**Supplemental Digital Content 3. Characteristics of women in the propensity-score matched cohort**

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| **Characteristic** | **No Neuraxial Labor Analgesia (n=14,327)** | **Neuraxial Labor Analgesia (n=14,327)** | **Adjusted Standard Difference** |
| Maternal age, y |  |  | 0.033 |
| <20 | 1,001 (7.0) | 997 (7.0) |  |
| 20-34 | 10,985 (76.7) | 11,152 (77.8) |  |
| 35-39 | 1,932 (13.5) | 1,819 (12.7) |  |
| ≥40 | 409 (2.9) | 359 (2.5) |  |
| Race/ethnicity |  |  | 0.020 |
| Non-Hispanic White | 7,143 (49.9) | 7,240 (50.5) |  |
| Non-Hispanic Black | 1,801 (12.6) | 1,818 (12.7) |  |
| Non-Hispanic Asian | 1,490 (10.4) | 1,461 (10.2) |  |
| Hispanic | 3,458 (24.1) | 3,407 (23.8) |  |
| Other | 435 (3.0) | 401 (2.8) |  |
| Education |  |  | 0.020 |
| Less than high school | 2,288 (16.0) | 2,199 (15.3) |  |
| High school | 3,565 (24.9) | 3,524 (24.6) |  |
| Any postsecondary | 8,474 (59.1) | 8,604 (60.1) |  |
| Insurance |  |  | 0.026 |
| Medicaid | 6,314 (44.2) | 6,332 (44.2) |  |
| Private insurance | 6,676 (46.6) | 6,756 (47.2) |  |
| Self-pay | 693 (4.8) | 661 (4.6) |  |
| Other | 644 (4.5) | 578 (4.0) |  |
| Body mass index, kg/m2 |  |  | 0.027 |
| Underweight (<18.5) | 744 (5.2) | 745 (5.2) |  |
| Normal (18.5-24.9) | 7,318 (51.1) | 7,497 (52.3) |  |
| Overweight (25-29.9) | 3,633 (25.4) | 3,521 (24.6) |  |
| Obese (30-34.9) | 1,595 (11.1) | 1,538 (10.7) |  |
| Obesity class II (35-39.9) | 649 (4.5) | 650 (4.5) |  |
| Obesity class III (≥40) | 388 (2.7) | 376 (2.6) |  |
| Prior live births |  |  | 0.022 |
| None | 8,028 (56.0) | 8,181 (57.1) |  |
| ≥ 1 | 6,299 (44.0) | 6,146 (42.9) |  |
| Prior cesarean delivery | 711 (5.0) | 655 (4.6) | 0.018 |
| Trimester prenatal care initiated |  |  | 0.031 |
| 1st | 10,789 (75.3) | 10,930 (76.3) |  |
| 2nd | 2,596 (18.1) | 2,552 (17.8) |  |
| 3rd | 690 (4.8) | 607 (4.2) |  |
| No prenatal care | 252 (1.8) | 238 (1.7) |  |
| Preexisting or gestational diabetes | 836 (5.8) | 735 (5.1) | 0.031 |
| Gestational hypertension or preeclampsia | 680 (4.7) | 637 (4.4) | 0.014 |
| Induction of labor | 3,443 (24.0) | 3,355 (23.4) | 0.014 |
| Labor augmentation | 3,079 (21.5) | 2,990 (20.9) | 0.015 |
| Gestational age | 39.09±1.19 | 39.10±1.14 | 0.009 |
| US census region |  |  | 0.005 |
| North | 1,928 (13.5) | 1,903 (13.3) |  |
| Midwest | 3,436 (24.0) | 3,442 (24.0) |  |
| South | 4,293 (30.0) | 4,299 (30.0) |  |
| West | 4,670 (32.6) | 4,683 (32.7) |  |

Data presented as n (%) or mean ±SD