**Supplemental Digital Content 3.** Crude and adjusted subgroup and sensitivity analyses results: all analyses analyze the primary outcome, comparing pregnancy exposure to unexposed (unless noted otherwise).

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| --- | --- | --- |
|  | **IBM MarketScan** | **MAX** |
|  | HR (95% CI) | HR (95% CI) |
| Preterm pregnancies |  |  |
| Crude | 0.141 (0.019, 1.037) | 0.446 (0.110, 1.804) |
| Adjusted | 0.085 (0.012, 0.629) | 0.121 (0.025, 0.575) |
| Full term pregnancies |  |  |
| Crude | 0.671 (0.421, 1.069) | 0.662 (0.394, 0.982) |
| Adjusted | 0.920 (0.516, 1.639) | 0.577 (0.270, 1.235) |
| Full term, exposed before 37 weeks | |  |
| Crude | 0.647 (0.399, 1.051) | 0.558 (0.340, 0.916) |
| Adjusted | 0.926 (0.496, 1.728) | 0.592 (0.263, 1.333) |
| Delivery during an increase in pertussis | |  |
| Crude | 0.495 (0.208, 1.174) | 0.510 (0.210,1.235) |
| Adjusted | 0.416 (0.163, 1.062) | 0.215 (0.071, 0.649) |
| Delivery not during an increase in pertussis | |  |
| Crude | 0.586 (0.347, 0.988) | 0.625 (0.380, 1.028) |
| Adjusted | 0.885 (0.462, 1.696) | 0.677 (0.290, 1.578) |
| Pregnancy exp., except last two weeks of pregnancy | |  |
| Crude | 0.516 (0.321, 0.830) | 0.556 (0.349, 0.888) |
| Adjusted | 0.716 (0.386, 1.328) | 0.503 (0.223, 1.135) |
| Delivery exp., including last two weeks of pregnancy | |  |
| Crude | 0.612 (0.270, 1.391) | 1.023 (0.710, 1.474) |
| Adjusted | 0.636 (0.278, 1.451) | 1.074 (0.691, 1.667) |
| Years 2011-2014 only |  |  |
| Crude | 0.602 (0.374, 0.969) | 0.636 (0.407, 0.994) |
| Adjusted | 0.747 (0.417, 1.339) | 0.660 (0.302, 1.444) |