**Additional file 6.** Effects of *in utero*/first year of life near-road freeway NOx on 4-year childhood BMI trajectories for baseline overweight/obese and normal BMI children.

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| --- | --- | --- | --- |
| **Freeway NOx Exposure (ppb)** | **BMI growth per yeara** Effect (95% CI) |  | **BMI at age 10 yearsa** Effect (95% CI) |
| Baseline Overweight or Obeseb  | Baseline Normal BMIc  |  | Baseline Overweight or Obeseb  | Baseline Normal BMIc  |
| *In utero*d | 0.06 (-0.07, 0.2) | 0.03 (-0.04, 0.1) |  | 0.2 (-0.5, 0.9) | 0.07 (-0.2, 0.3) |
| First year of lifee  | 0.07 (-0.06, 0.2) | 0.08 (-0.001,0.2) |  | 0.09 (-0.6, 0.8) | 0.2 (-0.1, 0.5) |

a BMI growth and BMI at age 10 years scaled to 2 standard deviations of *in utero* near-road freeway NOx exposure with 40.1 ppb and first year of life NOx with 39.1 ppb. Models adjusted for age, sex, race/ethnicity, parental education, Spanish questionnaire.

bBaseline overweight/obese= age-, sex-specific CDC BMI percentile ≥ 85.

cNormal BMI= age-, sex-specific CDC BMI percentile <85.

d *In utero*: overweight/obese, n=591; normal, n=1480.

e First year of life: overweight/obese, n=667; normal, n=1651.

Interaction p-values for in utero: pinteraction BMI growth<0.0001, pinteraction BMI at age 10<0.0001.

Interaction p-values for first year of life: pinteraction BMI growth<0.0001, pinteraction BMI at age 10<0.0001.