

Characteristics of study population, presented as number (%) or as median (10-90th centile).

Characteristic	Value	Spontaneous delivery	Overall delivery
		N = 448,520	N = 606,877
Infant sex	boy	230368 (51.4)	311620 (51.4)
Maternal age (years)	<25	70759 (15.8)	98419 (16.2)
	25-34	319477 (71.2)	428781 (70.7)
	35+	58284 (13.0)	79677 (13.1)
Parity	1	209343 (46.7)	284770 (46.9)
	2	159510 (35.6)	210731 (34.7)
	3	53985 (12.0)	74611 (12.3)
	≥4	87.16 (5.7)	36765 (6.1)
Socio-economic status of municipality	low	284011 (63.5)	382548 (63.2)
	medium	79892 (17.9)	108134 (17.9)
	high	83154 (18.6)	114347 (18.9)
Maternal education	low	42424 (12.9)	58743 (13.1)
	medium	130304 (39.6)	183410 (40.8)
	high	156123 (47.5)	207563 (46.2)
National origin	European	278697 (86.8)	384522 (87.7)
	Asian	4840 (1.5)	5968 (1.4)
	Middle-Eastern	14263 (4.4)	18021 (4.1)
	African	21061 (6.6)	27391 (6.2)
	North-American	478 (0.2)	625 (0.1)
	South-American	1514 (0.5)	1942 (0.4)
	Australian	120 (0.0)	148 (0.0)
Urbanization	urban/semi-urban	341019 (76.0)	461673 (76.1)
	rural	107501 (24.0)	145204 (23.9)
Month	Jan	37867 (8.4)	50929 (8.4)
	Feb	34299 (7.7)	46524 (7.7)
	Mar	37741 (8.4)	51541 (8.5)
	Apr	37154 (8.3)	50035 (8.2)
	May	37781 (8.4)	50771 (8.4)
	Jun	37730 (8.4)	50975 (8.4)
	Jul	39355 (8.8)	53436 (8.8)
	Aug	39571 (8.8)	53366 (8.8)
	Sep	38192 (8.5)	51702 (8.5)
	Oct	37646 (8.4)	51397 (8.5)
	Nov	35010 (7.8)	47033 (7.8)
	Dec	36174 (8.1)	49168 (8.1)
Day of week	Sunday	53697 (12.0)	56313 (9.3)
	Monday	68194 (15.2)	94662 (15.6)
	Tuesday	71804 (16.0)	104938 (17.3)
	Wednesday	68261 (15.2)	96664 (15.9)
	Thursday	68762 (15.3)	99715 (16.4)
	Friday	65440 (14.6)	97554 (16.1)
	Saturday	52362 (11.7)	57031 (9.4)
National holiday	yes	10277 (2.3)	11124 (1.8)
Influenza epidemic	yes	74416 (16.6)	100781 (16.6)
Apparent temperature (°C)		9.9 (-0.2-19.1)	9.9 (-0.2-19.1)
PM <sub>10</sub> (µg/m <sup>3</sup> )		24.5 (15.5-43.5)	24.5 (16.0-43.5)