

Supplementary file

Title, Perinatal outcomes of maternal overweight and obesity in term infants: a population-based cohort study in Canada

Running title, Maternal BMI and perinatal outcomes

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Table S1. Risk factors for perinatal outcomes (macrosomia, low Apgar score, NICU admission, length of postnatal hospital stay) in term, singleton, low-risk pregnancies

| Risk Factors | aOR | 95%CI |
|---|------------|--------------|
| Macrosomia | | |
| Maternal overweight ¹ | 1.5 | 1.1 - 2.1 |
| Maternal obesity ² | 2.1 | 1.3 - 3.2 |
| Ethnicity ³ | 2.1 | 1.3 - 3.5 |
| Parity ⁴ | 1.8 | 1.3 - 2.5 |
| History of LGA | 4.9 | 1.8 - 13.3 |
| Gestational age ⁵ | 2.1 | 1.5 - 3.0 |
| Apgar score < 7 at 5min | | |
| Pregnancy complications ⁶ | 3.0 | 1.0 - 8.3 |
| Labour induction | 0.3 | 0.09 - 0.9 |
| Emergency caesarean section | 3.1 | 1.3 - 7.4 |
| Meconium in amniotic fluid | 2.7 | 1.1 - 6.4 |
| NICU admission | | |
| Maternal age ⁷ | 2.0 | 1.3 - 3.1 |
| Parity ⁸ | 1.7 | 1.0 - 2.6 |
| Emergency caesarean section | 2.8 | 1.5 - 3.5 |
| Low APGAR score at 5min ⁹ | 14.9 | 6.6 - 33.4 |
| Low birth weight ¹⁰ | 3.3 | 1.2 - 8.9 |
| Resuscitation at birth | 2.1 | 1.4 - 3.3 |
| Congenital anomaly | 1.8 | 1.0 - 3.3 |
| Length of postnatal hospital stay ≤ 24 h | | |
| Maternal overweight ¹ | 1.4 | 1.0 - 2.0 |
| Maternal age ¹¹ | 1.5 | 1.1 - 2.1 |

| | | |
|---|-------------|-------------------|
| Parity ² | 3.3 | 2.5 - 4.4 |
| Vaginal delivery | 11.9 | 3.6 - 39.5 |
| Length of postnatal hospital stay ≤ 48 h | | |
| Parity ² | 2.4 | 1.1 - 5.4 |
| Vaginal delivery | 16.9 | 7.4 - 38.7 |
| NICU admission | 0.09 | 0.02 - 0.3 |

¹Maternal BMI 25.00-29.99 kg/m²;

²Maternal BMI ≥ 30.00kg/m²;

³Caucasian ethnicity;

⁴Multiparity;

⁵Gestational age > 41 weeks at delivery;

⁶Pregnancy complications including gestational hypertension, preeclampsia, and gestational diabetes;

⁷Maternal age at delivery ≥ 35 years;

⁸Nulliparity;

⁹Apgar score less than 7 at 5 min;

¹⁰Birth weight ≤ 2500 g;

¹¹Maternal age < 35 years.