**Supplemental file for the manuscript, “Association of Spontaneous Abortion with Receipt of Inactivated Influenza Vaccine Containing H1N1pdm09 in 2010-11 and 2011-12” Donahue JG, et al.**

**Caption for supplemental information:**

“Supplementary information for this article (four tables and one figure) is available online.”

Supplemental Table 1. ICD-9 diagnosis codes for spontaneous abortion cases and controls

Supplemental Table 2. Selected demographic and medical characteristics of study subjects by influenza season of enrollment

Supplemental Table 3. Comparison of selected characteristics of the current IIV-SAB study with the previous IIV-SAB study

Supplemental Figure 1. Distribution of gestational age in weeks of the fetus at the time of SAB

**Supplemental Table 1. ICD-9 diagnosis codes for spontaneous abortion cases and controls**

|  |  |  |
| --- | --- | --- |
| **Case Codes** | | |
| 634 | All | Spontaneous abortion |
| 637 | All | Unspecified abortion |
| **Control Codes** | | |
| 644 | .20, .21 | Early onset of delivery |
| 645 | .11, .21 | Late pregnancy, delivered |
| 650 | All | Normal delivery |
| 651 | .01, .11, .21, .31, .41, .51, .61, .71, .81, .91 | Multiple gestation, delivered |
| 652 | .01, .11, .21, .31, .41, .51, .61, .71, .81, .91 | Malposition and malpresentation of fetus, delivered |
| 655 | .01, .11, .21, .31, .41, .51, .61, .71, .81, .91 | Known or suspected fetal abnormality affecting management of mother, delivered |
| 656 | .01, .11, .21, .31, .41, .51, .61, .71, .81, .91 | Other fetal and placental problems affecting management of mother, delivered |
| 659 | .01, .11, .21, .31, .41, .51, .61, .71, .81, .91 | Other indications for care or intervention related to labor and delivery |
| 660 | All | Obstructed labor |
| 661 | All | Abnormality of forces of labor |
| 662 | All | Long labor |
| 663 | All | Umbilical cord complications during labor and delivery |
| 669 | All | Other complications of labor and delivery not elsewhere classified |

**Supplemental** **Table 2. Selected demographic and medical characteristics of study subjects by influenza season of enrollmenta**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **2010-11** | **2011-12** | **Total** |
| Women enrolled in the study | 516 (53) | 454 (47) | 970 |
| Median age (IQR) | 32 (27-36) | 32 (28-36) | 32 (28-36) |
| Median BMI (IQR) | 25 (22-30) | 25 (22-30) | 25 (22-30) |
| At least 1 ultrasound | 483 (94) | 431 (95) | 914 (94) |
| Median number of ultrasounds (IQR) | 3 (2-5) | 3 (2-5) | 3 (2-5) |
| Tdap vaccination during pregnancy | 51 (10) | 52 (11) | 103 (11) |
| Vaccinated with IIV in the flu season in which the SAB for the matched pair occurred | 222 (43) | 200 (45) | 422 (44) |

aData are N (%) unless otherwise noted. IQR=interquartile range. BMI=body mass index. SAB=spontaneous abortion

**Supplemental** **Table 3.a Comparison of selected characteristics of the current IIV-SAB study with the previous IIV-SAB study1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristic** | **Previous study** | | **Current study** | |
|  | **Cases** | **Controls** | **Cases** | **Controls** |
| Mean age (years) | 31.7 | 29.3 | 31.8 | 31.2 |
| Parity (1+) | 64 | 64 | 57 | 56 |
| Previous SAB | 33 | 27 | 29 | 26 |
| Febrile illness in 1st trimester | 2 | 2 | 1 | 0 |
| Multiple gestation | 2 | 1 | 1 | 1 |
| Smoker | 10 | 10 | 11 | 7 |
| Diabetes | 4 | 0 | 1 | 2 |
| Asthma | 10 | 11 | 11 | 12 |
| Hypertension | 4 | 4 | 2 | 3 |
| 1 or more ultrasounds (cases only) | 82 |  | 89 |  |
| Median gestational age (weeks) of at time of SAB | 7.1 | NA | 7.0 | NA |
| Mean difference in LMP date between case and matched control (median) | -0.41 (0) | | -0.55 (0) | |

aNumbers are percent unless otherwise indicated. NA=Not applicable

1. Irving SA, Kieke BA, Donahue JG, et al. Trivalent inactivated influenza vaccine and spontaneous abortion. *Obstet Gynecol.* 2013;121:159–165.

**Supplemental** **Figure 1. Distribution of gestational age in weeks of the embryo/fetus at the time of SAB**