

Supplementary Table S1 Association between history of polycystic ovary syndrome (PCOS) prior to delivery and adverse pregnancy outcomes among primiparous deliveries to women in study sample aged ≥ 18 between 1 October 2013 and 31 December 2017.

	No diagnosis of PCOS		Diagnosis of PCOS		Relative risk (95% CI) ¹	
	n	%	n	%	Crude	Adjusted ²
Total deliveries	42 811	100.0	1997	100.0		
Maternal outcomes						
Gestational diabetes	2992	7.0	258	12.9	1.85 (1.65–2.09)	1.43 (1.27–1.61)
PIH/eclampsia/preeclampsia	5479	12.8	365	18.3	1.43 (1.30–1.57)	1.11 (1.01–1.22)
Caesarean section ³	13 636	31.9	713	35.7	1.12 (1.06–1.19)	1.01 (0.95–1.07)
Placental abnormalities	1285	3.0	54	2.7	0.90 (0.69–1.18)	0.95 (0.72–1.24)
Infant outcomes						
Total infants	43 686	100.0	2075	100.0		
Total live births	43 554	99.7	2066	99.6		
Large for gestational age ⁴	2878	6.8	150	7.5	1.11 (0.95–1.30)	1.00 (0.86–1.18) ⁸
Small for gestational age ⁴	4118	9.7	201	10.0	1.02 (0.89–1.17)	1.04 (0.91–1.20)
Low birthweight (<2500 g)	3337	7.6	256	12.3	1.59 (1.39–1.81)	1.23 (1.09–1.40)
Low birthweight (<2500 g) full-term only	1006	2.5	68	3.8	1.53 (1.19–1.96)	1.38 (1.07–1.77)
Preterm birth (<37 weeks)	3618	8.3	272	13.2	1.54 (1.36–1.75)	1.21 (1.07–1.36)
Neonatal prolonged hospital stay ^{4,5,6}	2208	5.3	160	8.3	1.48 (1.26–1.75)	1.20 (1.03–1.39)
Neonatal conditions						
Infectious disease conditions ^{6,7}	465	1.4	40	2.6	1.86 (1.33–2.59)	1.38 (0.98–1.95)
Cardiovascular conditions ^{6,7}	763	2.2	47	3.1	1.45 (1.08–1.95)	1.11 (0.83–1.48)
Respiratory conditions ^{6,7}	5827	17.0	336	22.3	1.28 (1.16–1.42)	1.11 (1.00–1.22)
Gastrointestinal/nutritional conditions ^{6,7}	2599	7.6	175	11.6	1.48 (1.27–1.73)	1.12 (0.95–1.33)
Neurologic conditions ^{6,7}	1922	5.6	108	7.2	1.28 (1.06–1.54)	1.21 (1.00–1.46)
Hematologic conditions ^{6,7}	4997	14.6	323	21.4	1.47 (1.33–1.63)	1.08 (0.98–1.19)

¹Crude and adjusted relative risk approximated using general estimating equations with a log link and Poisson distribution to take into account multiple deliveries by the same women.
²Multivariate models adjusted for maternal age (continuous), BMI (<25.0, 25.0+, unknown), race (non-Hispanic White, other race/ethnicity, unknown), education (high school + some college, completed college, unknown), plurality (singleton, multiples), birth year (2013–2017 ordinal categorical variable) and history of hypertension or diabetes.
³Excluding those with unknown mode of delivery.
⁴Limited to live births only.
⁵Limited analysis to those whose gestational age ≥ 35 weeks, with known data on mode of delivery and birth hospital records. Prolonged stay defined as >3 days for vaginal delivery or >5 days for C-section.
⁶Relative risk additionally adjusted for gestational age (continuous variable, range 17–44), excluding those with unknown GA.
⁷Limited to live births 1 October 2013–31 December 2016 (to allow 1-year follow-up).
⁸Excluded those with unknown race to converge the adjusted model.
 PIH, pregnancy-induced hypertension.