Table S1. Risk factors associated with preterm births

	Non-preterm	Preterm	00*	4 11 1 100			
	(≥ 37 wks)	(<37 wks)	OR*	Adjusted OR			
	n=8993	n=981	(95% CI)	(95% CI)			
Maternal and household characteristics <sup>¥</sup>							
Pregnant woman's age							
15-19 years	1043 (89.3)	125 (10.7)	1.19 (0.97, 1.48)	1.27 (1.03, 1.58)			
20-34	6041 (90.6)	624 (9.4)	1.0 (reference)	1.0 (reference)			
35+	945 (92.8)	74 (7.3)	0.96 (0.74, 1.24)	0.89 (0.69, 1.17)			
Pregnant woman's education							
No education	1877 (87.6)	265 (12.4)	1.0 (reference)	1.0 (reference)			
1-6 years	2818 (91.2)	273 (8.8)	0.97 (0.70, 1.19)	1.02 (0.81, 1.27)			
7-12 years	3724 (91.5)	345 (8.5)	0.86 (0.71, 1.06)	0.99 (0.79, 1.25)			
13+ years	99 (94.3)	6 (5.7)	0.63 (0.27,1.47)	0.97 (0.42, 2.32)			
Wealth quintile		-					
Poorest	1617 (89.6%)	187 (10.4%)	1.39 (1.10, 1.73)	1.36 (1.05, 1.77)			
Poorer	1661 (89.6%)	193 (10.4%)	1.39 (1.10, 1.74)	1.36 (1.06, 1.75)			
Middle	1645 (89.8%)	186 (10.2%)	1.33 (1.06, 1.67)	1.28 (1.00, 1.64)			
Richer	1649 (90.8%)	168 (9.3%)	1.19 (0.94, 1.50)	1.16 (0.92, 1.49)			
Richest	1702 (92.1%)	146 (7.9%)	1.0 (reference)	1.0 (reference)			
Previous obstetric history <sup>β</sup>							
Previous stillbirth							
No	6065 (91)	597 (9)	1.0 (reference)	1.0 (reference)			
Yes	581 (84.5)	107 (15.6)	1.87 (1.49, 2.35)	1.84 (1.42, 2.37)			
Previous preterm birth	, ,	, ,		, , ,			
No	6443 (90.5)	674 (9.5)	1.0 (reference)	1.0 (reference)			
Yes	125 (82.8)	26 (17.2)	1.93 (1.24, 3.00)	1.96 (1.18, 3.26)			
Morbidity during current	, , ,	, ,		, , ,			
pregnancy <sup>€</sup>							
Antepartum haemorrhage							
No	7496 (91.0)	743 (9.0)	1.0 (reference)	1.0 (reference)			
Yes	113 (87.6)	16 (12.4)	1.23 (0.72, 2.13)	1.24 (0.66, 2.33)			
Pre-eclampsia or eclampsia	' '	, ,	, , -7	, , , , , , , , , , , , , , , , , , ,			
No	7475 (91.0)	739 (9.0)	1.0 (reference)	1.0 (reference)			
Yes	127 (87.0)	19 (13.01)	2.36 (1.42, 3.91)	2.74 (1.56, 4.84)			
Fever before or during		, ,	, , , , , , , , , , , ,				
delivery							
No	6504 (91.7)	587 (8.3)	1.0 (reference)	1.0 (reference)			
Yes	225 (83)	46 (17)	1.65 (1.12, 2.24)	1.76 (1.18, 2.62)			
Multiple birth	` ′	,		' '			
Singleton	8861 (91.1)	867 (8.9)	1.0 (reference)	1.0 (reference)			
Multiple birth	132 (53.7)	114 (46.3)	13.3 (10.0, 17.8)	14.3 (9.92, 20.52)			
* The estimate was adjusted		\ /	, -,	, , = = -,			

<sup>\*</sup> The estimate was adjusted for site.

Table S2. Risk factors associated with spontaneous preterm birth

 $<sup>\</sup>beta$  The estimates were adjusted for the other factors on previous obstetric history, maternal age, maternal education, wealth quintile, and site.

<sup>€</sup> Each maternal morbidity-outcome was analyzed in a separate logistic regression model. Each model was adjusted for maternal age, maternal education, wealth quintile, previous obstetric history and site.

	Non-preterm	Preterm	OR*	Adjusted OR		
	(≥ 37 wks) n=7863	(<37 wks) n=761	(95% CI)	(95% CI)		
Maternal and household characteristics <sup>¥</sup>						
1. Pregnant woman's age						
15-19 years	916 (89.5)	107 (10.5)	1.33 (1.06, 1.67)	1.41 (1.12, 1.78)		
20-34	5369 (91.6)	490 (8.4)	1.0 (reference)	1.0 (reference)		
35+	858 (93.3)	62 (6.7)	1.01 (0.76, 1.34)	0.94 (0.70, 1.26)		
2. Pregnant woman's education						
No education	1729 (88.7)	220 (11.3)	1.0 (reference)	1.0 (reference)		
1-6 years	2537 (91.8)	228 (8.3)	0.95 (0.75, 1.19)	1.02(0.80, 1.30)		
7-12 years	3211 (92.7)	254 (7.3)	0.81 (0.65, 1.02)	0.98(0.75, 1.26)		
13+ years	74 (93.7)	5 (6.3)	0.81 (0.32,2.05)	1.39(0.53, 3.62)		
3. Wealth quintile						
Poorest	1519 (90.3%)	164 (9.7%)	1.55 (1.19, 2.03)	1.52(1.13, 2.04)		
Poorer	1529 (90.1%)	168 (9.9%)	1.59 (1.22, 2.07)	1.55(1.16, 2.06)		
Middle	1468 (90.8%)	149 (9.2%)	1.46 (1.11, 1.91)	1.39(1.04, 1.85)		
Richer	1402 (91.9%)	124 (8.1%)	1.27 (0.96, 1.68)	1.26(0.95, 1.69)		
Richest	1376 (93.6%)	94 (6.4%)	1.0 (reference)	1.0 (reference)		
Previous obstetric history <sup>β</sup>						
1. Previous stillbirth						
No Yes	5497 (91.9) 506 (86.1)	483 (8.1) 82 (14.0)	1.0 (reference) 1.81 (1.40, 2.34)	1.0 (reference) 1.73(1.30, 2.30)		
2. Previous preterm birth	300 (80.1)	62 (14.0)	1.61 (1.40, 2.54)	1.73(1.30, 2.30)		
No	5824 (91.5)	541 (8.5)	1.0 (reference)	1.0 (reference)		
Yes	108 (84.4)	20 (15.6)	2.00 (1.22, 3.28)	2.00(1.12, 3.55)		
Morbidity during current pregnancy $^{\epsilon}$						
1. Antepartum haemorrhage No	6602 (01.7)	603 (9.3)	1.0 (reference)	1.0 (reference)		
Yes	6692 (91.7) 101 (87.8)	603 (8.3) 14 (12.2)	1.0 (reference) 1.35 (0.75, 2.40)	1.0 (reference) 1.42(0.73, 2.76)		
2. Pre-eclampsia or eclampsia	(	_				
No	6674 (91.7)	605 (8.3)	1.0 (reference)	1.0 (reference)		
Yes	112 (89.6)	13 (10.4)	1.91 (1.05, 3.48)	2.38(1.25, 4.52)		
3. Fever before or during delivery	(00.0)		(,,			
No	5956 (92.3)	498 (7.7)	1.0 (reference)	1.0 (reference)		
Yes	200 (83.0)	41 (17.0)	1.90 (1.31, 2.75)	2.11(1.39, 3.20)		
4. Multiple birth						
Singleton	7757 (91.9)	681 (8.1)	1.0 (reference)	1.0 (reference)		
Multiple birth	106 (57.0)	80 (43.0)	12.38 (8.92, 17.19)	13.42(9.03, 19.95)		

<sup>\*</sup> The estimate was adjusted for site.

<sup>¥</sup> The estimates were adjusted for all other maternal and household characteristics and site.

 $<sup>\</sup>beta$  The estimates were adjusted for the other factors on previous obstetric history, six maternal and household characteristics, and site.

€ Each maternal morbidity-outcome was analyzed in a separate logistic regression model. Each model was adjusted for maternal and household characteristics, previous obstetric history and site.					