**Supplementary materials**

**Supplementary Material 1**. Sensitivity analysis of the effect of wildfire event during gestation on birth weight (g), by trimester.

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| --- | --- | --- | --- | --- |
|  | Unadjusted model | | Adjusted model1 | |
| Trimester of exposure | Effect (g) | 95% CI | Effect (g) | 95% CI |
| Any trimester | -10.6 | (-39.1, 17.9) | -17.0 | (-45.1, 11.1) |
| First (1-16 wk) | -11.8 | (-51.6, 27.9) | -19.6 | (-58.6, 19.5) |
| Second (17-28 wk) | -20.0 | (-68.4, 28.3) | -18.1 | (-68.4, 32.2) |
| Third (≥29 wk) | 0.8 | (-47.9, 49.5) | -11.3 | (-59.4, 36.8) |

1Adjusted by fetal sex, gestational age, parity, maternal age, maternal education, paternal education, and exposed average temperature.

Sensitivity analysis was performed on the birth weights of newborns (N=4,195) born in Inje, Jeongseon, and Taebaek, Gangwon Province during the same study period.