

## Supplemental Information

**SUPPLEMENTAL TABLE 3** Characteristics of Matched Case Patients and Controls for Infant Hospitalizations From Respiratory Causes in the First 6 Months of Life in the VSD, 2004–2014

	Respiratory Hospitalization Case Patients ( <i>n</i> = 4644)	Matched Controls ( <i>n</i> = 4644)	<i>P</i> <sup>a</sup>
Mean age at event in d (range)	69 (1–183)	—	—
Mean gestational age at delivery in wk (range)	39 (34–42)	39 (34–43)	<.0001
Mean maternal age in y (range)	30 (14–48)	31 (13–51)	<.0001
Mean length of delivery hospitalization in d (range)	2.4 (0–103)	2.2 (0–91)	.18
Smoking during pregnancy, %	8.5	7.1	.04
Pregnancy complications, % <sup>b</sup>	31.2	29.1	.03
Cesarean delivery, %	29.0	28.9	<.0001
Adequate prenatal care by Kotelchuck index, % <sup>31</sup>	92.8	92.7	.78
African American non-Hispanic or American Indian race, %	7.0	6.9	.78

—, not applicable.

<sup>a</sup> *P* values calculated by  $\chi^2$  tests for categorical variables and Wilcoxon median 2-sample tests for continuous variables.

<sup>b</sup> Pregnancy complications include hemorrhage, hypertensive disorders, renal disease, diabetes, thyroid disease, cardiovascular disease, and epilepsy.

**SUPPLEMENTAL TABLE 4** Matched Case-Control Analysis of Infant Hospitalizations and Death in the First 6 Months of Life in the VSD After Maternal Vaccination With Either Influenza or Tdap Vaccine, 2004–2014

	1:1 Matched Analysis of Hospitalizations ( <i>n</i> = 50 444)		1:1 Matched Analysis of Respiratory Hospitalizations ( <i>n</i> = 9288)		1:1 Matched Analysis of Deaths ( <i>n</i> = 314)	
	Influenza only <sup>a</sup>	Tdap only <sup>b</sup>	Influenza only	Tdap only	Influenza only	Tdap only
Vaccine in pregnancy						
Case patients exposed, %	30.1	4.2	31.3	2.8	30	3
Controls exposed, %	30.3	4.5	30.6	3.9	29	4
Crude OR (95% CI)	0.99 (0.95–1.03)	0.92 (0.84–1.01)	1.04 (0.94–1.15)	0.67 (0.52–0.85)	1.07 (0.65–1.74)	0.80 (0.22–2.98)
aOR <sup>c</sup> (95% CI)	1.01 (0.97–1.05)	0.93 (0.85–1.03)	1.09 (0.98–1.21)	0.64 (0.50–0.82)	1.23 (0.69–2.16)	0.62 (0.15–2.60)
<i>P</i> <sup>d</sup>	.72	.16	.10	.0005	.48	.51

aOR, adjusted odds ratio; OR, odds ratio.

<sup>a</sup> Influenza vaccine in pregnancy given without Tdap vaccine.

<sup>b</sup> Tdap vaccine in pregnancy given without influenza vaccine.

<sup>c</sup> Adjusting for pregnancy complications, adequacy of prenatal care, smoking during pregnancy, race, maternal age, infant DTaP receipt before event, length of birth hospitalization in days, and gestational age at delivery in weeks.

<sup>d</sup> *P* values correspond to the aOR.