**Additional file 5.** Effects of *in utero*/first year of life near-road freeway NOx on 4-year childhood BMI trajectories for Non-Hispanic White/Hispanic children.

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| --- | --- | --- | --- |
| **Freeway NOx Exposure (ppb)** | **BMI growth per yeara** Effect (95% CI) |  | **BMI at age 10 yearsa** Effect (95% CI) |
| Non-Hispanic White | Hispanic |  | Non-Hispanic White | Hispanic |
| *In utero*b | 0.09 (-0.03, 0.2) | 0.01 (-0.07, 0.1) |  | 0.5 (-0.2, 1.1) | -0.07 (-0.6, 0.5) |
| First year of lifec  | 0.1 (-0.04, 0.3) | 0.08 (-0.009,0.2) |  | 0.7 (-0.1, 1.4) | 0.3 (-0.3, 0.9) |

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 with 39.1 ppb. Models adjusted for age, sex, parental education, Spanish questionnaire, and childhood near-road freeway NOx.

b *In utero* model: White, n=695; Hispanic, n=1151.

c First year of life: White, n=771; Hispanic n=1289.

Interaction p-values for in utero: pinteraction BMI growth=0.078, pinteraction BMI at age 10=0.35

Interaction p-values for first year of life: pinteraction BMI growth=0.0.013, pinteraction BMI at age 10=0.2