

**Table 1:** Maternal Demographics & Clinical Characteristics

Maternal Demographics			
	Units	IOL at 39 weeks	Expectant Management
Age			
Maternal age	Mean (SD)	28.0 (5.8)	28.0 (5.6)
Advanced maternal age	%	14.8	13.2
Race			
White	%	80.2	78.1
Black		14.1	14.1
Hispanic		1.0	1.0
Other		4.7	6.8
Education			
High school diploma	%	49.9	42.8
College or greater		38.2	44.3
Other		11.9	12.8
BMI			
BMI	Mean (SD)	26.7 (6.4)	26.0 (6.0)
Obese	%	21.2	17.8
Morbidly Obese		5.9	5.7
Other			
Tobacco use	%	12.9	8.8
Parity	Median [IQR]	1 [0-2]	0 [0-1]
Previous Vaginal delivery	%	49.4	50.6

### Table 2: Maternal Morbidity

Maternal outcomes for induction of labor at 39 weeks versus expectant management								
	Induction of labor at 39 weeks		Expectant Management		P value	RR	aRR	95% CI
	n	%	n	%				
Blood transfusion	1,089	0.26	3,953	0.27	0.11	0.95	0.95	0.89-1.02
Intrauterine infection or inflammation (Triple I)	5,386	1.27	34,973	2.40	<0.01	0.53	0.66	0.64-0.68
ICU admission	300	0.07	1,053	0.07	0.76	0.98	1.02	0.90-1.16
Uterine rupture	64	0.02	176	0.01	0.13	1.25	1.20	0.89-1.60
Cesarean hysterectomy	108	0.03	264	0.02	<0.01	1.41	1.32	1.05-1.65
Cesarean Delivery	53,693	12.7	263,775	18.1	<0.01	0.70	0.69	0.68-0.69

\*Adjusted for maternal age, race, education, and vaginal delivery

**Table 3: Neonatal Morbidity**

Neonatal outcomes for induction of labor at 39 weeks versus expectant management								
	Induction of labor at 39 weeks		Expectant Management		P value	RR	aRR	95% CI
	n	%	n	%				
5min Apgar ≤3	924	0.22	4,888	0.34	<0.01	0.65	0.69	0.64-0.74
Prolonged ventilation	1,210	0.29	5,772	0.40	<0.01	0.72	0.77	0.72-0.82
NICU	12,211	2.9	56,635	3.9	<0.01	0.74	0.80	0.79-0.82
Seizure	122	0.03	551	0.04	<0.01	0.76	0.80	0.66-0.98
Neonatal death	380	0.09	1,287	0.09	0.80	1.01	0.99	0.88-1.11
*Adjusted for maternal age, race, education, and vaginal delivery								