

## Supplementary Online Content

Lewis KH, Zhang F, Arterburn DE, Ross-Degnan D, Gillman MW, Wharam JF. Comparing medical costs and use after laparoscopic adjustable gastric banding and Roux-en-Y gastric bypass. *JAMA Surg*. Published online June 3, 2015. doi:10.1001/jamasurg.2015.1081.

**eTable 1.** Size of Surgical Groups During Postoperative Observation Period

**eTable 2.** Sensitivity Analysis: Within and Between Procedure Changes for Utilization Outcomes – Pre- to Post-surgery for 7170 Propensity-Score Matched Individuals With at Least 2 Years of Preoperative Enrollment Data

**eFigure.** Flow Diagram of Cohort Selection and Inclusion Criteria

This supplementary material has been provided by the authors to give readers additional information about their work.

**eTable 1.** Size of Surgical Groups During Postoperative Observation Period

Procedure Type	Number Remaining Enrolled by Post-Operative Year (n (% of total cohort remaining))					
	1 year*	2 years	3 years	4 years	5 years	6 years
AGB	4935	3272	1993	1120	572	184
RYGB	4935	3018	1770	984	518	267
<b>Total</b>	<b>9870 (100%)**</b>	<b>6290 (64%)</b>	<b>3763 (38%)</b>	<b>2104 (21%)</b>	<b>1090 (11%)</b>	<b>448 (5%)</b>

\* Time denotes people remaining at the end of the year – e.g. “1 year” means “n” with a full post-operative year. \*\*percent of original cohort remaining at each time point.

**eTable 2.** Sensitivity Analysis: Within and Between Procedure Changes for Utilization Outcomes – Pre- to Post-surgery for 7170 Propensity-Score Matched Individuals With at Least 2 Years of Preoperative Enrollment Data

	AGB		RYGB		AGB relative to RYGB	
	Level Change*	Trend Change*	Level Change*	Trend Change*	Level Change**	Trend Change**
<b>Quarterly ER Visits</b>	0.001 (-0.20, 0.20)	<b>-0.05</b> (-0.08, -0.02)	<b>+0.29</b> (0.11, 0.46)	<b>-0.05</b> (-0.07, -0.02)	<b>-0.35</b> (-0.59, -0.12)	-0.01 (-0.04, 0.02)
<b>Quarterly Hospital Days</b>	0.12 (-0.13, 0.37)	- 0.01 (-0.04, 0.02)	<b>+0.46</b> (0.18, 0.75)	-0.04 (-0.09, 0.01)	<b>-0.37</b> (-0.73, -0.005)	0.005 (-0.05, 0.04)
<b>Prescription Drug Costs</b>	<b>-0.28</b> (-0.32, -0.23)	<b>-0.10</b> (-0.11, -0.09)	<b>- 0.50</b> (-0.56, -0.45)	<b>-0.07</b> (-0.08, -0.05)	<b>0.23</b> (0.15, 0.30)	<b>-0.04</b> (-0.06, -0.03)
<b>Total Health Care Costs</b>	<b>-0.11</b> (-0.18, -0.05)	<b>-0.07</b> (-0.08, -0.06)	<b>-0.13</b> (- 0.20, -0.06)	<b>-0.04</b> (-0.05, -0.03)	0.02 (-0.07, 0.11)	<b>-0.03</b> (-0.04, -0.01)

\*cells include parameter estimates and 95% CI's, parameter estimates for within procedure pre-post comparisons are simple rate ratios; \*\*interaction term parameter estimates and 95% CI's are reported to compare level and trend changes between procedures, parameter estimates for between procedure comparisons are ratios of rate ratios.

**eFigure.** Flow Diagram of Cohort Selection and Inclusion Criteria