## Supplementary material

**Table 1 :** Crude and adjusted Cox proportional-hazard ratio sensitivity analysis for time-dependent variables in ***influenza*** vaccinated FluMum study participants, Australia 2014-2015.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **VARIABLES** | **Total****N (%)** | **Unvaccinated****N (%)** | **Vaccinated IIV** **N (%)** | **HR\* (95% CI) *P*** | **aHR\*† (95% CI) *P*** |
| **Preterm birth** (<37 weeks)1st trimester2nd trimester3rd trimester | 590/8,776 (7%) | 406/6,086 (7%) | 184/2,690 (7%) | 1.10 (0.92,1.31) 0.281.14 (0.80,1.61) 0.470.97 (0.77,1.23) 0.810.98 (0.76, 1.27) 0.87 | 1.05 (0.82,1.34) 0.690.95 (0.55,1.63) 0.840.95 (0.69,1.30) 0.730.95 (0.67, 1.35) 0.77 |
| **LBW** at term‡(<2500g)1st trimester2nd trimester3rd trimester | 181/8,186 (2%) | 126/5,680 (2%) | 55/2,506 (2%) | 1.05 (0.76,1.44) 0.771.06 (0.50,2.27) 0.881.20 (0.78,1.85) 0.400.83 (0.53, 1.30) 0.41 | 0.81 (0.50,1.29) 0.370.50 (0.12,2.05) 0.340.93 (0.49,1.74) 0.810.63 (0.34, 1.16) 0.14 |
| **SGA total** (<10th percentile)1st trimester2nd trimester3rd trimester | 864/8,769 (10%) | 609/6,082 (10%) | 255/2,687 (9%) | 0.99 (0.86,1.15) 0.940.96 (0.67,1.38) 0.830.99 (0.80,1.22) 0.900.96 (0.79, 1.16) 0.65 | 0.92 (0.74, 1.14) 0.430.88 (0.54,1.44) 0.610.83 (0.60,1.14) 0.240.91 (0.70, 1.19) 0.50 |

**Abbreviations:** IIV, inactivated influenza vaccine; 95% CI, 95% confidence interval; HR, hazard ratio; aHR, adjusted hazard ratio; LBW, low birthweight; SGA, small for gestational age.

**Note:** denominators differ due to missing data. Data restricted to the years 2014-2015 inclusive.

\* Crude HR results comparing outcome variable in vaccinated group to referent (unvaccinated) group.

**†** Adjusted HR results compared to referent (unvaccinated) group, adjusting for pertussis in pregnancy

‡ t-test differences (in weeks) compared to the referent group

§ t-test differences (in grams) compared to the referent group

^ Low birthweight at term (<2500grams and ≥37 completed weeks gestation at birth)