S6 Table. Sensitivity analysis – Adjusted relative risk for the association between interpregnancy interval after an induced abortion and adverse pregnancy outcomes adjusted for covariates prior to IPI (n= 23,707)

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| **Outcome**  | **IPI** | **RR (95% CI)\*** | **aRR (95% CI)\*\*** | **P-value for aRR** |
| **PTB (n= 23,707)** | <3 m | 1.20 (0.97, 1.49) | 1.19 (0.96, 1.48) | 0.12 |
| 3-5 m | 0.95 (0.78, 1.16) | 0.95 (0.78, 1.16) | 0.62 |
| 6-11 m | Ref | Ref |  |
| 12-17 m | 0.82 (0.67, 1.00) | 0.82 (0.67, 1.00) | 0.05 |
| 18-23 m | 0.94 (0.77, 1.16) | 0.95 (1.77, 1.17) | 0.61 |
| ≥24 m | 1.00 (0.85, 1.15) | 0.99 (0.85, 1.16) | 0.92 |
| **Spontaneous PTB (n= 23,163)\*** | <3 m | 1.15 (0.86, 1.54) | 1.15 (0.86, 1.54) | 0.36 |
| 3-5 m | 1.04 (0.81, 1.34) | 1.04 (0.81, 1.34) | 0.76 |
| 6-11 m | Ref | Ref |  |
| 12-17 m | 0.62 (0.47, 0.83) | 0.62 (0.47, 0.83) | 0.00 |
| 18-23 m | 0.99 (0.76, 1.29) | 0.99 (0.76, 1.30) | 0.97 |
| ≥24 m | 0.98 (0.80, 1.19) | 0.97 (0.78, 1.18) | 0.71 |
| **SGA(n= 23,707)** | <3 m | 1.16 (0.98, 1.36) | 1.18 (1.00, 1.39) | 0.05 |
| 3-5 m | 1.08 (0.95, 1.24) | 1.10 (0.96, 1.26) | 0.18 |
| 6-11 m | Ref | Ref |  |
| 12-17 m | 1.12 (0.98, 1.28) | 1.11 (0.97, 1.26) | 0.13 |
| 18-23 m | 1.06 (0.92, 1.23) | 1.04 (0.90, 1.20) | 0.62 |
| ≥24 m | 1.10 (0.99, 1.23) | 1.02 (0.91, 1.14) | 0.73 |
| **LGA (n= 23,707)** | <3 m | 0.99 (0.83, 1.18) | 0.97 (0.81, 1.16) | 0.72 |
| 3-5 m | 0.84 (0.72, 0.99) | 0.83 (0.71, 0.97) | 0.02 |
| 6-11 m | Ref | Ref |  |
| 12-17 m | 1.00 (0.87, 1.15) | 1.01 (0.88, 1.17) | 0.85 |
| 18-23 m | 0.86 (0.73, 1.01) | 0.86 (0.75, 1.04) | 0.13 |
| ≥24 m | 0.95 (0.84, 1.06) | 1.04 (0.93, 1.18) | 0.47 |
| **Pre-eclampsia (n= 23,707)** | <3 m | 1.13 (0.81, 1.57) | 1.15 (0.83, 1.59) | 0.41 |
| 3-5 m | 1.00 (0.76, 1.33) | 1.02 (0.77, 1.36) | 0.88 |
| 6-11 m | Ref | Ref |  |
| 12-17 m | 0.91 (0.68, 1.20) | 0.90 (0.68, 1.19) | 0.45 |
| 18-23 m | 0.92 (0.69, 1.24) | 0.89 (0.66, 1.21) | 0.47 |
| ≥24 m | 1.12 (0.91, 1.39) | 1.04 (0.83, 1.30) | 0.73 |
| **GDM (n= 23,707)** | <3 m | 0.75 (0.52, 1.08) | 0.67 (0.46, 0.96) | 0.03 |
| 3-5 m | 0.88 (0.66, 1.16) | 0.82 (0.62, 1.08) | 0.16 |
| 6-11 m | Ref | Ref |  |
| 12-17 m | 1.02 (0.79, 1.33) | 1.09 (0.84, 1.41) | 0.53 |
| 18-23 m | 0.84 (0.62, 1.14) | 0.98 (0.73, 1.32) | 0.90 |
| ≥24 m | 1.32 (1.08, 1.62) | 1.95 (1.59, 2.40) | 0.00 |

RR- Relative risk. aRR- adjusted relative risk. CI - Confidence interval. IPI - Interpregnancy interval. PTB - Preterm birth. SGA- Small-for-gestational age. LGA - Large-for-gestational age. GDM- Gestational diabetes mellitus. BMI - Body mass index. \*Births with non-spontaneous preterm outcomes were excluded when defining spontaneous PTB. \*\*Adjusted for maternal age, gravidity, year of birth at the time of miscarriage (before interval). For maternal age, we used restricted cubic splines with 5 knots placed at the 5th, 27.5th, 50th, 72.5th and 95th percentiles in the study population, which corresponds to 18, 22, 25, 29, and 36 for births after an induced abortion.