

**Table 1. Maternal characteristics according to maternal race/skin colour (N=21,261,936), including children of mothers of Asian descent.**

	Maternal ethnic-racial group					
	Indigenous n (%)	Black n (%)	Parda n (%)	Asian descendent n (%)	White n (%)	Total n (%)
<b>Children, by maternal skin color</b>	173,810 (0.8)	1,205,157 (5.7)	11,906,994 (56.0)	88,671 (0.4)	7,887,304 (37.1)	21,261,936 (100)
<b>Maternal characteristic at delivery</b>						
Schooling, years						
0	19,938 (11.5)	7683 (0.6)	71,510 (0.6)	327 (0.4)	10,689 (0.1)	110,147 (0.5)
1 to 3	19,303 (11.1)	42,350 (3.5)	402,274 (3.4)	1,515 (1.7)	94,276 (1.2)	559,718 (2.6)
4 to 7	52,925 (30.5)	261,045 (21.7)	2,612,265 (21.9)	10,769 (12.1)	887,659 (11.3)	3,824,663 (18.0)
≥ 8	74,643 (43.0)	881,423 (73.1)	8,652,536 (72.7)	74,939 (84.5)	6,838,915 (86.7)	16,522,456 (77.7)
Missing	7,001 (4.0)	12,656 (1.1)	168,409 (1.4)	1,121 (1.3)	55,765 (0.7)	244,952 (1.2)
Marital status						
Married/Cohabiting	32,264 (53.1)	551,062 (45.7)	6,287,178 (52.0)	54,090 (61.0)	4,877,340 (61.8)	11,861,934 (55.8)
Widow/Separated	928 (0.5)	14,699 (1.2)	124,325 (1.0)	1,858 (2.1)	140,596 (1.8)	282,406 (1.3)
Single	77,447 (44.6)	631,330 (0.7)	5,409,964 (45.4)	32,168 (36.3)	2,835,474 (35.9)	8,986,383 (42.3)
Missing	3,171 (1.8)	8,066 (0.7)	85,527 (0.7)	555 (0.6)	33,894 (0.4)	131,213 (0.6)
Age						
< 20 years	50,791 (29.2)	200,301 (16.6)	2,470,035 (20.7)	11,485 (12.9)	995,186 (12.6)	3,727,798 (17.5)
20-34 years	105,245 (60.6)	839,715 (69.7)	8,119,485 (68.2)	60,608 (68.4)	5,564,210 (70.5)	14,689,263 (69.1)
35-49 years	17,356 (10.0)	164,938 (13.7)	1,315,774 (11.0)	16,550 (18.7)	1,326,645 (16.8)	2,841,263 (13.4)
≥ 50 years	375 (0.2)	137 (0.0)	1,161 (0.0)	21 (0.0)	851 (0.0)	2,545 (0.0)
Missing	43 (0.0)	66 (0.0)	539 (0.0)	7 (0.0)	412 (0.0)	1,067 (0.0)
Parity						
0	45,191 (26.0)	461,682 (38.3)	4,486,795 (37.7)	40,508 (45.7)	3,720,977 (47.2)	8,755,153 (41.2)
1	38,248 (22.0)	354,868 (29.5)	3,631,954 (30.5)	29,018 (32.7)	2,585,531 (32.8)	6,639,619 (31.2)
2	27,091 (15.6)	182,734 (15.2)	1,774,163 (14.9)	10,519 (11.9)	921,574 (11.7)	2,916,081 (13.7)
3 or more	57,661 (33.2)	161,075 (13.4)	1,379,500 (11.6)	5,486 (6.2)	461,350 (5.9)	2,065,072 (9.7)
Missing	5,619 (3.2)	44,798 (3.7)	634,582 (5.3)	3,140 (3.5)	197,872 (2.5)	886,011 (4.2)
Prenatal consultations, number						

0	9,015 (5.2)	25,675 (2.1)	219,137 (1.8)	1,069 (1.2)	76,142 (1.0)	331,038 (1.6)
1 to 3	35,155 (20.2)	93,945 (7.8)	919,071 (7.7)	4,558 (5.1)	268,273 (3.4)	1,321,002 (6.2)
4 or more	128,345 (73.8)	1,076,646 (89.3)	10,702,057 (89.9)	82,662 (93.2)	7,506,203 (95.2)	19,495,913 (91.7)
Missing	1,295 (0.8)	8,891 (0.7)	66,729 (0.6)	382 (0.4)	36,686 (0.5)	113,983 (0.5)
<b>Type of delivery</b>						
Vaginal	138,819 (79.9)	617,837 (51.3)	5,972,707 (50.2)	37,970 (42.8)	2,642,783 (33.5)	9,410,116 (44.3)
Cesarian	34,825 (20.0)	586,509 (48.7)	5,925,532 (49.8)	50,642 (57.1)	5,241,061 (66.5)	11,838,569 (55.7)
Missing	166 (0.1)	811 (0.1)	8,755 (0.1)	59 (0.1)	3,460 (0.0)	13,251 (0.1)
<b>Pregnancy outcomes</b>						
<b>Gestational age</b>						
22-36 weeks	25,951 (14.9)	133,364 (11.1)	1,266,627 (10.6)	9,062 (10.2)	790,255 (10.0)	2,225,259 (10.5)
37-41 weeks	138,500 (79.7)	1,035,412 (85.9)	10,189,759 (85.6)	77,491 (87.4)	6,939,887 (88.0)	18,381,049 (86.4)
≥ 42 weeks	9,359 (5.4)	36,381 (3.0)	450,608 (3.8)	2,118 (2.4)	157,162 (2.0)	655,628 (3.1)
Missing						
<b>Birthweight</b>						
<2500g	12,712 (7.3)	104,017 (5.6)	865,265 (7.3)	6,693 (7.5)	569,119 (7.2)	1,557,806 (7.3)
≥2500g	161,098 (92.7)	1,101,140 (91.4)	11,041,729 (92.7)	81,978 (92.4)	7,318,185 (92.8)	19,704,130 (92.7)
Missing						
<b>Birthweight, centile</b>						
< 3rd	8,649 (5.0)	40,103 (3.3)	364,700 (3.1)	2,214 (2.5)	175,481 (2.2)	591,147 (2.8)
≥ 3rd a < 10th	11,072 (6.4)	72,630 (6.0)	643,253 (5.4)	4,443 (5.0)	360,371 (4.6)	1,091,769 (5.1)
≥ 10th a < 90th	116,293 (66.9)	886,710 (73.6)	8,708,227 (73.1)	68,062 (76.8)	5,981,894 (75.8)	15,761,186 (74.1)
≥ 90th	34,769 (20.0)	203,978 (16.9)	2,176,539 (18.3)	13,886 (15.8)	1,363,090 (17.3)	3,792,262 (17.8)
Missing	3,027 (1.7)	1,736 (0.1)	14,275 (0.1)	66 (0.1)	6,468 (0.1)	25,572 (0.1)
<b>Early neonatal death</b>						
No	172,494 (99.2)	1,198,360 (99.4)	11,844,597 (99.5)	88,356 (99.6)	7,854,799 (99.6)	21,158,606 (99.5)
Yes	1,316 (0.8)	6,797 (0.6)	62,397 (0.5)	315 (0.4)	32,505 (0.4)	103,330 (0.5)

Figure S1: Preterm birth, LBW, SGA and early neonatal mortality rates by maternal race/skin colour group, including children of mothers of Asian descent.



**Table 2. Preterm birth, LBW (term), SGA and early neonatal death (children of mothers of Asian descent related to White).**

	<b>Asian decendent</b>		
	No adjustment		Adjustment <sup>1,2</sup>
<b>Preterm birth</b>	2.0% (0.0-3.8)	1.8% (0.1-3.7)	0.7% (-0.1-2.7)
<b>LBW (term)</b>	8.2% (4.9-11.4)	8% (4.7-11.3)	6.9% (3.5-10.2)
<b>SGA birth</b>	9.5% (7.3-11.6)	8.9% (6.8-11.0)	6.9% (4.7-9.1)
<b>Early neonatal death</b>	-16.0% (-29.6 to -3.8)	-16.7% (-30.5 to -4.4)	-18.7% (-31.9 to -6.0)

Data are % (95% CI)

<sup>1</sup>Mother's schooling. Compared with white women.

<sup>2</sup>Age of mother, parity, delivery

**Table 3. Preterm birth, LBW term, SGA and early neonatal death attributable to maternal race/skin colour inequality in Brasil in 2012-19 (data for Figure 3)**

	Number of women in the group	Number of women with the outcome	Outcome rate	Number of women with the outcome if the rate were proportionally equal to that of the reference group	Excess outcome	Attributable fraction
<b>Preterm birth</b>						
Maternal race/skin colour						
White	7887304	790255	10,0	790255	Ref	
Asian descent	88671	9062	10,2	8867	195	2,2
Indigenous people	173810	25951	14,9	17381	8570	33,0
Black	1205157	133364	11,1	120516	12848	9,6
Parda	11906994	1266627	10,6	1190699	75928	6,0
<i>Total</i>					97541	
<b>Low birthweight (term)</b>						
Maternal race/skin colour						
White	7887304	569119	7,2	569119	Ref	
Asian descent	88671	6693	7,5	6384	309	4,6
Indigenous people	173810	12712	7,3	12514	198	1,6
Black	1205157	104017	8,6	86771	17246	16,6
Parda	11906994	865265	7,3	857304	7961	0,9
<i>Total</i>					25713	
<b>SGA</b>						
Maternal race/skin colour						
White	7887304	535852	6,8	535852	Ref	
Asian descent	88671	6657	7,5	6030	627	9,4
Indigenous people	173810	19721	11,3	11819	7902	40,1
Black	1205157	112733	9,4	81951	30782	27,3
Parda	11906994	1007953	8,5	809676	198277	19,7
<i>Total</i>					237589	
<b>Early neonatal death</b>						
Maternal race/skin colour						
White	7887304	32505	0,4	32505	Ref	
Asian descent	88671	315	0,4	355	-40	-12,6
Indigenous people	173810	1316	0,8	695	621	47,2
Black	1205157	6797	0,6	4821	1976	29,1
Parda	11906994	62397	0,5	47628	14769	23,7
<i>Total</i>					17326	

**Table 4. Attributable fractions of preterm birth, LBW, SGA and early neonatal mortality by mother's schooling and maternal race/skin colour group, including children of mothers of Asian descent.**

		<b>Maternal race/skin colour groups</b>				
		White	Indigenous	Black	Parda	Asian descent
<b>Preterm birth</b>						
Mother Schooling						
	≥8	Ref	21.0 (19.5-22.5)	5.8 (5.2-6.5)	1.4 (1.1-1.7)	-0.4 (-2.7 to -1.8)
	4 to 7	11.0 (10.4-11.6)	31.7 (30.3-33.1)	15.0 (14.0-15.9)	14.0 (13.6-14.4)	1.7 (13.0-21.6)
	1 to 3	15.0 (13.5-16.5)	34.0 (31.7-36.1)	21.0 (19.0-23.0)	18.4 (17.6-19.2)	10.7 (-2.7-22.4)
	0	22.1 (18.3-25.8)	27.8 (25.1-30.3)	22.8 (18.3-27.0)	18.2 (16.5-19.8)	8.1 (-24.4-32.1)
<b>LBW (term)</b>						
Mother Schooling						
	≥8	Ref	16.2 (12.7-19.6)	22.3 (21.3-23.2)	10.7 (10.2-11.3)	7.1 (3.1-11.0)
	4 to 7	26.3 (25.3-27.2)	31.9 (28.8-35.0)	39.5 (38.2-40.7)	29.8 (29.2-30.5)	26.1 (18.2-33.3)
	1 to 3	36.5 (34.4-38.6)	39.8 (35.3-43.9)	47.5 (45.1-49.8)	37.7 (35.9-38.2)	39.5 (22.8-52.6)
	0	43.3 (38.1-48.1)	64.1 (62.0-66.0)	53.0 (48.4-57.3)	46.4 (44.4-48.4)	25.3 (-32.9-58.0)
<b>SGA</b>						
Mother Schooling						
	≥8	Ref	21.1 (19.2-23.0)	24.5 (23.9-25.0)	16.4 (16.1-16.7)	7.0 (4.5-9.4)
	4 to 7	26.1 (25.5-26.7)	33.9 (32.2-35.6)	38.1 (37.3-38.9)	33.0 (32.7-33.4)	29.9 (25.6-33.9)
	1 to 3	35.0 (33.6-36.3)	40.3 (37.8-42.7)	45.4 (43.9-46.9)	38.5 (37.8-39.2)	41.8 (32.1-49.2)
	0	41.0 (37.6-44.2)	60.5 (59.2-61.8)	50.9 (47.9-53.6)	46.2 (45.0-47.3)	31.2 (3.2-51.1)
<b>Early neonatal death</b>						
Mother Schooling						
	≥8	Ref	19.0 (10.8-26.5)	21.5 (18.9-24.0)	16.9 (15.5-18.2)	-17.7 (-33.2 to -3.9)
	4 to 7	16.5 (13.8-19.4)	14.9 (4.7-24.0)	24.9 (20.7-28.8)	26.6 (24.7-28.4)	0.4 (-32.1 to 25.0)
	1 to 3	27.8 (21.4-33.7)	30.0 (17.2-40.9)	32.5 (24.0-40.0)	31.7 (28.4-34.9)	-37.9 (-231.1-42.5)
	0	45.8 (33.3-55.9)	61.5 (56.3-66.1)	49.2 (36.3-59.5)	41.1 (35.5-46.3)	-

Data are % (95% CI)

Values adjusted to age of mother, parity and delivery

**Figure S2. Attributable fractions of preterm birth, LBW, SGA and early neonatal death by maternal race/skin colour including children of mothers of Asian descent, by year (2012-2019).**

