# S6 Figure. Birth weight (grams) after bariatric surgery meta-analysis with subtotals by type of surgery

NOTE: Weights are from random effects analysis

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Overall (I-squared = 75.7%, p = 0.000)

Goldman et al. 2016

Subtotal (I-squared = 31.1%, p = 0.234)

**LAGB**

Machado et al. 2017

Belogolovkin et al. 2012

Marceau et al. 2004

Josefsson et al. 2011

Stentebjerg et al. 2017

Weintraub et al. 2008

Adams et al. 2015

**All bariatric surgery**

**Birth weight (grams)**

Lapolla et al. 2010

Wax et al. 2008

**BPD**

Hammeken et al. 2017

**RYGB**

Patel et al. 2008

Dixon et al. 2005

Chevrot et al. 2016

Subtotal (I-squared = 0.0%, p = 0.470)

Subtotal (I-squared = 21.2%, p = 0.279)

Gascoin et al. 2017

Skull et al. 2004

Berglind et al. 2014

-242.42 (-307.43, -177.40)

-599.73 (-996.16, -203.30)

-135.14 (-289.17, 18.90)

-206.31 (-370.12, -42.50)

-282.00 (-344.53, -219.47)

-500.00 (-570.85, -429.15)

-163.50 (-288.46, -38.54)

-220.00 (-354.77, -85.23)

-185.00 (-268.76, -101.24)

-200.00 (-263.70, -136.30)

WMD (95% CI)

-195.00 (-375.12, -14.88)

-248.00 (-525.15, 29.15)

-266.98 (-404.09, -129.87)

-93.00 (-483.19, 297.19)

47.00 (-204.14, 298.14)

-211.00 (-332.55, -89.45)

-226.10 (-273.43, -178.78)

-223.71 (-273.68, -173.74)

-350.00 (-537.01, -162.99)

-220.00 (-463.32, 23.32)

-200.00 (-362.27, -37.73)

2799

12, 2984 (510)

211

30, 3129 (271)

293, 2991 (546)

251, 3000 (500)

126, 3355 (716)

71, 3225 (579)

507, 3079 (567)

764, 3092 (568)

**(SD); Surgery**

83, 3178 (705)

38, 2896 (636)

151, 3232 (620)

26, 2951 (646)

79, 3397 (545)

139, 3317 (520)

1148

1189

56, 3000 (570)

49, 3310 (600)

124, 3500 (600)

**N, mean**

906354

14, 3584 (519)

230

60, 3335 (521)

656353, 3273 (556)

1577, 3500 (700)

188500, 3519 (570)

57970, 3445 (611)

301, 3264 (599)

764, 3292 (696)

**(SD); Control**

120, 3373 (543)

76, 3144 (843)

151, 3499 (595)

39, 3044 (959)

79, 3350 (1000)

139, 3528 (514)

59130

845417

56, 3350 (430)

31, 3530 (500)

124, 3700 (700)

**N, mean**

100.00

2.09

13.48

5.91

8.71

8.51

7.02

6.73

8.18

8.68

**Weight**

5.48

3.48

6.66

2.15

3.92

7.12

41.02

36.98

5.31

4.07

5.96

**%**

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0

-700

-500

-200

0

200

Decreased after bariatric surgery Increased after bariatric surgery

Association between maternal bariatric surgery and birth weight (grams). Studies are presented as: Author, year. Results are subgrouped by type of surgery. WMD=weighted mean difference (grams). N=total group size. SD=standard deviation. RYGB=Roux-en-Y gastric bypass. BPD=biliopancreatic diversion. LAGB=laparoscopic adjustable gastric banding.