Supplementary table 1: Characteristics associated with missing height in the National Birth Defects Prevention Study control mothers

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Missing  N (%) | Not missing  N (%) | Crude Odds Ratio | 95% Confidence Interval | Adjusted Odds Ratioa | | 95% Confidence Interval |
| Total | 392 (3.9) | 9,683 (96.1) |  |  |  | |  |
| Maternal age at EDD |  |  |  |  |  | |  |
| <18 | 16 (4.6) | 335 (95.4) | Reference | | Reference | | |
| 18-24 | 155 (5.2) | 2,836 (94.8) | 1.1 | 0.7, 1.9 | 1.4 | 0.7, 2.8 | |
| 25-29 | 114 (4.1) | 2,663 (95.9) | 0.9 | 0.5, 1.5 | 1.3 | 0.6, 2.7 | |
| 30-34 | 79 (3.1) | 2,480 (96.9) | 0.7 | 0.4, 1.2 | 1.3 | 0.6, 2.6 | |
| 35+ | 28 (2.0) | 1,369 (98.0) | 0.4 | 0.2, 0.8 | 0.8 | 0.3, 1.7 | |
| Race/ethnicity |  |  |  |  |  |  | |
| Non-Hispanic white | 19 (0.3) | 5,843 (99.7) | Reference | | Reference | | |
| Non-Hispnaic black | 7 (0.6) | 1,102 (99.4) | 1.9 | 0.8, 4.7 | 0.4 | 0.1, 1.4 | |
| Hispanic | 347 (14.6) | 2,033 (85.4) | 52.5 | 33.0, 83.5 | 1.9 | 1.0, 3.6 | |
| Other | 19 (2.7) | 696 (97.3) | 8.4 | 4.4, 15.9 | 0.8 | 0.4, 1.9 | |
| Maternal education |  |  |  |  |  |  | |
| <12 years | 271 (16.3) | 1,397 (83.7) | 6.9 | 5.2, 9.1 | 2.7 | 2.0, 3.7 | |
| 12 years | 65 (2.7) | 2,310 (97.3) | Reference | | Reference | | |
| Some college | 18 (0.7) | 2,646 (99.3) | 0.2 | 0.1, 0.4 | 0.6 | 0.3, 1.0 | |
| College graduate | 10 (0.3) | 3,147 (99.7) | 0.1 | 0.1, 0.2 | 0.3 | 0.2, 0.7 | |
| Language of interview |  |  |  |  |  |  | |
| English | 121 (1.3) | 9,018 (98.7) | Reference | | Reference | | |
| Spanish | 240 (27.8) | 623 (72.2) | 55.0 | 33.4, 90.5 | 4.1 | 2.3, 7.2 | |
| Country of birth |  |  |  |  |  |  | |
| USA | 17 (0.2) | 7,813 (99.8) | Reference | | Reference | | |
| Other | 347 (17.0) | 1,693 (93.0) | 94.2 | 57.7, 153.7 | 17.2 | 9.6, 31.0 | |
| Parity |  |  |  |  |  |  | |
| First birth | 109 (2.7) | 3,894 (97.3) | Reference | | Reference | | |
| ≥Second birth | 269 (4.4) | 5,786 (95.6) | 1.6 | 1.3, 2.1 | 1.1 | 0.8, 1.5 | |
| Folic acid use (B1) |  |  |  |  |  |  | |
| No | 353 (5.2) | 6,501 (94.8) | Reference | | Reference | | |
| Yes | 25 (0.8) | 3,141 (99.2) | 0.1 | 0.1, 0.2 | 0.4 | 0.3, 0.7 | |
| Smoking (B1) |  |  |  |  |  |  | |
| No | 361 (4.4) | 7,774 (95.6) | Reference | | Reference | | |
| Yes | 7 (0.4) | 1,757 (99.6) | 0.1 | 0.0, 0.2 | 0.4 | 0.2, 0.8 | |
| Alcohol (B1) |  |  |  |  |  |  | |
| No | 336 (5.0) | 6,420 (95.0) | Reference | | Reference | | |
| Yes | 31 (1.0) | 3,074 (99.0) | 0.2 | 0.1, 0.3 | 0.7 | 0.5, 1.2 | |

EDD: estimated due date; B1: one month before conception

aEstimates are adjusted for all other variables presented in the table

Supplementary table 2: Characteristics associated with missing weight in the National Birth Defects Prevention Study control mothers

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Missing  N (%) | Not missing  N (%) | Crude Odds Ratio | 95% Confidence Interval | Adjusted Odds Ratioa | 95% Confidence Interval |
| Total | 86 (0.9) | 9,989 (99.2) |  |  |  |  |
| Maternal age at EDD |  |  |  |  |  |  |
| <18 | 4 (1.1) | 347 (98.9) | Reference | | Reference | |
| 18-24 | 31 (1.0) | 2,960 (99.0) | 0.9 | 0.3, 2.6 | 1.8 | 0.4, 8.3 |
| 25-29 | 24 (0.9) | 2,753 (99.1) | 0.8 | 0.3, 2.2 | 1.7 | 0.4, 8.4 |
| 30-34 | 20 (0.8) | 2,539 (99.2) | 0.7 | 0.2, 2.0 | 2.3 | 0.5, 11.3 |
| 35+ | 7 (0.5) | 1,390 (99.5) | 0.4 | 0.1, 1.5 | 2.1 | 0.4, 11.8 |
| Race/ethnicity |  |  |  |  |  |  |
| Non-Hispanic white | 18 (0.3) | 5,844 (99.7) | Reference | | Reference | |
| Non-Hispnaic black | 3 (0.3) | 1,106 (99.7) | 0.9 | 0.3, 3.0 | NA | NA |
| Hispanic | 55 (2.3) | 2,325 (97.7) | 7.7 | 4.5, 13.1 | 2.6 | 1.1, 6.2 |
| Other | 10 (11.4) | 705 (98.6) | 4.6 | 2.1, 10.0 | 2.5 | 0.9, 6.8 |
| Maternal education |  |  |  |  |  |  |
| <12 years | 35 (2.1) | 1,633 (97.9) | 2.4 | 1.4, 4.1 | 1.2 | 0.7, 2.2 |
| 12 years | 21 (0.9) | 2,354 (99.1) | Reference | | Reference | |
| Some college | 6 (0.2) | 2,658 (99.8) | 0.3 | 0.1, 0.6 | 0.3 | 0.1, 0.8 |
| College graduate | 6 (0.2) | 3,151 (99.8) | 0.2 | 0.1, 0.5 | 0.4 | 0.2, 1.0 |
| Language of interview |  |  |  |  |  |  |
| English | 57 (0.6) | 9,082 (99.4) | Reference | | Reference | |
| Spanish | 24 (2.8) | 839 (97.2) | 4.6 | 2.8, 7.4 | 0.9 | 0.4, 1.6 |
| Country of birth |  |  |  |  |  |  |
| USA | 23 (0.3) | 7,807 (99.7) | Reference | | Reference | |
| Other | 45 (2.2) | 1,995 (97.8) | 7.7 | 4.6, 12.7 | 2.7 | 1.3, 5.6 |
| Parity |  |  |  |  |  |  |
| First birth | 20 (0.5) | 3,983 (99.5) | Reference | | Reference | |
| ≥Second birth | 52 (0.9) | 6,003 (99.1) | 1.7 | 1.0, 2.9 | 1.3 | 0.7, 2.4 |
| Folic acid use (B1) |  |  |  |  |  |  |
| No | 68 (1.0) | 6,786 (99.0) | Reference | | Reference | |
| Yes | 7 (0.2) | 3,159 (99.8) | 0.2 | 0.1, 0.5 | 0.5 | 0.2, 1.1 |
| Smoking (B1) |  |  |  |  |  |  |
| No | 58 (0.7) | 8,077 (99.3) | Reference | | Reference | |
| Yes | 11 (0.6) | 1,753 (99.4) | 0.9 | 0.5, 1.7 | 1.7 | 0.8, 3.8 |
| Alcohol (B1) |  |  |  |  |  |  |
| No | 60 (0.9) | 6,696 (99.1) | Reference | | Reference | |
| Yes | 8 (0.3) | 397 (99.7) | 0.3 | 0.1, 0.6 | 0.6 | 0.3, 1.2 |

EDD: estimated due date; B1: one month before conception

aEstimates are adjusted for all other variables presented in the table