

Appendix 2. Characteristics of the study population according to missing data (n=3,715,394)

Measure	Study cohort (n=3,427,450)	Infants with missing data (n=287,944)	Difference
Antenatal Factors			
Male	1,671,005 (48.8%)	140,285 (48.7%)	-0.03% (-0.02% to 0.02)
Birthweight (g)	3592 (\pm 491)	3491 (\pm 485)	-102 (-104 to 100)
Maternal pre-eclampsia	154,271 (4.5%)	7,186 (2.5%)	-2.0% (-2.1 to -1.9%)
Intrapartum Factors			
Maternal Infection	23,332 (0.7%)	2,446 (0.9%)	1.7% (1.4% to 2.0%)
Neonatal Infection	16,459 (0.5%)	1,758 (0.6%)	0.12% (0.10% to 1.5%)
Caesarean Section	380,107 (11.1%)	37,722 (13.1%)	2.0% (1.9% to 2.1%)
Demographic factors			
Maternal Age	28.0 (\pm 5.2)	28.2 (\pm 5.5)	0.11 (0.10 to 0.13)
Primiparae	1,445,556 (42.2%)	124,058 (43.1%)	0.9% (0.7% to 1.1%)
Maternal Occupation			
Manual	1,107,757 (32.3%)	12,014 (39.1%)	6.8% (6.3% to 7.3%)
Non-manual	1,239,811 (36.2%)	7,446 (24.3%)	-13.0% (-12.5% to -11.4%)
Other	1,079,882 (31.5%)	11,249 (36.6%)	5.1% (4.6% to 5.6%)
Maternal Education Status			
<9 Years	99,800 (2.9%)	33,916 (13.4%)	10.5% (10.4% to 10.5%)
9-10 Years	303,741 (8.9%)	23,625 (9.3%)	0.5% (0.3% to 0.6%)
Full Secondary	1,623,372 (47.4%)	89,140 (35.2%)	-12.2% (-12.4% to -12.0%)
Higher Education	1,400,537 (40.9%)	106,850 (42.1%)	1.3% (1.1% to 1.5%)
Encephalopathy	4680 (0.14%)	424 (0.15%)	0.01% (-0.02% to 0.03%)

Values are number (%), mean (\pm SD) or mean difference (CI) as appropriate.