

Table 3. Distribution of risk factors by elective repeat CD or labor status and age group among women with prior cesarean delivery, term, singleton, vertex gestations.

Variable	Younger women (< 35)				P Value*	Older women (≥ 35)			
	Labor		ERCD <sup>a</sup>			Labor	ERCD	P	
	N = 104,465		N = 76,474, 73.2%			N = 37,070			
	N = 27,991		N = 76,474, 73.2%			N = 10,596		N = 26,474, 71.4%	
Socio-demographic:									
Age category, n (%)					< .001				.540
0-19	593	(2.1%)	1,746	(2.3%)					
20-24	5,227	(18.7%)	15,632	(20.4%)					
25-29	10,223	(36.5%)	27,994	(36.6%)					
30-34	11,948	(42.7%)	31,102	(40.7%)					
35-39						8,247 (77.8%)	20,744 (78.4%)		
40-44						2,236 (21.1%)	5,457 (20.6%)		
45+									
Age of mother, Mean (SD <sup>b</sup> )	28.2	(4.1)	27.9	(4.1)	< .001	37.7 (2.4)	37.7 (2.4)		
Race/Ethnicity, n (%)					< .001				< .001
Hispanic	15,597	(55.7%)	46,443	(60.7%)		4,282 (40.4%)	11,967 (45.2%)		
Multiple Race	490	(1.8%)	1,355	(1.8%)		217 (2.0%)	423 (1.6%)		
Black, non-Hispanic	1,800	(6.4%)	4,473	(5.8%)		488 (4.6%)	1,100 (4.2%)		
American Indian	106	(0.4%)	340	(0.4%)		18 (0.2%)	63 (0.2%)		
Asian	2,923	(10.4%)	5,783	(7.6%)		2,072 (19.6%)	4,533 (17.1%)		
Pacific Islander	179	(0.6%)	356	(0.5%)		42 (0.4%)	115 (0.4%)		
White, non-Hispanic	6,426	(23.0%)	16,779	(21.9%)		3,275 (30.9%)	7,774 (29.4%)		
Other	20	(0.1%)	41	(0.1%)		6 (0.1%)	19 (0.1%)		
Unknown	450	(1.6%)	904	(1.2%)		196 (1.8%)	480 (1.8%)		
Highest education level, n (%)					< .001				.030
Less than high school	7,530	(26.9%)	21,415	(28.0%)		2,079 (19.6%)	5,476 (20.7%)		
High school	7,267	(26.0%)	21,741	(28.4%)		1,649 (15.6%)	4,238 (16.0%)		
College or more	12,127	(43.3%)	30,835	(40.3%)		6,401 (60.4%)	15,682 (59.2%)		
Missing/Unknown	1,067	(3.8%)	2,483	(3.2%)		467 (4.4%)	1,078 (4.1%)		
Medicaid, n (%)	15,297	(54.6%)	44,827	(58.6%)	< .001	3,597 (33.9%)	9,462 (35.7%)		
Prenatal care index, n (%)					< .001				< .001
Inadequate	2,810	(10.0%)	7,627	(10.0%)		745 (7.0%)	1,632 (6.2%)		
Intermediate	2,559	(9.1%)	5,680	(7.4%)		827 (7.8%)	1,698 (6.4%)		
Adequate	12,252	(43.8%)	34,672	(45.3%)		4,557 (43.0%)	11,859 (44.8%)		
Adequate Plus	9390	(33.5%)	26,007	(34.0%)		4,108 (38.8%)	10,505 (39.7%)		
Missing information	980	(3.5%)	2,488	(3.3%)		359 (3.4%)	780 (2.9%)		
Year, n (%)					< .001				< .001
2010	13,425	(48.0%)	38,499	(50.3%)		5,016 (47.3%)	13,395 (50.6%)		
2011	14,566	(52.0%)	37,975	(49.7%)		5,580 (52.7%)	13,079 (49.4%)		
Pre-existing or gestational conditions:									
DM <sup>c</sup> (any), n (%)	2,684	(9.6%)	7,266	(9.5%)	.670	1,894 (17.9%)	4,770 (18.0%)		
DM category, n (%)					.310				.022
None	25,307	(90.4%)	69,208	(90.5%)		8,702 (82.1%)	21,704 (82.0%)		
Chronic ± gestational DM	333	(1.2%)	983	(1.3%)		202 (1.9%)	626 (2.4%)		
Gestational DM only	2,351	(8.4%)	6,283	(8.2%)		1,692 (16.0%)	4,144 (15.7%)		
HTN <sup>d</sup> (any), n (%)	1,407	(5.0%)	3,548	(4.6%)	.009	775 (7.3%)	1,934 (7.3%)		
HTN category, n (%)					< .001				.025
None	26,584	(95.0%)	72,926	(95.4%)		9,821 (92.7%)	24,540 (92.7%)		
Chronic/Superimposed HTN	416	(1.5%)	1,176	(1.5%)		310 (2.9%)	866 (3.3%)		
Gestational HTN only	896	(3.2%)	2,059	(2.7%)		398 (3.8%)	869 (3.3%)		

Variable	Younger women (< 35)				Older women (≥ 35)		
	N = 104,465				N = 37,070		
	Labor (N = 27,991)	ERCD <sup>a</sup> (N = 76,474, 73.2%)	P Value*		Labor (N = 10,596)	ERCD (N = 26,474, 71.4%)	P Value*
Unspecified HTN	95 (0.3%)	313 (0.4%)			67 (0.6%)	199 (0.8%)	
Obesity, n (%)	7,707 (27.5%)	24,560 (32.1%)	< .001		2,392 (22.6%)	7,114 (26.9%)	< .001
Extreme obesity, n(%)	1,407 (5.0%)	5,033 (6.6%)	< .001		398 (3.8%)	1,289 (4.9%)	< .001
Heart disease, n (%)	149 (0.5%)	352 (0.5%)	.136		77 (0.7%)	177 (0.7%)	.540
Mental health disorder, n (%)	1,025 (3.7%)	2,390 (3.1%)	< .001		390 (3.7%)	802 (3.0%)	.001
Renal disease, n (%)	41 (0.1%)	97 (0.1%)	.439		13 (0.1%)	29 (0.1%)	.734
Hepatic disease, n (%)	45 (0.2%)	121 (0.2%)	.927		22 (0.2%)	34 (0.1%)	.076
Herpes, n (%)	458 (1.6%)	937 (1.2%)	< .001		223 (2.1%)	434 (1.6%)	.002
Obstetrical conditions:							
Abruption, n (%)	190 (0.7%)	165 (0.2%)	< .001		84 (0.8%)	68 (0.3%)	< .001
Post-term, n (%)	2,414 (8.6%)	1,447 (1.9%)	< .001		856 (8.1%)	423 (1.6%)	< .001
Antepartum bleed, n (%)	235 (0.8%)	269 (0.4%)	< .001		111 (1.0%)	118 (0.4%)	< .001
Isoimmune disease, n (%)	430 (1.5%)	1,151 (1.5%)	.715		190 (1.8%)	409 (1.5%)	.087
Soft tissue condition, n (%)	1,326 (4.7%)	3,985 (5.2%)	.002		811 (7.7%)	2,189 (8.3%)	.050
Fetal conditions:							
Polyhydramnios, n (%)	135 (0.5%)	359 (0.5%)	.788		70 (0.7%)	210 (0.8%)	.183
Oligohydramnios, n (%)	493 (1.8%)	908 (1.2%)	< .001		220 (2.1%)	383 (1.4%)	< .001
IUGR <sup>e</sup> , n (%)	259 (0.9%)	479 (0.6%)	< .001		111 (1.0%)	176 (0.7%)	< .001
Excessive fetal growth, n (%)	456 (1.6%)	1,190 (1.6%)	.401		242 (2.3%)	522 (2.0%)	.056

Note. <sup>a</sup>ERCD = Elective repeat cesarean delivery, <sup>b</sup>SD = Standard deviation, <sup>c</sup>DM = Diabetes mellitus, <sup>d</sup>HTN = Hypertension, <sup>e</sup>IUGR = Intrauterine growth restriction, \*Chi-square and two-sided two-sample t tests for categorical and continuous variables, respectively