

Table S1. Comparison of characteristics between women with known BMI and women with missing BMI

| Variable | Women with known BMI (n=42,590) | | Women with missing BMI (n=10,674) | | p value |
|----------------------|------------------------------------|-------|--------------------------------------|-------|---------|
| | n | % | n | % | |
| Diabetes | | | | | <0.001 |
| Yes | 1162 | 2.7 | 66 | 0.6 | |
| No | 41428 | 97.3 | 10608 | 99.4 | |
| Ethnicity | | | | | 0.001 |
| White | 21,148 | 50.3 | 5,285 | 50.7 | |
| S Asian | 2,367 | 5.6 | 590 | 5.7 | |
| E Asian | 1,347 | 3.2 | 276 | 2.6 | |
| Black | 13,786 | 32.8 | 3,527 | 33.8 | |
| Other | 3,365 | 8.0 | 754 | 7.2 | |
| <i>Missing</i> | 577 | | 242 | | |
| Maternal Age | | | | | <0.001 |
| <20 | 1,603 | 3.8 | 436 | 4.1 | |
| 20-24 | 5,849 | 13.7 | 1,366 | 12.8 | |
| 25-29 | 9,794 | 23.0 | 2,327 | 21.8 | |
| 30-34 | 14,062 | 33.0 | 3,399 | 31.8 | |
| 35-39 | 8,952 | 21.0 | 2,484 | 23.3 | |
| 40+ | 2,330 | 5.5 | 662 | 6.2 | |
| <i>Mean age (SD)</i> | 31.5 | (5.9) | 31.8 | (6.0) | |
| Parity | | | | | <0.001 |
| Nulliparous | 24,032 | 56.5 | 6811 | 63.9 | |
| Parity 1 | 11,048 | 26.0 | 2137 | 20.0 | |
| Parity 2+ | 7454 | 17.5 | 1711 | 16.1 | |
| <i>Missing</i> | 56 | | 15 | | |
| Deprivation | | | | | <0.001 |
| 1 (least deprived) | 1123 | 2.7 | 512 | 4.8 | |
| 2 | 2207 | 5.2 | 849 | 8.0 | |
| 3 | 4701 | 11.1 | 1369 | 13.0 | |
| 4 | 19,570 | 46.2 | 4413 | 41.8 | |
| 5 (most deprived) | 14,720 | 34.8 | 3415 | 32.3 | |
| <i>Missing</i> | 269 | | 116 | | |