

1 **S1 Table. Characteristics of the study population according to missing data**

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Measure		Study cohort	Infants with missing data		p
Antenatal Factors	n	Summary Measure	n	Summary Measure	
Gestation at birth (weeks)	1,030,168	39.6 (1.3)	19,329	39.6 (1.4)	0.1154
Male	1,030,168	527719 (51.2%)	19,329	9922 (51.3%)	0.7109
Birthweight (g)	1,030,168	3571 (494)	17,407	3460 (482)	<0.0001
Maternal pre-eclampsia	1,030,168	17,031 (1.7%)	19,329	287 (1.5%)	0.0686
Intrapartum Factors					
Maternal Infection	1,030,168	4587 (0.5%)	19,329	62 (0.3%)	0.0098
Neonatal Infection	1,030,168	2204 (0.2%)	19,329	41 (0.2%)	0.9563
Caesarean Section	1,030,168	98,265 (9.5%)	19,329	1914 (9.9%)	0.0884
Demographic factors					
Maternal Age (years)	1,030,168	28.4 (4.5)	19,329	27.5 (4.5)	<0.0001
Primiparae	1,030,168	413,503 (40.1%)	19,329	11,355 (58.8%)	<0.0001
Maternal Occupation	1,030,168		6,931		<0.0001
Manual		107,907 (10.5%)		2228 (32.2%)	
Non-manual		326,166 (31.7%)		2,282 (32.9%)	
Other		596,095 (57.9%)		2,321 (33.5%)	
Maternal Education Status	1,030,168		12,794		<0.0001
<9 Years		115,047 (11.2%)		2952 (23.1%)	
9-10 Years		527,483 (51.2%)		5,178 (40.5%)	
Full Secondary		379,958 (36.9%)		4,494 (35.1%)	
Higher Education		7,680 (0.8%)		170 (1.3%)	
Birth Characteristics					
Apgar Score					
1 minute	1,021,063	8.71 (8.70-8.71)	18,831	8.69 (8.66-8.71)	0.9725
5 minute	1,007,976	9.74 (9.94-9.74)	18,656	9.75 (9.74-9.77)	<0.0001
Encephalopathy	1,030,168	356 (0.03%)	19,329	11 (0.06%)	0.0996
Outcomes					
Epilepsy	1,030,168	4595 (0.5%)	19,329	73 (0.4%)	0.1570
Disability Pension	1,030,168	26,074 (2.5%)	19,329	364 (1.9%)	<0.0001
Child Mortality	1,030,168	2,962 (0.3%)	19,329	70 (0.4%)	0.0555

3 Values are number (%) or mean (\pm SD) as appropriate.