# AE Tables and Plots

| Adverse Event | US Count of AE reports post Vaccine | US Rate of reported AE (count/Month) | US Rate of reported AE (count/billion doses) | US Rate of reported AE (count/billion people vaccinated) |
| --- | --- | --- | --- | --- |
| Menstrual abnormality | 6352 54 | 353 0.184 | 10700 16.4 | 24400 173 |
| Miscarriage | 1232 259 | 68.4 0.881 | 2070 78.5 | 4740 827 |
| Fetal chromosomal abnormalities | 7 0 | 0.389 0.00 | 11.7 0.00 | 26.9 0.00 |
| Fetal malformation | 2 1 | 0.111 0.00340 | 3.35 0.303 | 7.69 3.19 |
| Fetal 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 0 | 0.167 0.00 | 5.03 0.00 | 11.5 0.00 |
| Fetal vascular mal-perfusion | 5 0 | 0.278 0.00 | 8.39 0.00 | 19.2 0.00 |
| Fetal growth abnormalities | 59 20 | 3.28 0.0680 | 99.0 6.06 | 227 63.9 |
| Fetal abnormal surveillance | 125 36 | 6.94 0.122 | 210 10.9 | 481 115 |
| Fetal placental thrombosis | 5 0 | 0.278 0.00 | 8.39 0.00 | 19.2 0.00 |
| Fetal 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 |

| Adverse Event | Global Count of AE reports post Vaccine | Global Rate of reported AE (count/Month) | Global Rate of reported AE (count/billion doses) | Global Rate of reported AE (count/billion people vaccinated) |
| --- | --- | --- | --- | --- |
| Menstrual abnormality | 12843 65 | 714 0.221 | 1060 0.985 | 2460 8.43 |
| Miscarriage | 3338 325 | 185 1.11 | 277 4.92 | 638 42.2 |
| Fetal chromosomal abnormalities | 10 0 | 0.556 0.00 | 0.829 0.00 | 1.91 0.00 |
| Fetal malformation | 22 2 | 1.22 0.00680 | 1.82 0.0303 | 4.21 0.259 |
| Fetal cystic hygroma | 8 0 | 0.444 0.00 | 0.663 0.00 | 1.53 0.00 |
| Fetal cardiac disorders | 18 2 | 1.00 0.00680 | 1.49 0.0303 | 3.44 0.259 |
| Fetal arrhythmia | 5 0 | 0.278 0.00 | 0.414 0.00 | 0.956 0.00 |
| Fetal cardiac arrest | 20 0 | 1.11 0.00 | 1.66 0.00 | 3.82 0.00 |
| Fetal vascular mal-perfusion | 12 0 | 0.667 0.00 | 0.994 0.00 | 2.29 0.00 |
| Fetal growth abnormalities | 188 24 | 10.4 0.0816 | 15.6 0.364 | 35.9 3.11 |
| Fetal abnormal surveillance | 178 45 | 9.89 0.153 | 14.7 0.682 | 34.0 5.84 |
| Fetal placental thrombosis | 6 0 | 0.333 0.00 | 0.497 0.00 | 1.15 0.00 |
| Fetal stillbirth | 402 64 | 22.3 0.218 | 33.3 0.970 | 76.9 8.30 |
| Low amniotic fluid | 17 1 | 0.944 0.00340 | 1.41 0.0152 | 3.25 0.130 |

| Adverse Event | Relative Rate (by time) | Relative Rate (by dose) | Relative Rate (by person vaccinated) |
| --- | --- | --- | --- |
| Menstrual abnormality | 4256.6 [1589.1-12893] p=0.0  2523.5 [894.57-6419.0] p=0.0 | 1191.9 [673.95-2162.8] p=0.0 738.1 [391.6-1584] p=0.0 | 298.1 [223.0-406.0] p=0.0 144.9 [108.6-197.4] p=0.0 |
| Miscarriage | 177.1 [114.4-283.5] p=0.0  83.4 [50.8-143] p=0.0 | 57.1 [44.3-74.7] p=0.0 26.9 [20.2-36.5] p=0.0 | 15.2 [13.3-17.5] p=0.0 5.8 [5.0-6.7] p=0.0 |
| Fetal chromosomal abnormalities | p=0.00058   p=0.0048 | p=0.00058  p=0.0048 | p=0.00058  p=0.0048 |
| Fetal malformation | 21.3 [10.0-32.0] p=1.9x10-07  2.0 [0.0-5.0] p=0.20 | 20.0 [7.67-31.0] p=1.9x10-07 1.9 [0.0-5.0] p=0.20 | 15.3 [4.50-30.0] p=2.1x10-06 1.6 [0.0-5.0] p=0.20 |
| Fetal cystic hygroma | p=0.0024   p=0.020 | p=0.0024  p=0.020 | p=0.0024  p=0.020 |
| Fetal cardiac disorders | 17.5 [8.00-27.0] p=2.6x10-06  9.70 [4.00-17.0] p=0.00058 | 16.4 [6.00-26.0] p=2.6x10-06 9.1 [3.0-16] p=0.00058 | 12.5 [3.60-25.0] p=2.7x10-05 6.4 [1.5-15] p=0.0047 |
| Fetal arrhythmia | p=0.020   p=0.088 | p=0.020  p=0.088 | p=0.020  p=0.088 |
| Fetal cardiac arrest | p=6.9x10-07   p=0.088 | p=6.9x10-07  p=0.088 | p=6.9x10-07  p=0.088 |
| Fetal vascular mal-perfusion | p=0.00015   p=0.020 | p=0.00015  p=0.020 | p=0.00015  p=0.020 |
| Fetal growth abnormalities | 126.3 [42.00-210.0] p=0.0  42.5 [14.0-72.0] p=0.0 | 56.2 [20.7-189] p=0.0 21.6 [7.14-64.0] p=0.0 | 12.4 [7.42-21.4] p=0.0 3.8 [2.2-6.8] p=3.2x10-07 |
| Fetal abnormal surveillance | 82.6 [26.9-193] p=0.0  68.0 [21.6-140] p=0.0 | 25.3 [12.2-58.7] p=0.0 23.6 [10.1-63.0] p=0.0 | 6.0 [4.1-9.0] p=0.0 4.3 [2.9-6.6] p=0.0 |
| Fetal placental thrombosis | p=0.0096   p=0.020 | p=0.0096  p=0.020 | p=0.0096  p=0.020 |
| Fetal stillbirth | 135.3 [48.25-412.0] p=0.0  82.2 [26.5-184] p=0.0 | 38.0 [21.1-73.0] p=0.0 26.3 [12.2-60.0] p=0.0 | 9.5 [6.9-13] p=0.0 5.0 [3.4-7.2] p=0.0 |
| Low amniotic fluid | 16.8 [8.00-25.0] p=5.1x10-06  10.9 [5.00-18.0] p=0.00029 | 16.2 [7.00-25.0] p=5.1x10-06 10.5 [4.00-18.0] p=0.00029 | 14.2 [4.67-25.0] p=5.1x10-06 8.8 [2.5-17] p=0.00029 |











