Supplementary Table S1: Outcomes for women with and without pre-pregnancy thyroid diseases.

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| --- | --- | --- | --- | --- |
| **Fertility and pregnancy complications**  | **N**  | **No pre-pregnancy thyroid diseases (N=16,122)** | **Pre-pregnancy thyroid diseases****(N=273)** | **P-value** |
| **Infertility treatment**  | 16,230 | 7.0 (1124) | 11.7 (31) | 0.004 |
| **Gestational diabetes** | 15,826 | 7.5 (1165) | 11.9 (32) | 0.006 |
| **Gestational age at birth (amenorrhea weeks)** | 16,302 | 39.6 ± 1.4 | 39.7 ± 1.3 | 0.73 |
| **Hospitalization during pregnancy** | 16,301 | 15.3 (2455) | 18.8 (51) | 0.12 |
| **Induction of labor** | 16,277 |   |   | 0.32 |
|  Spontaneous labor  |   | 72.1 (11535) | 68.8 (187) |   |
|  Induction |  | 19.3 (3084) | 20.2 (55) |  |
|  Pre-labor caesarean section |  | 8.7 (1386) | 11.0 (30) |  |
| **Mode of delivery**  | 16,154 |   |   | 0.45 |
| Vaginal delivery  |   | 69.7 (11073) | 66.8 (181) |   |
|  Assisted delivery\* |  | 12.9 (2041) | 12.9 (35) |  |
|  Caesarean section |  | 17.4 (2769) | 20.3 (55) |  |
| **Premature rupture of membranes**  | 16,067 | 9.8 (1553) | 12.3 (33) | 0.18 |
| **Birth weight (g)** | 16,198 | 3334.8 ± 478.4  | 3376 ± 460.3 | 0.16 |
| **Birth length (cm)** | 14,967 | 49.6 ± 2.1 | 49.9 ± 2.0 | 0.05 |
| **Head circumference (cm)** | 14,875 | 34.4 ± 1.4 | 34.4 ± 1.4 | 0.96 |
| **Birth weight categories\*\*** | 15,926  |   |   | 0.68 |
|  SGA |   | 9.3 (1459) | 7.8 (21) |   |
|  AGA  |  | 80.8 (12646) | 81.9 (221) |  |
|  LGA  |  | 9.9 (1551) | 10.4 (28) |  |

Data are % (n) or mean ± SD.

\* Assisted delivery: forceps, spatulas, vacuum

\*\*A customized standard to assess fetal growth: SGA, small for gestational age (< 10th percentile); AGA, appropriate for gestational age (10th to 90th percentile); LGA, large for gestational age (>90th percentile (see methods)