

**Table S1.** Distribution of sociodemographic and obstetric characteristics according to interpregnancy interval in a cohort of 894,476 women delivering two consecutive infants 1990-2009

N (%)	Interpregnancy interval (months)									
	3-11	12-23	24-35	36-47	48-59	60-71	72-83	84-95	96-107	108-119
	155958 (17.4)	228455 (25.6)	151240 (16.9)	107392 (12.0)	80090 (9.0)	59188 (6.6)	43098 (4.8)	30698 (3.4)	22034 (2.5)	16323 (1.8)
Maternal age (years)										
<17	3129 (2.0)	2086 (0.9)	506 (0.3)	164 (0.2)	67 (0.1)	51 (0.1)	21 (0.1)	14 (0.1)	9 (0.0)	5 (0.0)
17-19	22260 (14.3)	25000 (10.9)	10395 (6.9)	3745 (3.5)	1094 (1.4)	360 (0.6)	143 (0.3)	72 (0.2)	53 (0.2)	28 (0.2)
20-24	54266 (34.8)	77955 (34.1)	50266 (33.2)	33109 (30.8)	20304 (25.4)	11035 (18.6)	5371 (12.5)	2169 (7.1)	796 (3.6)	365 (2.2)
25-29	38285 (24.6)	59779 (26.2)	43163 (28.6)	33892 (31.6)	27920 (34.9)	21293 (36.0)	15369 (35.7)	10066 (32.8)	6314 (28.7)	3723 (22.8)
30-34	23356 (15.0)	37765 (16.5)	27439 (18.1)	21917 (20.4)	18432 (23.0)	15685 (26.5)	12733 (29.5)	10365 (33.8)	8099 (36.8)	6301 (38.6)
>34	13945 (8.9)	24666 (10.8)	18643 (12.3)	13938 (13.0)	11766 (14.7)	10377 (17.53)	9184 (21.3)	7809 (25.4)	6601 (30.0)	5776 (35.4)
Missing data	717 (0.5)	1204 (0.5)	828 (0.6)	627 (0.6)	507 (0.6)	387 (0.7)	277 (0.6)	203 (0.7)	162 (0.7)	125 (0.8)
No of previous deliveries										
0	7896 (5.06)	15554 (6.8)	13246 (8.7)	11457 (10.7)	9585 (11.9)	7532 (12.7)	5334 (12.4)	3536 (11.5)	2342 (10.6)	1605 (9.8)
1-3	109556 (70.2)	155447 (68.0)	104075 (68.8)	74720 (69.6)	55574 (69.4)	40703 (68.8)	29610 (68.7)	21295 (69.4)	15366 (69.7)	11449 (70.4)
>4	38382 (24.6)	57306 (25.0)	33835 (22.4)	21155 (19.7)	14907 (18.6)	10935 (18.5)	8139 (18.9)	5855 (19.0)	4320 (19.6)	3260 (20.0)
Missing data	124 (0.08)	148 (0.06)	84 (0.06)	60 (0.06)	24 (0.03)	18 (0.03)	15 (0.03)	12 (0.04)	6 (0.03)	9 (0.06)
History of miscarriage										
Yes	39482 (25.3)	49640 (21.7)	32583 (21.5)	22934 (21.4)	17219 (21.5)	12890 (21.8)	9853 (22.9)	7251 (23.6)	5307 (24.0)	4205 (25.8)
No	113218 (72.6)	173442 (75.9)	115002 (76.0)	81823 (76.2)	60938 (76.0)	44819 (75.7)	32222 (74.8)	22661 (73.8)	16161 (73.3)	11722 (71.8)
Missing data	3258 (2.09)	5373 (2.35)	3655 (2.42)	2635 (2.45)	1933 (2.41)	1479 (2.50)	1023 (2.37)	786 (2.56)	566 (2.57)	396 (2.43)
History of fetal death										
Yes	10835 (6.95)	12763 (5.6)	7331 (4.8)	4496 (4.2)	3174 (3.9)	2137 (3.6)	1543 (3.6)	1094 (3.6)	808 (3.7)	576 (3.5)
No	136918 (87.8)	203305 (89)	135533 (89.6)	96708 (90.0)	72341 (90.3)	53566 (90.5)	38988 (90.5)	27690 (90.2)	19854 (90.1)	14720 (90.2)
Unknown	8205 (5.3)	12387 (5.4)	8376 (5.5)	6188 (5.8)	4575 (5.7)	3485 (5.9)	2567 (5.9)	1914 (6.2)	1372 (6.2)	1027 (6.3)

Mother's education

None	6064 (3.9)	12315 (5.4)	8257 (5.5)	5707 (5.3)	4352 (5.4)	3004 (5.1)	2161 (5.0)	1527 (5.0)	949 (4.3)	664 (4.1)
Primary	77664 (49.8)	114549 (50.1)	72880 (48.2)	50232 (46.8)	37046 (46.3)	27265 (46.1)	19791 (45.9)	13985 (45.6)	10072 (45.7)	7312 (44.8)
Secondary	59622 (38.2)	83039 (36.3)	56832 (37.6)	41927 (39.0)	31479 (39.3)	23657 (40.0)	17322 (40.2)	12445 (40.5)	9020 (41.0)	6782 (41.5)
University	7367 (4.7)	10942 (4.8)	8023 (5.3)	5719 (5.3)	4421 (5.5)	3209 (5.4)	2311 (5.4)	1670 (5.4)	1193 (5.4)	902 (5.5)
Unknown	5241 (3.4)	7610 (3.3)	5248 (3.5)	3807 (3.5)	2792 (3.5)	2053 (3.5)	1513 (3.5)	1071 (3.5)	800 (3.6)	663 (4.1)

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**Table S2.** Rates of maternal outcomes according to interpregnancy interval in a cohort of 894,476 women delivering two consecutive infants 1990-2009.

Interval (months)	Maternal Death	Postpartum Haemorrhage	Preeclampsia	Eclampsia	Puerperal Infection
3-11	69/144694 (0.05%)	258/29673 (0.87%)	3573/132442 (2.70%)	158/132105 (0.12%)	376/130725 (0.29%)
12-23	101/213744 (0.05%)	571/57000 (1.00%)	5471/195685 (2.80%)	288/195153 (0.15%)	540/192717 (0.28%)
24-35	70/142393 (0.05%)	489/45529 (1.07%)	4082/129645 (3.15%)	172/129273 (0.13%)	290/127645 (0.23%)
36-47	58/101641 (0.06%)	381/36852 (1.03%)	3147/92713 (3.41%)	124/91829 (0.14%)	212/90653 (0.23%)
48-59	29/76014 (0.04%)	343/29573 (1.16%)	2589/68814 (3.76%)	121/68521 (0.18%)	170/67597 (0.25%)
60-71	25/56182 (0.04%)	254/22205 (1.14%)	2114/50294 (4.20%)	84/50069 (0.17%)	140/49384 (0.28%)
72-83	11/40919 (0.03%)	207/16219 (1.28%)	1731/36728 (4.71%)	73/36525 (0.20%)	91/36023 (0.25%)
84-95	16/29116 (0.05%)	133/11483 (1.16%)	1326/25947 (5.11%)	47/25816 (0.18%)	71/25389 (0.28%)
96-107	17/20874 (0.08%)	87/7961 (1.09%)	1030/18593 (5.54%)	42/18508 (0.23%)	51/18205 (0.28%)
108-119	5/15409 (0.03%)	59/5695 (1.04%)	876/13831 (6.33%)	31/13737 (0.23%)	32/13518 (0.24%)

**Table S3.** Rates of adverse perinatal outcomes according to interpregnancy interval in a cohort of 894,476 women delivering two consecutive infants 1990-2009.

Interval (months)	Fetal Death	Neonatal Death	Preterm (<37 weeks)	Low Birth Weight (<2500 g)
3-11	5251/153802 (3.41%)	1055/130964 (0.81%)	20612/148011 (14.00%)	15685/149261 (10.51%)
12-23	7761/225282 (3.45%)	1307/193402 (0.68%)	26719/216721 (12.33%)	21144/217266 (9.73%)
24-35	5504/148982 (3.69%)	826/127900 (0.65%)	17376/143634 (12.10%)	13796/142595 (9.67%)
36-47	3975/105685 (3.76%)	574/91271 (0.63%)	11874/102180 (11.62%)	9242/100946 (9.16%)
48-59	3047/78788 (3.87%)	384/68118 (0.56%)	8852/76270 (11.61%)	6783/75477 (8.99%)
60-71	2263/58231 (3.89%)	290/50228 (0.58%)	6516/56314 (11.57%)	5042/55817 (9.03%)
72-83	1728/42392 (4.08%)	224/36508 (0.61%)	4978/41056 (12.12%)	3832/40594 (9.44%)
84-95	1266/30127 (4.20%)	137/25875 (0.53%)	3696/29122 (12.69%)	2862/28894 (9.91%)
96-107	1016/21626 (4.70%)	121/18387 (0.66%)	2844/20936 (13.58%)	2185/20763 (10.52%)
108-119	830/15968 (5.20%)	93/13418 (0.69%)	2251/15484 (14.54%)	1698/15313 (11.09%)