for the estimates are reported, rather than SDs.
[c]Estimates in strata of BMI also include an interaction term for BMI and the pollutant.
[d]Estimates in strata of neighborhood SES also include an interaction term for neighborhood SES and the pollutants.

Appendix Table 2. Average Weight Change Over 16 Years (1997-2011) per Interquartile Range (IQR) Change in Pollutants. Results Shown for Women who Never Move and Separately for Cities With Low (≤0.3), Moderate (0.3-0.5), and High (>0.5) Correlation Between Neighborhood SES and the Pollutants[a]

	Correlation between SES and pollutant		
	$\|r\| \leq 0.3$	$0.3 < \|r\| \leq 0.5$	$\|r\| > 0.5$
$PM_{2.5}$	0.26 (-0.18, 0.70)	0.30 (-0.52, 1.11)	-1.10 (-3.75, 1.55)
IQR=2.9 μg/m^3	m=32 cities	m=17 cities	m=7 cities
O_3	0.74 (0.08, 1.39)+	0.51 (-0.22, 1.25)	-1.23 (-2.91, 0.45)
IQR=6.7 ppm	m=23 cities	m=21 cities	m=12 cities
NO_2	-0.66 (-1.42, 0.09)	**-1.28 (-2.25, -0.31)**	-1.79 (-4.00, 0.42)
IQR=9.7 μg/m^3	m=14 cities	m=23 cities	m=18 cities

Note: Boldface indicates statistical significance ($p<0.05$).
[a]Model adjusts for diet (western and prudent), menopausal status, education level, smoking status, vigorous activity, everyday racism, height, age, neighborhood SES, weight at age 18 and time. Analyses exclude those missing education, so models will converge. Vigorous activity was not included in the NO_2 and O_3 models due to convergence issues in the higher order models and lack of statistical significance.