Supplemental Table 1: Association between history of endometriosis and adverse pregnancy outcomes among deliveries by all women aged ≥ 18 in Massachusetts between October 1, 2013-December 31, 2017, stratified by history of subfertility/ infertility treatment

	No history of endometriosis		History of endometriosis		aRR (95% CI)[1]	P-value, test for heterogeneity[2]
	n	%	n	%		
Gestational Diabetes						
Non-infertile	5,101	7.3	35	6.3	0.85 (0.62-1.18)	
Subfertility/infertility	1,207	9.3	33	7.1	0.74 (0.53-1.04)	0.63
ART	751	10.5	53	9.9	0.91 (0.70-1.18)	
PIH/Eclampsia/Preeclampsia						
Non-infertile	6,804	9.7	71	12.7	1.20 (0.97-1.50)	
Subfertility/infertility	1,455	11.2	53	11.4	1.01 (0.78-1.30)	0.17
ART	1,181	16.5	89	16.6	1.15 (0.97-1.35)	
Cesarean Section[3]						
Non-infertile	20,560	29.3	198	35.5	1.18 (1.06-1.32)	
Subfertility/infertility	4,696	36.2	186	39.9	1.08 (0.96-1.21)	0.52
ART	3,421	47.8	296	55.1	1.17 (1.09-1.26)	
Placental abnormalities						
Non-infertile	1,696	2.4	16	2.9	1.25 (0.74-2.04)	
Subfertility/infertility	414	3.2	<11	2.1	--	0.02
ART	433	6.1	54	10.1	1.01 (0.69-1.49)	
Small for gestational age[4]						
Non-infertile	4,763	6.9	33	6.0	0.88 (0.63-1.24)	
Subfertility/infertility	998	7.7	37	8.0	1.06 (0.77-1.47)	0.43
ART	1,752	22.4	45	7.6	0.79 (0.58-1.07)	

Low Birthweight (<2500 grams)

Non-infertile	3,530	5.0	31	5.5	1.21 (0.85-1.73)	
Subfertility/infertility	1,088	8.2	37	7.8	1.13 (0.84-1.54)	0.44
ART	1,370	17.0	122	20.1	1.16 (0.99-1.37)	

Preterm Birth (<37 weeks)

Non-infertile	4,222	6.0	40	7.2	1.24 (0.91-1.67)	
Subfertility/infertility	1,275	9.6	44	9.4	1.08 (0.81-1.44)	0.51
ART	1,595	20.0	139	23.1	1.16 (0.99-1.36)	

Neonatal prolonged hospital stay[4,5]

Non-infertile	2,620	3.8	21	3.9	1.01 (0.66-1.54)	
Subfertility/infertility	610	4.8	23	5.1	1.14 (0.75-1.74)	0.89
ART	673	9.2	47	8.8	0.97 (0.71-1.32)	

1. Crude 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; multivariate models adjusted for maternal age (continuous), body mass index (<25.0, 25.0+, unknown), race (non-Hispanic White, other race/ethnicity, unknown), education (high school + some college, completed college, unknown), plurality (singleton, multiples), and birth year (2013-2017 ordinal categorical variable).

2. Test for heterogeneity, using Likelihood ratio test

3. Excluding those with unknown mode of delivery.

4. Limited to livebirths only

5. Limited analysis to those whose gestational age ≥ 35 weeks, with known data on mode of delivery and birth hospital records.

Supplemental Table 2: Association between history of uterine fibroids and adverse pregnancy outcomes among deliveries by all women aged ≥ 18 in Massachusetts between October 1, 2013-December 31, 2017, stratified by history of subfertility/ infertility treatment

	No history of uterine fibroids		History of uterine fibroids		aRR (95% CI)[1]	P-value, test for heterogeneity[2]
	n	%	n	%		
Gestational Diabetes						
Non-infertile	4,903	7.2	233	10.5	1.07 (0.95-1.22)	
Subfertility/infertility	1,124	9.1	116	10.4	0.95 (0.79-1.15)	0.10
ART	689	10.1	115	13.2	1.05 (0.87-1.27)	
PIH/Eclampsia/Preeclampsia						
Non-infertile	6,621	9.7	254	11.4	1.13 (1.00-1.28)	
Subfertility/infertility	1,366	11.1	142	12.8	1.07 (0.91-1.26)	0.16
ART	1,130	16.6	140	16.1	1.12 (1.02-1.24)	
Cesarean Section[3]						
Non-infertile	19,878	29.0	880	39.5	1.16 (1.10-1.22)	
Subfertility/infertility	4,363	35.4	519	46.7	1.15 (1.07-1.23)	0.76
ART	3,195	46.9	522	59.9	1.13 (1.06-1.21)	
Placental abnormalities						
Non-infertile	1,647	2.4	65	2.9	1.13 (0.89-1.45)	
Subfertility/infertility	375	3.0	49	4.4	1.40 (1.04-1.89)	0.49
ART	411	6.0	76	8.7	1.26 (1.04-1.52)	
Small for gestational age[4]						
Non-infertile	4,642	6.9	154	7.0	1.09 (0.93-1.28)	
Subfertility/infertility	962	7.8	73	6.6	0.88 (0.70-1.12)	0.03
ART	732	9.8	65	6.8	0.72 (0.55-0.94)	
Low Birthweight (<2500 grams)						
Non-infertile	3,410	4.9	151	6.7	1.29 (1.10-1.52)	
Subfertility/infertility	1,030	8.1	95	8.3	1.04 (0.85-1.28)	0.01

ART	1,329	17.2	163	16.7	0.95 (0.81-1.11)	

Preterm Birth (<37 weeks)

Non-infertile	4,091	5.9	171	7.6	1.19 (1.02-1.39)	
Subfertility/infertility	1,195	9.5	124	11.0	1.17 (0.98-1.40)	0.55
ART	1,516	19.9	218	22.5	1.15 (1.00-1.32)	

Neonatal prolonged hospital stay[4,5]

Non-infertile	2,540	3.8	101	4.7	1.16 (0.95-1.41)	
Subfertility/infertility	584	4.8	49	4.5	0.92 (0.69-1.23)	0.25
ART	627	9.0	93	10.6	1.12 (0.89-1.41)	

1. Crude 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; multivariate models adjusted for maternal age (continuous), body mass index (<25.0, 25.0+, unknown), race (non-Hispanic White, other race/ethnicity, unknown), education (high school + some college, completed college, unknown), plurality (singleton, multiples), and birth year (2013-2017 ordinal categorical variable).
2. Test for heterogeneity, using Likelihood ratio test
3. Excluding those with unknown mode of delivery.
4. Limited to livebirths only
5. Limited analysis to those whose gestational age ≥ 35 weeks, with known data on mode of delivery and birth hospital records.

Supplemental Table 3: Association between history of pelvic pain prior to delivery and adverse pregnancy outcomes among deliveries to women aged ≥ 18 in Massachusetts between October 1, 2013-December 31, 2017

	No history of pelvic pain		History of pelvic pain		Relative Risk (95% Confidence Interval)[1]		
	n	%	n	%	Crude	Adjusted[1]	Adjusted[2]
Total deliveries	77,179	100.0	14,646	100.0			
Maternal Outcomes							
Gestational diabetes	6,019	7.8	1,161	7.9	1.03 (0.97-1.09)	0.97 (0.91-1.03)	0.96 (0.91-1.02)
PIH[3]/Eclampsia/Preeclampsia	7,990	10.4	1,663	11.4	1.09 (1.03-1.14)	1.01 (0.96-1.06)	1.01 (0.96-1.07)
Caesarean Delivery[4]	24,208	31.4	5,149	35.2	1.11 (1.09-1.14)	1.10 (1.07-1.12)	1.10 (1.07-1.12)
Placental abnormalities[5]	2,173	2.8	450	3.1	1.09 (0.98-1.20)	1.15 (1.03-1.27)	1.15 (1.03-1.27)
Infant outcomes							
Total infants	79,029	100.0	15,048	100.0			
Total livebirths	78,809	99.7	15,010	99.7			
Small for gestational age[6]	5,567	7.2	1,061	7.2	0.99 (0.93-1.06)	1.00 (0.93-1.06)	1.00 (0.93-1.06)
Low birthweight (<2500 grams)	5,120	6.5	1,058	7.0	0.92 (0.82-1.03)	1.04 (0.98-1.11)	1.04 (0.97-1.11)
Prematurity (<37 weeks)	5,957	7.6	1,358	9.1	1.04 (0.82-1.32)	1.14 (1.08-1.21)	1.14 (1.08-1.21)
Neonatal mortality[6,7,8]	144	0.2	44	0.3	0.86 (0.41-1.82)	1.52 (1.03-2.24)	1.09 (0.80-1.49)
Neonatal prolonged hospital stay[6,8,9]	3,333	4.4	661	4.6	1.05 (0.96-1.14)	1.01 (0.93-1.10)	0.96 (0.88-1.04)
Neonatal Conditions							
Infectious disease conditions[8,10]	726	1.2	145	1.4	1.21 (1.01-1.44)	1.19 (1.00-1.43)	1.08 (0.90-1.30)
Cardiovascular conditions[8,10]	1,336	2.1	279	2.7	1.24 (1.09-1.42)	1.08 (0.90-1.30)	1.11 (0.97-1.26)
Respiratory conditions[8,10]	10,268	16.3	1,956	18.7	1.15 (1.10-1.20)	1.12 (1.07-1.18)	1.08 (1.03-1.13)
Gastrointestinal/Nutritional Conditions[8,10]	3,918	6.2	777	7.4	1.21 (1.11-1.32)	1.09 (1.01-1.18)	1.00 (0.91-1.09)
Neurologic conditions[8,10]	2,531	4.0	432	4.1	1.03 (0.93-1.14)	0.99 (0.89-1.09)	0.96 (0.87-1.06)
Hematologic conditions[8,10]	8,423	13.4	1,814	17.4	1.32 (1.26-1.38)	1.03 (0.99-1.08)	1.00 (0.95-1.05)

1. Crude 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; multivariate models adjusted for maternal age (continuous), body mass index (<25.0, 25.0+, unknown), race (non-Hispanic White, other race/ethnicity, unknown), education (high school + some college, completed college, unknown), plurality (singleton, multiples), and birth year (2013-2017 ordinal categorical variable).

2. Relative risk additionally adjusted for history of hypertension and diabetes.

3. PIH: Pregnancy induced hypertension

4. Excluding those with unknown mode of delivery

5. Placental abnormalities include: ICD 641.0-641.2, 663.5, 667.0, 762.1, O45, P02.1, O43.21, O44, O69

6. Limited to livebirths only

7. Neonatal death= 0-27 days after birth

8. Limited 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 cesarean delivery

9. Relative risk additionally adjusted for gestational age (continuous variable, range 17-44), excluding those with unknown GA.

10. Limited to livebirths October 1, 2013-December 31, 2016 (to allow capture of conditions up to one-year after birth)