

Appendix
Feasibility of Text Message Influenza Vaccine Safety Monitoring During Pregnancy
Stockwell et al.

Appendix Table 1. Non-Pregnancy Events Post Influenza Vaccination Reported via Text Message and in the Electronic Medical Record

Day/Number of non-pregnancy events identified	Source ^a	
	Text report (with EMR confirmation)	No text report, documented in EMR
Day 0-7		
1 fever	1 text (with 1 EMR)	
4 upper respiratory infection	4 text (with 0 EMR)	
2 nausea/vomiting	2 text (with 1 EMR)	
1 epilepsy	1 text (with 1 EMR)	
1 headache	1 text (with 1 EMR)	
1 genetic exam	1 text (with 1 EMR)	
Days 8-14		
2 fever	2 text (with 0 EMR)	
1 upper respiratory infection	1 text (with 0 EMR)	
2 nausea/vomiting	2 text (with 0 EMR)	
1 constipation	1 text (with 0 EMR)	
2 headache	2 text (with 0 EMR)	
1 genetic exam	1 text (with 1 EMR)	
1 sickle cell crisis	1 text (with 1 EMR)	
Days 15-28		
1 fever	1 text (with 0 EMR)	
5 upper respiratory infection	3 text (with 2 EMR)	2 additional in EMR
2 headache	2 text (with 1 EMR)	
2 urinary tract infection	0 text	2 EMR
1 fall	0 text	1 EMR
1 rash	0 text	1 EMR
1 palpitation	0 text	1 EMR
Days 29-42		
2 fever	2 text (with 0 EMR)	
2 urinary tract infection	1 text (with 1 EMR)	1 additional in EMR
3 vaginal candidiasis	1 text (with 1 EMR)	2 additional in EMR
1 headache	1 text (with 1 EMR)	
1 allergy	1 text (with 0 EMR)	
1 genetic exam	1 text (with 1 EMR)	
1 palpitation	0 text	1 EMR
1 upper respiratory infection	0 text	1 EMR
1 nausea/vomiting	0 text	1 EMR
Days 43-70		
2 upper respiratory infection	1 text (with 0 EMR)	1 additional in EMR
4 urinary tract infection	2 text (with 2 EMR)	2 additional in EMR
2 gastrointestinal problems	1 text (with 1 EMR)	1 additional in EMR
2 headache	1 text (with 0 EMR)	1 additional in EMR
1 seizure	1 text (with 1 EMR)	
1 dehydration	1 text (with 1 EMR)	

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1 palpitations	0 text	1 EMR
1 vaginal candidiasis	0 text	1 EMR
1 rash	0 text	1 EMR
1 syncope	0 text	1 EMR
Days 71-249		
6 fever	3 text (with 2 EMR)	3 additional in EMR
13 upper respiratory infection	3 text (with 1 EMR)	10 additional in EMR
3 urinary tract infection	0 text	3 additional in EMR
5 vaginal candidiasis/discharge	1 text (with 1 EMR)	4 additional in EMR
6 gastrointestinal problems	4 text (with 2 EMR)	2 additional in EMR
5 syncope/presyncope	3 text (with 1 EMR)	2 additional in EMR
5 palpitations	1 text (with 1 EMR)	4 additional in EMR
2 headache	0 text	2 additional in EMR
2 motor vehicle accident	1 text (with 0 EMR)	1 additional in EMR
1 otitis externa	1 text (with 1 EMR)	
1 oral candidiasis	1 text (with 1 EMR)	
1 shingles	1 text (with 0 EMR)	
1 seizure	1 text (with 1 EMR)	
1 asthma exacerbation	1 text (with 1 EMR)	
1 muscle strain	1 text (with 1 EMR)	
1 sickle cell crisis	1 text (with 1 EMR)	
5 rash	0 text	5 EMR
2 breast lump	0 text	2 EMR
1 scalp laceration	0 text	1 EMR

Note: Boldface indicates events reported via a pre-specified text message response; non-bolded text indicates events reported via free text. Each event is unique within the time period indicated, but may occur for a given person in multiple time periods.

^a Text: reported by text message; EMR: Documented in electronic medical record

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Appendix Table 2. Pregnancy Outcomes Verifiable on Electronic Medical Record Review For Those Who Completed the Text Messaging Program Versus Those Who Stopped or Never Replied For Outcomes

Pregnancy and neonatal outcomes	Completed text message responses	Stopped/Never responded to text messages
	n/N (%) 95% CI ^a	n/N (%) 95% CI ^a
Delivered	115/123 (93.5) 87.7-96.7	20/21 (95.2) 77.3-99.2
Pregnancy loss	8/123 (6.5) 3.3-12.3	1/21 (4.8) 0.85-22.7
Preterm birth	8/115 (7.0) 3.6-13.1	2/20 (10.0) 2.8-30.1
Low birth weight	12/120 (10.0) 5.8-16.7	2/22 (9.1) 2.5-27.8
Small-for-gestational age	9/120 (7.5) 4.0-13.6	2/22 (9.1) 2.5-27.8
Major birth defects	2/120 (1.7) 0.5-5.9	2/22 (9.1) 2.5-27.8

Note: Delivery and pregnancy loss are per pregnancy; preterm birth, birth weight, small-for-gestational age, and birth defects are per newborn.

^a95% CIs are intervals around proportion point estimate

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Appendix Figure 1. Study flow for enrollment.

