Supplementary file 2. Study flow diagram

Total number of records (2008-2015, Scotland) 454,973

Number of eligible records 168,144 (37.0%)

Number of records with complete covariate (maternal age, deprivation, smoking and weight status) data 135,860 (80.8%)

Number of records with complete data on conditions affecting pregnancy 132,899 (79.0%)

Number of records with complete data on conditions affecting delivery 132,282 (78.7%)

Number of records with complete data on delivery 129,773 (77.2%)

Ineligible
Mother aged <20 years: 25,803 (5.7%)
Mother aged ≥40 years: 17,052 (3.7%)
Twin pregnancy: 13,502 (3.0%)
Triplet pregnancy: 279 (0.1%)
Not primigravida: 252,543 (55.5%)

Missing
Gravidity: 1,868 (0.4%)

Missing
Age: 0 (0.0%)
Deprivation: 596 (0.4%)
Smoking status: 10,873 (6.5%)
Weight status: 28,067 (16.7%)

Missing
Gestational hypertension: 0 (0.0%)
Gestational diabetes: 2,961 (2.2%)
Pre-eclampsia: 0 (0.0%)

Missing
Placenta praevia: 0 (0.0%)
Placental abruption: 0 (0.0%)
Size for gestational age: 429 (0.3%)
Full, pre- or post-term: 188 (0.1%)

Missing
Mode of delivery: 1,030 (0.8%)
Apgar score: 1,510 (1.1%)