

**Appendix 1. Maternal Outcomes by Body Mass Index Class for Attempted Vaginal Delivery Compared to Planned Cesarean (Referent Group) by Parity**

	Nulliparous Women									Parous Women								
	Class I n=12,893			Class II n=5,356			Class III n=3,256			Class I n=15,018			Class II n=6,618			Class III n=3,961		
<b>Maternal outcomes</b>	Attempted VD n=12532 n (%)	Planned CD n=361 n (%)	aRR <sup>a</sup>	Attempted VD n=5154 n (%)	Planned CD n=202 n (%)	aRR	Attempted VD n=3349 n (%)	Planned CD n=177 n (%)	aRR	Attempted VD n=14733 n (%)	Planned CD n=285 n (%)	aRR	Attempted VD n=6469 n (%)	Planned CD n=149 n (%)	aRR	Attempted VD n=3810 n (%)	Planned CD n=151 n (%)	aRR
Maternal Composite Outcome	552(7.4)	11(5.2)	1.12(0.6 0,2.11)	234(7.9)	2(1.8)	<b>4.19(1.02, 17.21)*</b>	153(8.3)	4(4.9)	1.60(0.60, 4.29)	681(7.7)	4(2.3)	2.48(0.93,6 .62)	293(8.0)	1(1.3)	5.40(0.7 6,38.15)	145(6.7)	3(4.3)	1.46(0.47,4.5 2)
Maternal death	1(0.01 )	0(0.0)	N/A	0(0.0)	0(0.0)	n/a	0(0.0)	0(0.0)	N/A	1(0.01)	0(0.0)	N/A	0(0.0)	0(0.0)	N/A	0(0.0)	0(0.0)	N/A
Maternal ICU admission	41(0.4)	0(0.0)	N/A	8(0.2)	1(0.6)	0.12 (0.01, 1.56)	11(0.4)	0(0.0)	N/A	66(0.5)	1(0.4)	1.38 (0.20, 9.67)	23(0.4)	0(0.0)	N/A	14(0.4)	0(0.0)	N/A
Thromboembolism	20(0.2 )	6(1.7)	<b>0.15 (0.06, 0.40)***</b>	17(0.3)	1(0.5)	1.02 (0.12, 8.98)	16(0.5)	3(1.7)	0.36 (0.10, 1.26)	82(0.6)	0(0.0)	N/A	35(0.5)	1(0.7)	0.9 (0.1, 6.8)	22(0.6)	1(0.7)	1.02 (0.12, 8.32)
Blood transfusion	289(3.7)	3(1.4)	2.31 (0.59, 9.02)	122(3.9)	0(0.0)	N/A	65(3.3)	1(1.1)	2.07 (0.30, 14.25)	412(4.4)	1(0.6)	4.47 (0.62, 32.22)	168(4.3)	0(0.0)	N/A	74(3.2)	0(0.0)	N/A
Hemorrhage	456(3.7)	7(1.9)	1.83	208(4.0)	3(1.5)	2.43	140(4.2)	5(2.8)	1.87	414(2.8)	4(1.4)	1.98	204(3.2)	1(0.7)	4.44	131(3.4)	8(5.3)	0.73

Clark-Ganheart CA, Reddy UM, Kominiarek MA, Huang C-C, Landy HJ, Grantz KL. Pregnancy outcomes among obese women and their offspring by attempted mode of delivery. Obstet Gynecol 2015;126.

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

			(0.86, 3.91)			(0.75, 7.93)			(0.73, 4.82)			(0.74, 5.27)			(0.62, 31.80)			(0.35, 1.50)
Postpartum fever	486(3.9)	11(3.1)	1.15 (0.62, 2.11)	225(4.4)	5(2.5)	1.65 (0.67, 4.08)	157(4.7)	4(2.3)	2.30 (0.84, 6.29)	140(1.0)	7(2.5)	<b>0.39</b> <b>(0.18, 0.85)*</b>	66(1.0)	5(3.4)	<b>0.33</b> <b>(0.13, 0.84)*</b>	58(1.5)	4(2.7)	0.61 (0.21, 1.82)
Chorioamnionitis	843(6.7)	6(1.7)	<b>6.20</b> <b>(2.77, 13.85)**</b> *	358(7.0)	2(1.0)	<b>10.52</b> <b>(2.56, 43.24)**</b>	200(6.0)	0(0.00)	N/A	174(1.2)	2(0.7)	2.40 (0.60, 9.70)	99(1.5)	1(0.7)	3.21 (0.40, 25.54)	58(1.5)	1(0.66)	2.86 (0.36, 22.96)
Endometritis	139(1.1)	2(0.6)	1.82 (0.44, 7.59)	67(1.3)	2(1.0)	1.43 (0.32, 6.44)	74(2.2)	3(1.69)	1.37 (0.43, 4.33)	47(0.3)	3(1.1)	0.32 (0.09, 1.09)	15(0.2)	1(0.7)	0.54 (0.04, 6.45)	16(0.4)	0(0.00)	N/A
Hysterectomy	4(0.03)	1(0.3)	0.66 (0.04, 11.15)	3(0.1)	0(0.0)	N/A	1(0.03)	0(0.00)	N/A	3(0.02)	1(0.4)	0.12 (0.01, 1.74)	3(0.1)	1(0.7)	0.10 (0.01, 1.41)	0(0.0)	0(0.00)	N/A

<sup>a</sup> aRR, Adjusted relative risk. Models were adjusted for age, race/ethnicity, marital status, insurance type, diabetes (pre-existing and gestational), hypertension (pre-existing and pregnancy induced), asthma, cervical dilation at admission, anesthesia type, gestational age, and hospital type

Class I is defined as a body mass index between 30-34.9 kg/m<sup>2</sup>, Class II 35-39.9 kg/m<sup>2</sup>, Class III greater than 40 kg/m<sup>2</sup>

CD, Cesarean Delivery; CI, confidence interval; ICU, intensive care unit; n/a, not applicable; VD, Vaginal Delivery; N/A, not applicable

Bold indicates statistical significance

The asterisk symbol (\*) indicates P-value <0.05 from the statistic testing; the double asterisk symbol (\*\*) indicates P<0.01; the triple asterisk symbol (\*\*\*) indicates P<0.001.

Clark-Ganheart CA, Reddy UM, Kominiarek MA, Huang C-C, Landy HJ, Grantz KL. Pregnancy outcomes among obese women and their offspring by attempted mode of delivery. *Obstet Gynecol* 2015;126.

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

© Copyright 2015 American College of Obstetricians and Gynecologists.

Page 2 of 5

**Appendix 2. Neonatal Outcomes of by Body Mass Index Class for Attempted Vaginal Delivery Compared to Planned Cesarean (Referent Group) by Parity**

Neonatal Outcomes	Nulliparous Women									Parous Women								
	Class I n=12,893			Class II n=5,356			Class III n=3,526			Class I n=15,018			Class II n=6,618			Class III n=3,961		
	Attempted VD n=12532 n (%)	Planned CD n=361 n (%)	aRR <sup>a</sup>	Attempted VD n=5154 n (%)	Planned CD n=202 n (%)	aRR	Attempted VD n=3349 n (%)	Planned CD n=177 n (%)	aRR	Attempted VD n=14733 n (%)	Planned CD n=285 n (%)	aRR	Attempted VD n=6469 n (%)	Planned CD n=149 n (%)	aRR	Attempted VD n=3810 n (%)	Planned CD n=151 n (%)	aRR
Neonatal composite outcome	1,210(9.7)	35(9.7)	1.02(0.73,1.42)	546(10.6)	29(5.0)	0.85(0.59,1.25)	389(11.7)	27(15.4)	0.87(0.59,1.27)	798(5.4)	29(10.2)	<b>0.622(0.43,0.89)**</b>	409(6.3)	20(13.5)	0.64 (0.40, 1.02)	282(7.4)	18(12.2)	0.78(0.49,1.26)
Neonatal death	6(0.1)	0(0.0)	n/a	1(0.02)	0(0.0)	n/a	2(0.1)	1(0.6)	<b>0.04 (0.01, 0.61)*</b>	8(0.1)	0(0.0)	N/A	1(0.02)	0(0.0)	N/A	3(0.1)	0(0.0)	N/A
Neonatal asphyxia	20(0.2)	1(0.3)	0.49 (0.05, 4.74)	12(0.2)	0(0.0)	n/a	7(0.2)	1(0.6)	0.54 (0.12, 2.59)	22(0.2)	2(0.7)	0.19 (0.04, 1.04)	8(0.1)	2(1.3)	<b>0.06 (0.01, 0.27)***</b>	4(0.1)	1(0.7)	<b>0.06 (0.01, 0.72)*</b>

Clark-Ganheart CA, Reddy UM, Kominiarek MA, Huang C-C, Landy HJ, Grantz KL. Pregnancy outcomes among obese women and their offspring by attempted mode of delivery. Obstet Gynecol 2015;126.

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

Birth Injury	390(3.1)	1(0.3)	<b>11.86</b> <b>(1.67,84.19)</b> *	154(3.0)	2(1.0)	3.54 (0.83,15.17)	94(2.8)	2(1.1)	3.96 (0.97, 16.09)	168(1.2)	2(0.7)	1.92 (0.49,7.57)	98(1.5)	0(0.0)	N/A	72(1.9)	1(0.7)	3.87 (0.51, 29.38)
Ventilation use	54(6.2)	3(8.8)	0.86 (0.20, 3.59)	19(4.6)	2(7.4)	0.49 (0.12, 2.04)	16(5.2)	1(4.0)	0.90 (0.11, 7.30)	36(5.6)	4(14.3)	0.55 (0.20, 1.53)	18(5.6)	2(10.0)	0.54 (0.13, 2.18)	8(3.7)	4(23.5)	<b>0.19</b> <b>(0.07, 0.51)***</b>
NICU admission	903(7.2)	35(9.7)	0.74 (0.52, 1.03)	431(8.4)	29(14.4)	<b>0.66</b> <b>(0.45,0.97)*</b>	321(9.6)	27(15.3)	0.69 (0.47, 1.02)	673(4.6)	28(9.8)	<b>0.54</b> <b>(0.37,0.78)**</b>	337(5.2)	21(14.1)	<b>0.51</b> <b>(0.31, 0.81)**</b>	224(5.9)	21(13.9)	<b>0.53</b> <b>(0.34, 0.84)**</b>
Transient tachypnea of the newborn	368(2.9)	24(6.7)	<b>0.46</b> <b>(0.30,0.72)*</b> **	176(3.4)	16(7.9)	0.60 (0.36, 1.01)	130(3.9)	15(8.5)	<b>0.49</b> <b>(0.28, 0.86)*</b>	265(1.8)	20(7.0)	<b>0.32</b> <b>(0.20, 0.51)***</b>	137(2.1)	12(8.1)	<b>0.46</b> <b>(0.24, 0.88)*</b>	86(2.3)	17(11.3)	<b>0.27</b> <b>(0.15,0.48)***</b>
5 minute Apgar <7	117(0.9)	4(1.1)	0.98 (0.32, 3.04)	59(1.2)	2(1.0)	1.06 (0.24, 4.70)	29(0.9)	5(2.8)	<b>0.27</b> <b>(0.08, 0.86)*</b>	66(0.5)	4(1.4)	0.35 (0.12, 1.01)	33(0.5)	2(1.3)	0.39 (0.08, 1.80)	22(0.6)	4(2.7)	<b>0.25</b> <b>(0.10, 0.60)**</b>
Birthweight - mean (S.D.)	<b>3,389.0</b> <b>(436.3)</b>	<b>3,483.4</b> <b>(607.0)</b>	<b>(P=0.004)</b>	<b>3,409.8</b> <b>(451.4)</b>	<b>3,684.2</b> <b>(633.8)</b>	<b>(P&lt;0.001)</b>	<b>3,417.6</b> <b>(468.8)</b>	<b>3,751.9</b> <b>(636.0)</b>	<b>(P&lt;0.001)</b>	<b>3,447.3</b> <b>(437.3)</b>	<b>3,542.3</b> <b>(547.3)</b>	<b>(P=0.004)</b>	<b>3,478.5</b> <b>(455.6)</b>	<b>3,755.4</b> <b>(641.7)</b>	<b>(P&lt;0.001)</b>	<b>3502.7(484.9)</b>	<b>3747.5(674.6)</b>	<b>(P&lt;0.001)</b>

<sup>a</sup> aRR, Adjusted relative risk. Models were adjusted for age, race/ethnicity, marital status, insurance type, diabetes (pre-existing and gestational), hypertension (pre-existing and pregnancy induced), asthma, cervical dilation at admission, anesthesia type, gestational age, and hospital type

Class I is defined as a body mass index between 30-34.9 kg/m<sup>2</sup>, Class II 35-39.9 kg/m<sup>2</sup>, Class III greater than 40kg/m<sup>2</sup>

Clark-Ganheart CA, Reddy UM, Kominiarek MA, Huang C-C, Landy HJ, Grantz KL. Pregnancy outcomes among obese women and their offspring by attempted mode of delivery. Obstet Gynecol 2015;126.

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

CD, Cesarean Delivery; NICU, neonatal intensive care unit; VD, Vaginal Delivery; S.D., Standard Deviation

**Bold** indicates statistical significance

The asterisk symbol (\*) indicates P-value <0.05 from the statistic testing; the double asterisk symbol (\*\*) indicates P<0.01; the triple asterisk symbol (\*\*\*) indicates P<0.001.

Clark-Ganheart CA, Reddy UM, Kominiarek MA, Huang C-C, Landy HJ, Grantz KL. Pregnancy outcomes among obese women and their offspring by attempted mode of delivery. *Obstet Gynecol* 2015;126.

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

© Copyright 2015 American College of Obstetricians and Gynecologists.

Page 5 of 5