# **SUPPLEMENTARY MATERIAL**

**Table S1.** Frequency (%) of maternal and infant characteristics - complete dataset

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Patient status (%) | | | |
|  | Mixed  (N=229) | Other  (N=13) | Private  (N=1415) | Public  (N=1743) |
| Maternal Age |  |  |  |  |
| <20 | 0 | 0 | 0 | 0 |
| 25-29 | 90 | 62 | 91 | 94 |
| 30-34 | 10 | 38 | 9 | 6 |
| Private health insurance |  |  |  |  |
| No | 13 | 8 | 1 | 87 |
| Yes | 35 | 92 | 93 | 7 |
| Other/Not stated | 52 | 0 | 6 | 7 |
| Parity |  |  |  |  |
| Primaparas | 48 | 38 | 44 | 36 |
| Multiparas | 52 | 62 | 56 | 64 |
| Risk Category |  |  |  |  |
| High-risk | 49 | 92 | 43 | 40 |
| Low-risk | 51 | 8 | 57 | 60 |
| Gestational age |  |  |  |  |
| < 37 weeks | 7 | 8 | 4 | 4 |
| 37-41weeks | 92 | 92 | 95 | 93 |
| > 41 weeks | 1 | 0 | 1 | 2 |
| Birthweight |  |  |  |  |
| < 2.5 kg | 4 | 15 | 3 | 3 |
| 2.5 – 4.49 kg | 93 | 69 | 95 | 94 |
| 4.5 kg | 2 | 15 | 3 | 3 |
|  |  |  |  |  |

**Table S2.** Factors tested in formal parametric models

|  |  |
| --- | --- |
| Factor | Category |
| Maternal age | Demographic |
| SEIFA indices | Demographic |
| Occupation | Demographic |
| Rural, remote and metropolitan areas (RRMA) classification | Demographic |
| Aria+ group (area of residence) | Demographic |
| Health care card status | Demographic |
| Marital status | Demographic |
| Education | Demographic |
| Income | Demographic |
| Year of birth | Demographic |
| Alcohol pattern | Health behaviour |
| Smoking status | Health behaviour |
| Exercise | Health behaviour |
| Body mass index (BMI) | Health behaviour |
| Drug use | Health behaviour |
| Hospital visit for reasons other than pregnancy | Health service use |
| Hospital visit for pregnancy | Health service use |
| Access to medical specialists | Health service use |
| Access to hospital services | Health service use |
| Specialist use | Health service use |
| GP consultations | Health service use |
| Private health insurance status (hospital cover) | Health service use |
| Birth weight of baby (grams) | Obstetric |
| Mode of delivery | Obstetric |
| Intervention | Obstetric |
| Labour onset | Obstetric |
| Gestational age at birth (weeks) | Obstetric |
| Apgar score at 5 minutes | Obstetric |
| Presentation of baby at birth | Obstetric |
| Pain relief - general anaesthesia | Obstetric |
| Pain relief – epidural | Obstetric |
| Discharge status from hospital | Obstetric |
| Parity | Obstetric |
| Risk category | Obstetric |
| IVF | Obstetric |
| Infertility | Obstetric |
| Number of previous pregnancies | Obstetric |
| Adverse birth | Obstetric |
| Previous adverse birth | Obstetric |
| Postnatal depression | PPH\* |
| Depression scale (cesd10) | PPH |
| Social support indices | PPH |
| Urinary Tract Infection | PPH |
| Cancer | PPH |
| Stress from relationships | PPH |
| Stress related to motherhood | PPH |
| Intense anxiety | PPH |
| Stress | PPH |
| Endometrioses | PPH |
| Diabetes | PPH |
| Gestational hypertension | PPH |
| Hypertension | PPH |
| Pre-eclampsia | PPH |
| Anxiety | PPH |
| Stress about own health | PPH |
| Gestational diabetes | PPH |
| Asthma | PPH |
|  |  |

\* Psychosocial and physical health factors (PPH)