**Table S1** Available-case sensitivity analysis, according to antenatal suspicion of small-for-gestational age (SGA) or non-SGA

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | SGA susp | Non-SGA susp |
|  |  | n/N (%) | n/N (%) |
| Age at 12 weeks’ (years) | <20 | 180/5,259 (3.4%) | 3,286/159,972 (2.1%) |
| 20-24 | 638/5,259 (12.1%) | 15,055/159,972 (9.4%) |
| 25-34 | 2,813/5,259 (53.5%) | 87,099/159,972 (54.4%) |
| 35-39 | 988/5,259 (18.8%) | 34,233/159,972 (21.4%) |
| ≥40 | 285/5,259 (5.4%) | 07,875/159,972 (4.9%) |
| Missing | 355/5,259 (6.8%) | 12,424/159,972 (7.8%) |
| Ethnicity | Asian | 1,361/5,259 (25.9%) | 28,472/159,972 (17.8%) |
| Black | 740/5,259 (14.1%) | 21,249/159,972 (13.3%) |
| Mixed | 119/5,259 (2.3%) | 3,049/159,972 (1.9%) |
| White | 2,328/5,259 (44.3%) | 84,450/159,972 (52.8%) |
| Other | 417/5,259 (7.9%) | 13,254/159,972 (8.3%) |
| Missing | 294/5,259 (5.6%) | 9,498/159,972 (5.9%) |
| IMD quintile | 1 (least deprived) | 626/5,259 (11.9%) | 20,451/159,972 (12.8%) |
| 2 | 661/5,259 (12.6%) | 20,468/159,972 (12.8%) |
| 3 | 1,045/5,259 (19.9%) | 32,545/159,972 (20.3%) |
| 4 | 1,611/5,259 (30.6%) | 50,382/159,972 (31.5%) |
| 5 (most deprived) | 1,264/5,259 (24.0%) | 34,649/159,972 (21.7%) |
| Missing | 52/5,259 (1.0%) | 1,477/159,972 (0.9%) |
| BMI (kg/m2) | <18.5 | 284/5,259 (5.4%) | 3,374/159,972 (2.1%) |
| 18.5-24.9 | 2,345/5,259 (44.6%) | 64,875/159,972 (40.6%) |
| 25.0-29.9 | 1,071/5,259 (20.4%) | 36,731/159,972 (23.0%) |
| 30.0-34.9 | 411/5,259 (7.8%) | 15,591/159,972 (9.7%) |
| 35.0-39.9 | 155/5,259 (2.9%) | 5,362/159,972 (3.4%) |
| ≥40.0 | 73/5259 (1.4%) | 2,386/159972 (1.5%) |
| Missing | 920/5,259 (17.5%) | 31,653/159,972 (19.8%) |
| Parity | 0 | 2,664/5,259 (50.7%) | 71,740/159,972 (44.8%) |
| 1 | 1,324/5,259 (25.2%) | 43,500/159,972 (27.2%) |
| 2 | 479/5,259 (9.1%) | 17,000/159,972 (10.6%) |
| 3 | 201/5,259 (3.8%) | 6,413/159,972 (4.0%) |
| ≥4 | 135/5,259 (2.6%) | 5,130/159,972 (3.2%) |
| Missing | 456/5,259 (8.7%) | 16,189/159,972 (10.1%) |
| Smoking | Yes | 502/5,259 (9.5%) | 7,794/159,972 (4.9%) |
| Pre-existing co-morbidities | Chronic Hypertension | 114/5,259 (2.2%) | 1,782/159,972 (1.1%) |
| Pre-Existing Diabetes | 074/5,259 (1.4%) | 2,152/159,972 (1.3%) |
| Pregnancy complications | Gestational hypertension | 113/5,259 (2.1%) | 1,868/159,972 (1.2%) |
| Pre-eclampsia | 216/5,259 (4.1%) | 1,370/159,972 (0.9%) |
| Gestational diabetes | 242/5,259 (4.6%) | 6,549/159,972 (4.1%) |
| Cephalic presentation |  | 4214/5,259 (80.1%) | 134,049/159,972 (83.8%) |
| Missing | 670/5,259 (12.7%) | 20,278/159,972 (12.7%) |
| Gestational age at birth (weeks) | >24+0 to 27+6 | 99/5,259 (1.9%) | 630/159,972 (0.4%) |
| 28+0 to 31+6 | 219/5,259 (4.2%) | 798/159,972 (0.5%) |
| 32+0 to 36+6 | 969/5,259 (18.4%) | 6,912/159,972 (4.3%) |
| 37+0 to 39+6 | 2,949/5,259 (56.1%) | 77,853/159,972 (48.7%) |
| ≥40 | 1,023/5,259 (19.5%) | 73,779/159,972 (46.1%) |
| Missing | n/a (excluded) | n/a (excluded) |
| Birth weight percentile |  | 5,259 | 159,972 |
| Missing | 0% | 0% |
| Birth outcome | Stillbirth | 74/5,259 (1.4%) | 481/159,972 (0.3%) |
| Livebirth | 5,185/5,259 (98.6%) | 159,491/159,972 (99.7%) |
| Missing | n/a (excluded) | n/a (excluded) |

SGA, small-for-gestational-age; IMD, index of socioeconomic deprivation; BMI, body mass index; SB, stillbirth.

**Table S2** Characteristics of last ultrasound scan prior to birth, according to whether antenatal small-for-gestational age (SGA) was diagnosed correctly

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | TP | FN | TN | FP |
| EFW percentile at last USS | 3.3 (1.0-6.4) | 25.3 (16.5-37.7) | 56.3 (37.6-75.8) | 6.6 (4.0-8.6) |
| GA at last USS (weeks’) | 36.6 (35.1-38.0) | 36.1 (34.9-37.7) | 36.0 (34.4-37.0) | 36.4 (35.1-37.9) |
| Last USS-birth interval (weeks’) | 1.0 (0.3-2.0) | 3.4 (1.7-5.3) | 3.1 (1.7-5.0) | 1.1 (0.4-2.3) |

*TP, true positive; FN, false negative; TN, true negative; FP, false positive; EFW, estimated fetal weight; USS, ultrasound scan; GA, gestational age*