**Additional file 9.** Independent effects of *in utero* or first year of life near-road freeway NOx exposure on 4-year childhood BMI trajectories in movers and non-movers.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Freeway NOx Exposure (ppb)** | **BMI growth per yeara**  Effect (95% CI) | |  | **BMI at age 10 yearsa**  Effect (95% CI) | |
| Movers | Non-movers |  | Movers | Non-movers |
| *In utero* onlyb | 0.04  (-0.03, 0.1) | 0.05  (-0.05, 0.1) |  | 0.2  (-0.2, 0.5) | 0.7  (0.07, 1.3)\* |
| First year of life onlyc | 0.07  (0.01, 0.1)\* | 0.04  (-0.06, 0.1) |  | 0.4  (0.03, 0.7)\* | 0.6  (0.02, 1.2)\* |

a BMI growth and BMI at age 10 years scaled to 2 standard deviations: for movers *in utero* freeway NOx exposure with 40.1 ppb, first year of life freeway NOx with 39.1 ppb; for non-movers *in utero* freeway NOx exposure with 42.6 ppb, first year of life freeway NOx with 41.3 ppb. Models adjusted for age, sex, race/ethnicity, parental education, and Spanish questionnaire.

b *In utero* model, movers=2,072; non-movers=884.

c First year of life movers=2,318; non-movers=896.

\*p<0.05.