Changes in Preterm Birth and Birthweight During the SARS-CoV-2 Pandemic: A Nationwide Study in South Korea

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Supplementary Information

Figure S1. Mean birthweights of neonates at 37 (a), 38 (b), and 39 (c) weeks of gestation over time in South Korea.
Table S1.
Table S1. Odds ratios or coefficients of adverse birth outcomes in SARS-CoV-2 pandemic period (July–December, 2020; 122,193 singleton births) compared to pre-pandemic period (July–December, 2011–2019; 1,672,465 singleton births).
Odds ratios or coefficients estimated from model 1: the unadjusted univariable model; model 2: trend-adjusted; and model 3: adjusted for for parental age, gestation age, parental education level, marital status of parents, parity, and months from January 2011; are shown.

| Birth outcomes                  | OR* (95% CI†) or coefficient |
|---------------------------------|------------------------------|
|                                 | Unadjusted model          | Trend-adjusted model | All-adjusted model |
| Preterm births                  | 1.15 (1.13–1.18)          | 1.00 (0.972–1.03)     | 0.976 (0.948–1.01) |
| Birthweight (kg)                | –0.025 (–0.028–0.023)     | –0.013 (–0.016–0.01)  | –0.002 (–0.004–0.001) |
| LBW‡ (< 2.5 kg)                 | 1.10 (1.07–1.13)          | 1.02 (0.983–1.05)     | 0.963 (0.924–1.00) |
| Macrosomia (≥ 4.0 kg)           | 0.787 (0.758–0.816)       | 0.877 (0.841–0.914)   | 0.890 (0.854–0.928) |
| SGA§                            | 0.864 (0.842–0.886)       | 0.991 (0.963–1.02)    | 0.972 (0.944–1.00) |
| LGA¶                            | 0.981 (0.963–1.00)        | 0.954 (0.934–0.975)   | 0.947 (0.926–0.967) |
| Inappropriate birthweight       | 0.955 (0.941–0.970)       | 0.974 (0.957–0.990)   | 0.943 (0.927–0.960) |

*OR: Odds Ratio
†CI: Confidence Interval
‡ LBW: Low Birthweight, < 2.5 kg
§ SGA: Small for Gestational Age
¶LGA: Large for Gestational Age