

Appendix 1. Discordant Interpregnancy Interval Categories Between Two Pregnancies

	Third birth IPI					
Second birth IPI	0-5	6-11	12-17	18-23	24-59	60+
0-5	116 (6.3)	379 (20.5)	322 (17.4)	243 (13.2)	597 (32.3)	190 (10.3)
6-11	287 (3.4)	1579 (18.7)	1723 (20.4)	1275 (15.1)	2875 (34.1)	702 (8.3)
12-17	219 (2.3)	1327 (13.9)	2030 (21.3)	1668 (17.5)	3588 (37.7)	687 (7.2)
18-23	182 (2.9)	896 (14.2)	1165 (18.5)	1026 (16.3)	2456 (39.0)	1033 (9.6)
24-59	468 (4.3)	1793 (16.6)	1894 (17.5)	1466 (13.6)	4163 (38.5)	1033 (9.6)
≥60	176 (8.3)	485 (22.9)	416 (19.6)	325 (15.3)	621 (29.3)	98 (4.6)

Hanley GE, Hutcheon JA, Kinniburgh BA, Lily L. Interpregnancy interval and adverse pregnancy outcomes: an analysis of successive pregnancies. *Obstet Gynecol* 2017; 129.

The authors provided this information as a supplement to their article.

Appendix. Discordant Infant Outcomes Between Second and Third Birth

	Concordant (second birth/third birth)	Discordant (second birth/third birth)		
Infant outcomes				
Outcome	No/No	Yes/Yes	No/Yes	Yes/No
Preterm	32806 (84.0)	1036 (2.7)	2736 (7.0)	2459 (6.3)
SGA	35741 (91.6)	392 (1.0)	1307 (3.3)	1597 (4.1)
NICU	18782 (90.8)	170 (0.8)	781 (3.8)	942 (4.6)
LBW	35778 (91.7)	356 (0.9)	1339 (3.5)	1564 (4.0)
Maternal outcomes				
Gestational diabetes	33916 (88.8)	1259 (3.3)	2060 (5.4)	943 (2.5)
Entering pregnancy obese	14894 (80.9)	2013 (10.9)	988 (5.4)	512 (2.8)
Preeclampsia	36560 (95.7)	271 (0.7)	822 (2.2)	525 (1.4)

Hanley GE, Hutcheon JA, Kinniburgh BA, Lily L. Interpregnancy interval and adverse pregnancy outcomes: an analysis of successive pregnancies. *Obstet Gynecol* 2017; 129.

The authors provided this information as a supplement to their article.

Appendix 3. Infant Outcomes and Interpregnancy Interval Among All Women With at Least Two Births Between 2000 and 2015

	All women who had at least two births N=178709		
	Unadjusted	Adjusted	Adjusted (BMI at first pregnancy) n=122158
Preterm birth			
0-5 months	1.92 (1.74-2.12)	1.57 (1.42-1.73)	1.39 (1.21-1.60)
6-11 months	1.18 (1.10-1.26)	1.14 (1.07-1.22)	1.14 (1.05-1.23)
12-17 months	0.99 (0.93-1.05)	1.00 (0.94-1.05)	1.02 (0.95-1.10)
18-23 months	1.00 (ref)	1.00 (ref)	1.00 (ref)
24-59 months	1.22 (1.16-1.29)	1.18 (1.12-1.25)	1.17 (1.10-1.25)
≥60 months	1.76 (1.64-1.89)	1.55 (1.44-1.67)	1.44 (1.32-1.58)
SGA birth			
0-5 months	1.43 (1.26-1.63)	1.30 (1.14-1.48)	1.40 (1.17-1.66)
6-11 months	1.00 (0.93-1.09)	0.98 (0.91-1.07)	0.97 (0.87-1.07)
12-17 months	0.93 (0.86-1.00)	0.94 (0.87-1.01)	0.90 (0.82-1.00)
18-23 months	1.00 (ref)	1.00 (ref)	1.00 (ref)
24-59 months	1.22 (1.14-1.30)	1.18 (1.11-1.26)	1.19 (1.10-1.29)
≥60 months	1.48 (1.35-1.61)	1.36 (1.24-1.48)	1.41 (1.26-1.58)
NICU admission (n=121730)			
0-5 months	1.62 (1.36-1.93)	1.42 (1.19-1.69)	1.51 (1.20-1.90)
6-11 months	1.19 (1.08-1.32)	1.17 (1.06-1.30)	1.16 (1.02-1.31)
12-17 months	1.02 (0.93-1.12)	1.03 (0.93-1.12)	1.06 (0.94-1.19)
18-23 months	1.00 (ref)	1.00 (ref)	1.00 (ref)
24-59 months	1.24 (1.15-1.35)	1.17 (1.08-1.27)	1.18 (1.07-1.30)
≥60 months	1.75 (1.59-1.92)	1.52 (1.38-1.68)	1.48 (1.32-1.67)
Low Birth weight			
0-5 months	2.33 (2.04-2.65)	1.87 (1.63-2.14)	1.75 (1.45-2.10)
6-11 months	1.18 (1.08-1.30)	1.14 (1.04-1.52)	1.13 (1.00-1.27)
12-17 months	0.98 (0.90-1.07)	0.98 (0.89-1.07)	0.99 (0.89-1.11)
18-23 months	1.00 (ref)	1.00 (ref)	1.00 (ref)
24-59 months	1.30 (1.21-1.40)	1.25 (1.15-1.34)	1.26 (1.14-1.38)
≥60 months	2.00 (1.81-2.20)	1.71 (1.55-1.89)	1.67 (1.47-1.89)

Hanley GE, Hutcheon JA, Kinniburgh BA, Lily L. Interpregnancy interval and adverse pregnancy outcomes: an analysis of successive pregnancies. *Obstet Gynecol* 2017; 129.

The authors provided this information as a supplement to their article.

Appendix 4. Maternal Outcomes and Interpregnancy Interval Among All Women With at Least Two Births Between 2000 and 2015

	All women who had at least two births N=178709	
	Unadjusted	Adjusted
Gestational diabetes	1.07 (0.95-1.19)	1.43 (1.28-1.61)
0-5 months	0.88 (0.82-0.93)	1.02 (0.96-1.09)
6-11 months	0.92 (0.87-0.98)	0.97 (0.91-1.03)
12-17 months	1.00 (ref)	1.00 (ref)
18-23 months	1.28 (1.22-1.34)	1.20 (1.14-1.26)
24-59 months	1.90 (1.78-2.02)	1.46 (1.36-1.56)
≥60 months		
Obese at beginning of pregnancy		
0-5 months	1.67 (1.51-1.84)	1.44 (1.30-1.60)
6-11 months	1.12 (1.05-1.18)	1.08 (1.01-1.14)
12-17 months	0.93 (0.88-0.98)	0.93 (0.88-0.98)
18-23 months	1.00 (ref)	1.00 (ref)
24-59 months	1.21 (1.15-1.26)	1.15 (1.09-1.21)
≥60 months	1.65 (1.54-1.76)	1.42 (1.33-1.52)
Preeclampsia		
0-5 months	0.79 (0.64-0.99)	0.84 (0.67-1.05)
6-11 months	0.78 (0.70-0.88)	0.83 (0.74-0.93)
12-17 months	0.86 (0.78-0.95)	0.88 (0.80-0.98)
18-23 months	1.00 (ref)	1.00 (ref)
24-59 months	1.34 (1.23-1.46)	1.27 (1.17-1.39)
≥60 months	2.10 (1.89-2.33)	1.72 (1.54-1.92)

Hanley GE, Hutcheon JA, Kinniburgh BA, Lily L. Interpregnancy interval and adverse pregnancy outcomes: an analysis of successive pregnancies. *Obstet Gynecol* 2017; 129.

The authors provided this information as a supplement to their article.