

Table 1 Supplement. U.S. Adverse Events (AEs): COVID Vaccines; Influenza Vaccines

	AE Count (COVID; flu)	AE/month (COVID; flu)	AE/billion doses (COVID; flu)	AE/billion persons (COVID; flu)
Menstrual abnormality	6352; 54	353; 0.184	10700; 16.4	24400; 173
Miscarriage	1232; 259	68.4; 0.881	2070; 78.5	4740; 827
Chromosomal Abnormalities	7; 0	0.389; 0.00	11.7; 0.00	26.9; 0.00
Malformation	2; 1	0.111; 0.00340	3.35; 0.303	7.69; 3.19
Cystic Hygroma	5; 0	0.278; 0.00	8.39; 0.00	19.2; 0.00
Fetal Cardiac Disorders	10; 2	0.556; 0.00680	16.8; 0.606	38.5; 6.39
Fetal Arrhythmia	3; 0	0.167; 0.00	5.03; 0.00	11.5; 0.00
Fetal Cardiac Arrest	3; 5	0.167; 0.00	5.03; 0.00	11.5; 0.00
Malperfusion	5; 0	0.278; 0.00	8.39; 0.00	19.2; 0.00
Growth Anomaly	59; 20	3.28; 0.0680	99.0; 6.06	227; 63.9
Abnormal Fetal Surveillance	125; 36	6.94; 0.122	210; 10.9	481; 115
Placental Thrombosis	5; 0	0.278; 0.00	8.39; 0.00	19.2; 0.00
Stillbirth	168; 42	9.33; 0.143	282; 12.7	646; 134
Low amniotic fluid	11; 1	0.611; 0.00340	18.4; 0.303	42.3; 3.19
Preeclampsia	106; 22	5.89; 0.0748	178; 6.67	408; 70.3
Preterm Delivery	141; 168	7.83; 0.57	236; 50.9	542; 537
PPROM	17; 7	0.944; 0.0238	28.5; 2.12	65.4; 22.4
Premature Baby Death	3; 0	0.167; 0.00	5.03; 0.00	11.5; 0.00

Table 2 Supplement. Statistical Analysis for U.S. Relative Rates (RRs) of AEs for COVID Vaccines/Influenza Vaccines by Time, by Dose, and per Person [Mean (95% CI), *p*]

Adverse Event (AE)	RR by Time	RR by Dose	RR by Persons Vaccinated
Menstrual abnormality	2524 (895-6420) <i>p</i> =0.0	738 (392-1584) <i>p</i> =0.0	145 (108.6-197.4) <i>p</i> =0.0
Miscarriage	83 (50.8-143) <i>p</i> =0.0	27 (20-37) <i>p</i> =0.0	5.8 (5.0-6.7) <i>p</i> =0.0
Chromosomal Abnormalities	<i>p</i> =0.0048	<i>p</i> =0.0048	<i>p</i> =0.0048
Malformation	2 (0.0-5.0) <i>p</i> =0.20	2 (0-5) <i>p</i> =0.20	2 (0.0-5.0) <i>p</i> =0.20
Cystic Hygroma	<i>p</i> =0.020	<i>p</i> =0.020	<i>p</i> =0.020
Fetal Cardiac Disorders	10 (4.0-17) <i>p</i> =0.00058	9 (3.0-16) <i>p</i> =0.00058	6 (1.5-15) <i>p</i> =0.0047
Fetal Cardiac Arrest	<i>p</i> =0.088	<i>p</i> =0.088	<i>p</i> =0.088
Fetal Arrhythmia	<i>p</i> =0.088	<i>p</i> =0.088	<i>p</i> =0.088
Malperfusion	<i>p</i> =0.020	<i>p</i> =0.020	<i>p</i> =0.020
Growth Anomaly	43 (14.0-72.0) <i>p</i> =0.0	22 (7.1-64) <i>p</i> =0.0	4(2-7) <i>p</i> =3x10 ⁻⁰⁷
Abnormal Fetal Surveillance	68 (21.6-140) <i>p</i> =0.0	24 (10 - 63) <i>p</i> =0.0	4 (2.9-6.6) <i>p</i> =0.0
Placental Thrombosis	<i>p</i> =0.020	<i>p</i> =0.020	<i>p</i> =0.020
Stillbirth	82.1 (26.5-183) <i>p</i> =0.0	26 (12.2-60.0) <i>p</i> =0.0	5.0 (3.4-7.2) <i>p</i> =0.0
Low amniotic fluid	10.8 (4.50-18.0) <i>p</i> =0.00029	10.5 (4.00-18.0) <i>P</i> =0	8.8 (2.5-17) <i>p</i> =0.00029
Preeclampsia	73.8 (24.3-123) <i>p</i> =0.0	35 (12.3-110) <i>p</i> =0.0	6.2 (3.7-10) <i>p</i> =0.0
Preterm Delivery	15.4 (8.00-31.6) <i>p</i> =0.0	4.8 (3.2-7.2) <i>p</i> =0.0	1.0 (0.80-1.3) <i>p</i> =0.91
PPROM	15.2 (5.50-25.0) <i>p</i> =5.1x10 ⁻⁰⁶	12.1 (3.50-24.0) <i>p</i> =5.3x10 ⁻⁰⁵	3.7 (1.2-11) <i>p</i> =0.0095
Premature Baby Death	<i>p</i> =0.088	<i>p</i> =0.088	<i>p</i> =0.088

Figure 1 Supplement shows U.S. reporting ratios (RRs) of adverse events (AEs) for COVID-19 vaccines compared with influenza vaccines per dose given. All RRs are substantially greater than 1. The RR (95% CI) values are: abnormal menses, 738 (391.6-1584); miscarriage, 27 (20-37), fetal malformation, 2 (0-5); fetal cardiac disorders, 9 (3-16); fetal growth restriction, 22 (7.1-64); abnormal fetal testing, 24 (10-63); low amniotic fluid volume, 11 (4.0-18); preeclampsia, 35.1 (12.3-110); and stillbirth, 26 (12-60). Note that RRs with a zero in numerator or denominator cannot be calculated and are not depicted on this forest plot.

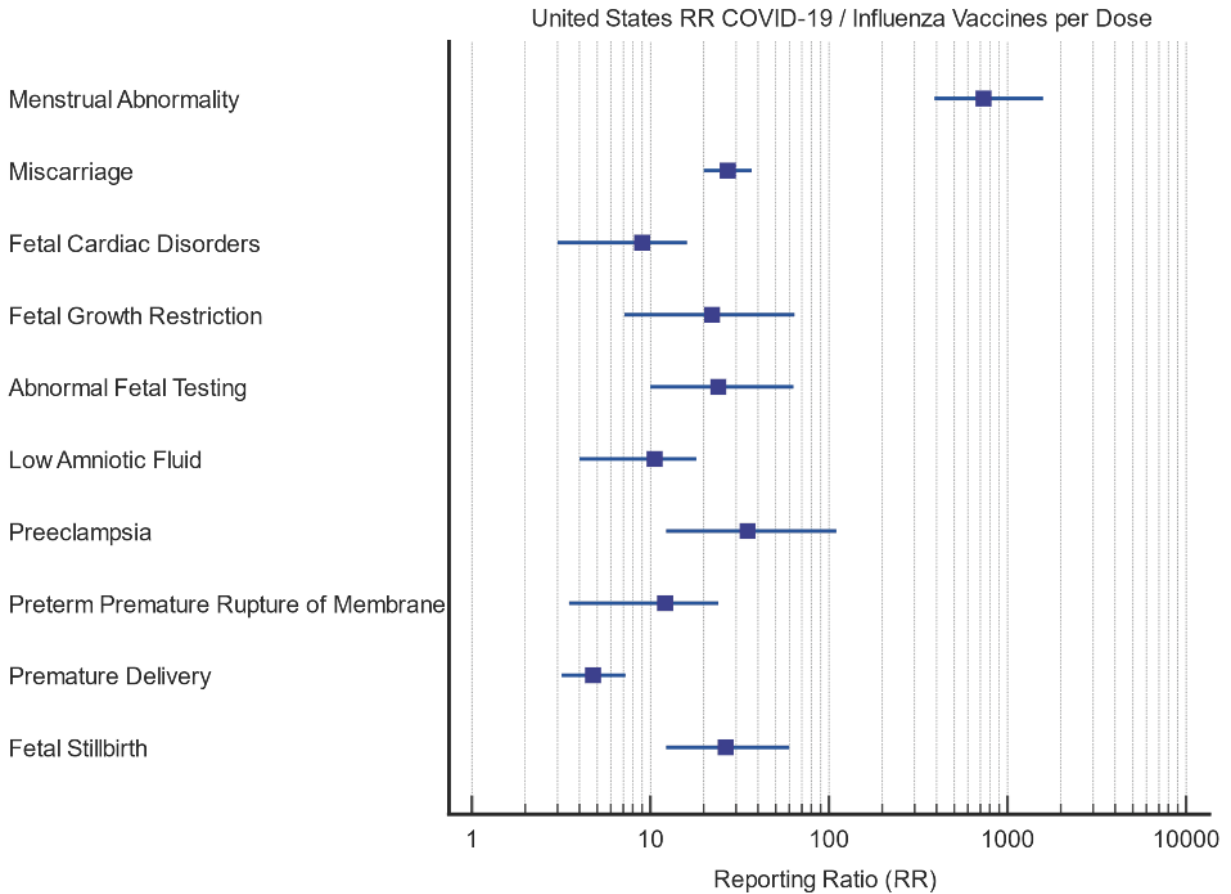


Figure 1 Supplement. U.S. Reporting Ratio (RR) for COVID-19 Vaccination vs. Influenza Vaccination by Dose Given.

Figure 2 Supplement shows U.S. RRs for COVID-19 vs. influenza vaccination by month. The RR (95% CI) values are: abnormal menses, 2524 (894.57-6420.0); miscarriage, 83 (50.8-143); fetal malformation, 2 (0-5); fetal cardiac disorders, 10 (4.00-17.0); fetal growth restriction, 43 (14.0-72.0); abnormal fetal testing, 68 (21.6-140); low amniotic fluid volume, 10.8 (14.5-18); preeclampsia, 73.8 (24.3-123); preterm premature rupture of membranes, 15.2 (5.5-25); premature delivery, 15.4 (8.0-31.6); and stillbirth, 82.1 (26.5-183).

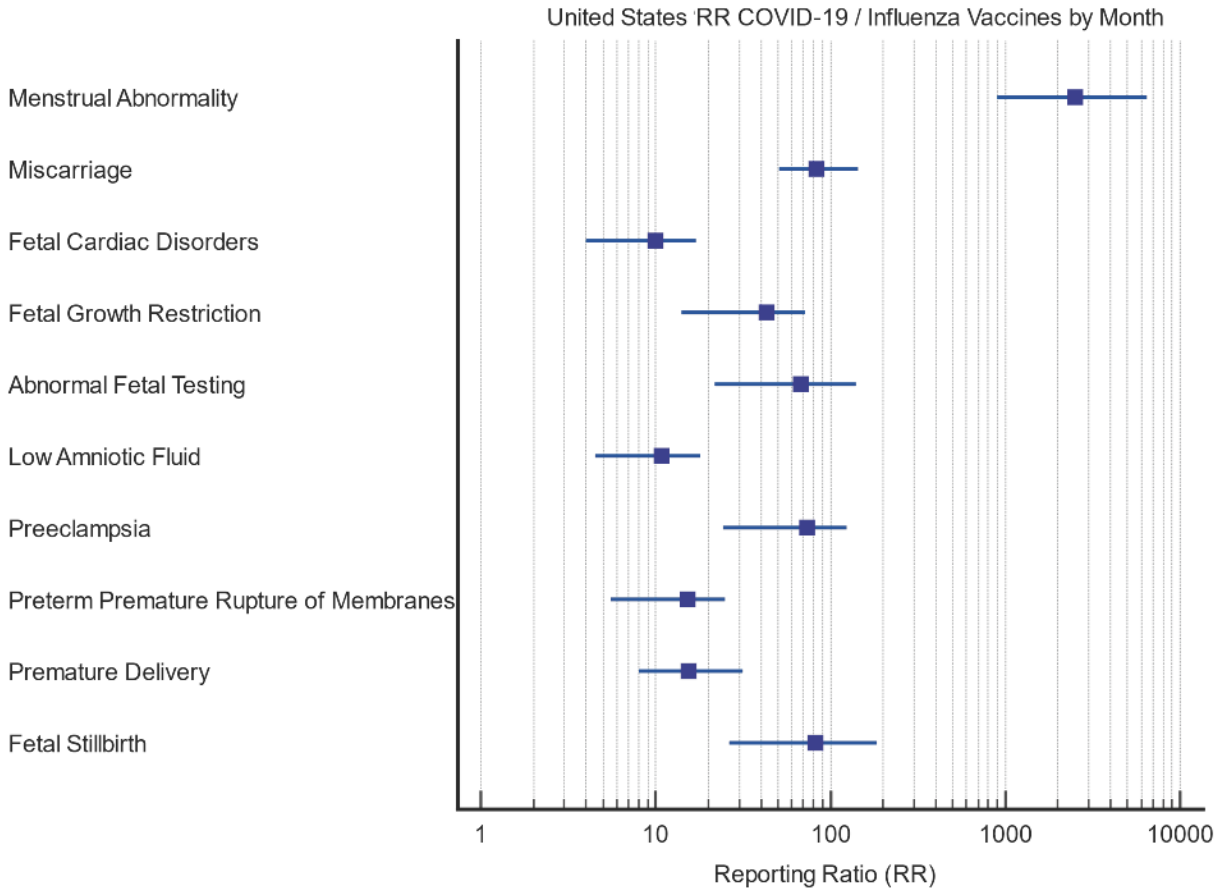


Figure 2 Supplement. U.S. Reporting Ratios (RRs) for COVID-19 vs. Influenza Vaccination by Month

Figure 3 Supplement displays U.S. RRs for COVID-19 vs. influenza vaccination by persons vaccinated. The RR (95% CI) values are: abnormal menses, 145 (109-197); miscarriage, 6 (5.0-6.7); fetal malformation, 2 (0-5) (RR cannot be calculated with zero); fetal cardiac disorders, 6 (1.5-15); fetal growth restriction, 4 (2.2-6.8); abnormal fetal testing, 4 (2.9-6.6); low amniotic fluid volume, 8.8 (2.5-17); preeclampsia, 6.2 (3.7-10); and stillbirth, 5 (3.4-7.2).

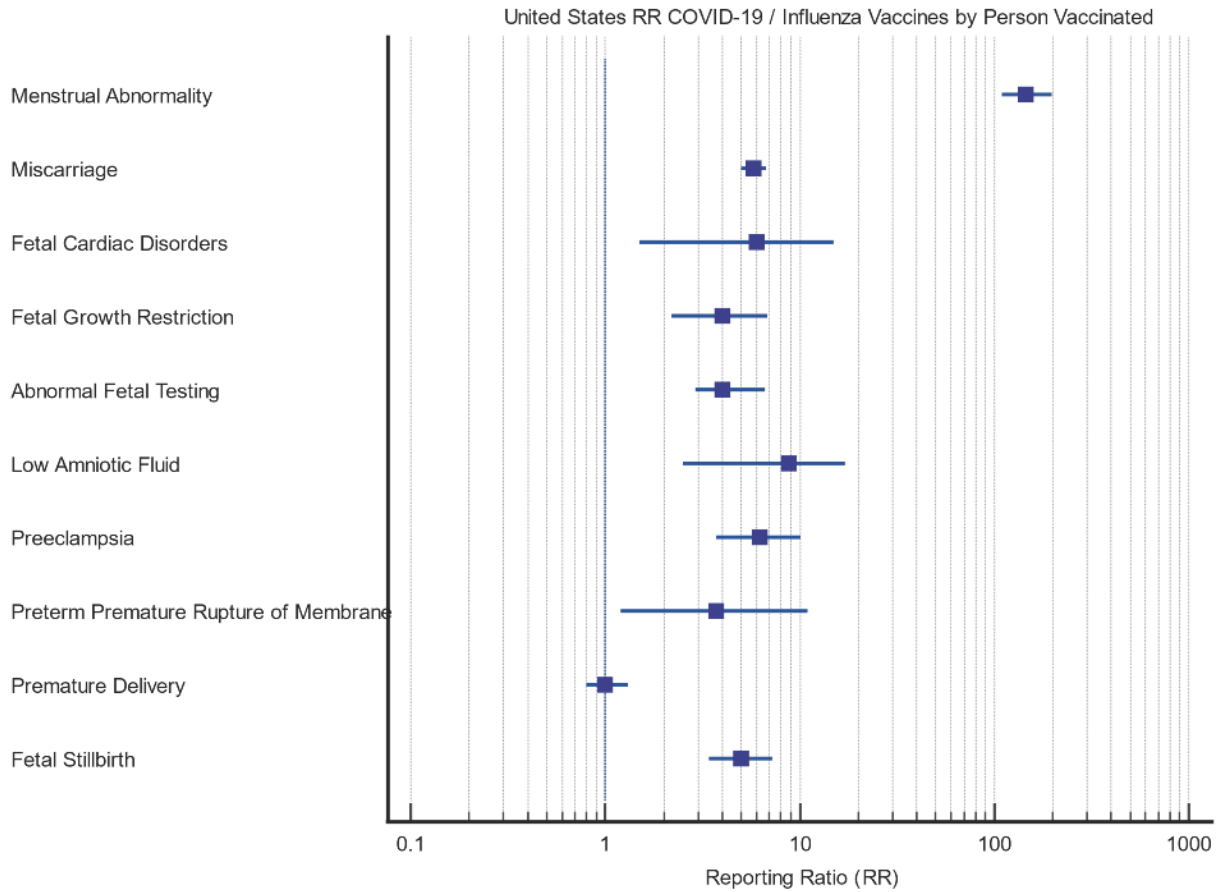


Figure 3 Supplement. U.S. Reporting Ratios (RRs) for COVID-19 vs. Influenza Vaccination by Persons Vaccinated