

1 **S2 Table. Characteristics of the study population according to gestational age (n=1,030,168)**

Measure	Gestational Age								
	37	38	39	40	41	42	43	44	45
Antenatal Factors									
Male	31,148 (52.5%)	75,633 (51.0%)	128,183 (50.2%)	152,301 (50.6%)	98,568 (52.1%)	36,656 (54.6%)	3,824 (54.6%)	334 (53.4%)	72 (47.7%)
Birthweight (g)	3090 (457)	3319 (447)	3499 (440)	3651 (449)	3775 (462)	3865 (478)	3876 (497)	3830 (502)	3606 (585)
Pre-eclampsia	1856 (3.1%)	3126 (2.1%)	4285 (1.7%)	4277 (1.7%)	2545 (1.4%)	852 (1.3%)	82 (1.2%)	5 (0.8%)	2 (2.0%)
Intrapartum Factors									
Maternal Infection	317 (0.53%)	843 (0.57%)	1111 (0.44%)	1207 (0.40%)	775 (0.41%)	300 (0.45%)	28 (0.40%)	5 (0.80%)	1 (0.66%)
Neonatal Infection	281 (0.37%)	253 (0.17%)	429 (0.17%)	599 (0.20%)	457 (0.24%)	215 (0.32%)	28 (0.40%)	3 (0.48%)	2 (1.32%)
Caesarean Section	12,438 (21.0%)	33,400 (22.5%)	18,883 (7.4%)	14,077 (4.6%)	11,305 (6.0%)	6,581 (10.2%)	1,193 (17.0%)	104 (16.6%)	14 (9.3%)
Demographic factors									
Maternal Age (years)	28.6 (4.7)	28.6 (4.6)	28.3 (4.5)	28.4 (4.5)	28.5 (4.5)	28.5 (4.5)	28.4 (4.6)	27.8 (4.6)	27.3 (4.2)
Primiparae	23,506 (39.6%)	55,213 (37.2%)	98,595 (38.6%)	120,144 (39.6%)	80,280 (42.5%)	31,547 (47.0%)	3827 (54.6%)	329 (52.6%)	62 (41.1%)
Maternal Occupation									
Manual	6465 (10.9%)	16,238 (11.0%)	26,960 (10.6%)	31,382 (10.4%)	19,088 (10.1%)	6918 (10.3%)	754 (10.8%)	79 (12.6%)	22 (14.6%)
Non-manual	19,975 (33.7%)	48,546 (32.7%)	82,545 (32.3%)	94,677 (31.2%)	57,604 (30.5%)	20,419 (30.4%)	2126 (30.4%)	208 (33.3%)	66 (43.7%)
Other	32,873 (55.4%)	83,536 (56.3%)	145,800 (57.1%)	177,171 (58.4%)	112,361 (59.4%)	39,827 (59.3%)	4126 (58.9%)	338 (54.1%)	63 (41.7%)
Maternal Education									
<9 Years	7852 (13.2%)	18,382 (12.4%)	29,071 (11.4%)	32,310 (10.7%)	19,458 (10.3%)	7093 (10.6%)	775 (11.1%)	82 (13.1%)	24 (15.9%)
9-10 Years	31,122 (52.5%)	76,582 (51.6%)	131,672 (51.6%)	155,067 (51.1%)	95,188 (50.4%)	33,921 (50.5%)	3509 (50.1%)	334 (53.4%)	88 (58.3%)
Full Secondary	19,929 (33.6%)	52,340 (35.3%)	92,737 (36.3%)	113,501 (37.4%)	72,897 (38.6%)	25,642 (38.2%)	2670 (38.1%)	205 (32.8%)	37 (24.5%)
Higher Education	410 (0.70%)	1016 (0.7%)	1825 (0.71%)	2353 (0.8%)	1510 (0.80%)	508 (0.8%)	52 (0.7%)	4 (0.6%)	2 (1.3%)
Birth Characteristics									
Apgar Score									
1 minute	8.65 (8.64-8.67)	8.77 (8.77-8.78)	8.78 (8.78-8.79)	8.73 (8.73-8.74)	8.64 (8.63-8.64)	8.48 (8.47-8.49)	8.33 (8.28-8.38)	8.42 (8.29-8.57)	8.54 (8.22-8.87)
5 minute	9.67 (9.66-9.68)	9.75 (9.75-9.76)	9.78 (9.77-9.78)	9.76 (9.75-9.76)	9.72 (9.71-9.72)	9.65 (9.64-9.66)	9.58 (9.55-9.61)	9.57 (9.45-9.68)	9.73 (9.58-9.87)
Encephalopathy	37 (0.06%)	43 (0.03%)	60 (0.02%)	101 (0.03%)	67 (0.04%)	40 (0.06%)	7 (0.10%)	1 (0.16%)	0 (0.00%)

2 Values are number (%), mean (\pm SD) or geometric mean (95% confidence interval) as appropriate

3 All p values <0.001