**Additional file 10.** Effects of childhood, near-road non-freeway NOx exposure on 4-year childhood BMI trajectories for children enrolled in the Children’s Health Study.

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| --- | --- | --- |
| **Childhood Non-freeway NOx Exposure (ppb)** | **BMI growth** Effect (95% CI) | **BMI at age 10 years** Effect (95% CI) |
| Model 1: Subjects with 2+ BMI Measures | 0.06 (0.02, 0.1)\* | 0.4 (0.2, 0.7)\* |
| Model 2: Movers only | 0.07 (0.02, 0.1)\* | 0.6 (0.3, 0.9)\* |
| Model 3: Subjects with in utero exposures  | 0.07 (0.02, 0.1)\* | 0.5 (0.1, 0.8)\* |
| Model 4: Subjects with first year of life exposures  | 0.07 (0.02, 0.1)\* | 0.4 (0.1, 0.8)\* |

a BMI growth and BMI at age 10 years scaled to 2 standard deviations of childhood near-road non-freeway NOx exposure with 9.4 ppb. Models adjusted for age, sex, race/ethnicity, parental education, and Spanish questionnaire.

\*p<0.05.