

Supplementary Online Content

Sukumaran L, McCarthy NL, Kharbanda EO, et al. Association of Tdap vaccination with acute events and adverse birth outcomes in pregnant women with prior tetanus-containing immunizations. *JAMA*. doi:10.1001/jama.2015.12790.

eTable 1. Model Fit Test: Akaike Information Criterion (AIC) Measurements

eTable 2. Acute Outcomes 0-3 Days After Vaccination

eTable 3. Acute Outcomes Days 0-7 After Vaccination

eTable 4. Allergic Reactions Following Tdap Vaccination in Pregnancy by Interval From Prior Tetanus Vaccination

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Model fit-test: Akaike Information Criterion (AIC) measurements

Tdap + prior tetanus <2 years v. Tdap and prior tetanus >5 years	AIC	Tdap and prior tetanus 2-5 years v. Tdap and prior tetanus >5 years	AIC
Fever (0-3 days)	111	Fever (0-3 days)	-
Fever (0-7 days)	160	Fever (0-7 days)	132
Allergic reaction (0-3 days)	66	Allergic reaction (0-3 days)	68
Allergic reaction (0-7 days)	134	Allergic reaction (0-7 days)	169
Local reaction (0-3 days)	288	Local reaction (0-3 days)	368
Local reaction (0-7 days)	416	Local reaction (0-7 days)	580
Preterm delivery	6,454	Preterm delivery	8,151
Low birth weight	5,252	Low birth weight	6,704
Small for gestational age	8,393	Small for gestational age	10,660

eTable 2. Acute outcomes 0-3 days after vaccination

Outcome	Tdap + prior tetanus < 2 years (N = 4,812)		Tdap + prior tetanus 2-5 years (N = 9,999)		Tdap + prior tetanus > 5 years (N = 14,344)	
	N	Rate/10,000	N	Rate/10,000	N	Rate/10000
Fever	1	2.1	0	0	5	3.5
Cellulitis	0	0	1	1.0	8	5.6
Limb pain	1	2.1	3	3.0	6	4.2
Limb swelling	1	2.1	3	3.0	1	0.7
Lymphadenitis	1	2.1	0	0	1	0.7
Arthus reaction	0	0	0	0	0	0
Anaphylaxis	0	0	0	0	0	0
Allergy	1	2.1	1	1.0	0	0
Urticaria	0	0	0	0	2	1.4
Guillain-Barré Syndrome^a	0	0	0	0	0	0

^aGuillain-Barré Syndrome diagnosed 1-42 days after vaccination

eTable 3. Acute outcomes day 0-7 after vaccination

Outcome	Tdap + prior tetanus < 2 years (N = 4,812)		Tdap + prior tetanus 2-5 years (N = 9,999)		Tdap + prior tetanus > 5 years (N = 14,344)	
	N	Rate/10,000	N	Rate/10,000	N	Rate/10000
Fever	3	6.2	1	1.0	6	4.2
Cellulitis	2	4.2	2	2.0	11	7.7
Limb pain	3	6.2	11	11.0	9	6.3
Limb swelling	2	4.2	4	4.0	2	1.4
Lymphadenitis	1	2.1	0	0	1	0.7
Arthus reaction	0	0	0	0	0	0
Anaphylaxis	0	0	0	0	0	0
Allergy	1	2.1	2	2.0	0	0
Urticaria	1	2.1	2	2.0	5	3.5
Guillain-Barré Syndrome^a	0	0	0	0	0	0

^aGuillain-Barré Syndrome diagnosed 1-42 days after vaccination

eTable 4. Allergic reactions following Tdap vaccination in pregnancy by interval from prior tetanus vaccination: Sensitivity analysis including outpatient diagnoses occurring on day 0

Outcome	Tdap + prior tetanus < 2 years (N = 4,812)		Tdap + prior tetanus 2-5 years (N = 9,999)		Tdap + prior tetanus > 5 years (N = 14,344)		Unadjusted relative risk ^b (95% CI)	Adjusted ^a relative risk ^b (95% CI)	Unadjusted relative risk ^c (95% CI)	Adjusted ^a relative risk ^c (95% CI)
	N	Rate/10,000	N	Rate/10,000	N	Rate/10,000				
Allergic reaction (0-3 days)	3	6.2	6	6.0	12	8.4	0.75 (0.21-2.64)	1.20 (0.32-4.47)	0.71 (0.27-1.91)	0.97 (0.35-2.69)
Allergic reaction (0-7 days)	4	8.3	9	9.0	15	10.5	0.79 (0.26-2.39)	1.19 (0.38-3.76)	0.86 (0.38-1.97)	1.13 (0.48-2.68)

^aAdjusting for VSD site and gestational age at vaccination in weeks

^bTdap + prior tetanus < 2 years compared to Tdap + prior tetanus > 5 years

^cTdap + prior tetanus 2-5 years compared to Tdap + prior tetanus > 5 years