Supplementary Online Content

Lewis KH, Zhang F, Arterburn DE, Ross-Degnan D, Gillman MW, Wharam JF. Comparing medical costs and use after laparascopic 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		
Total	9870 (100%)**	6290 (64%)	3763 (38%)	2104 (21%)	1090 (11%)	448 (5%)		

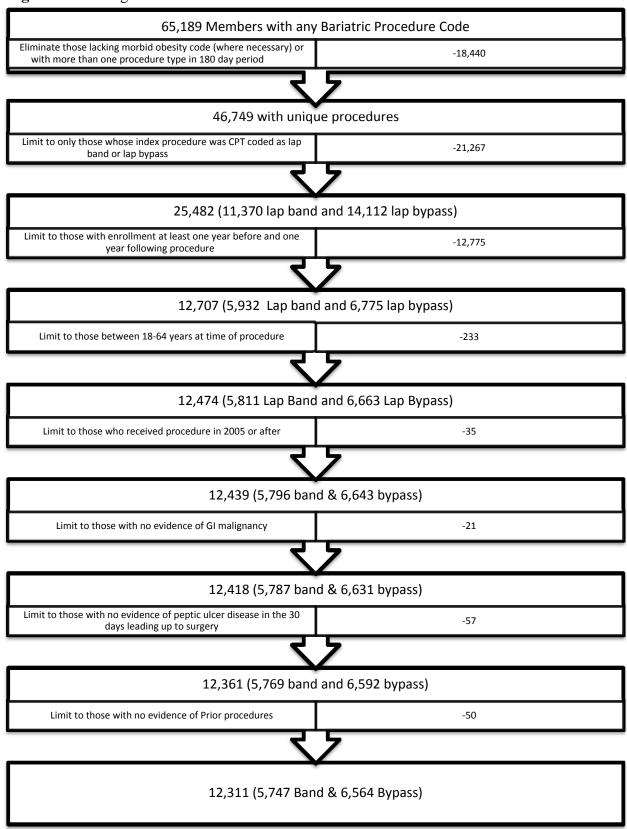
^{*} Time denotes people remaining at the <u>end</u> of the year – e.g. "1 year" means "n" with a full post-operative year. **percent of original cohort remaining at each time point.

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

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

*cells include parameter estimates and 95% Cl's, parameter estimates for within procedure pre-post comparisons are simple rate ratios; **interaction term parameter estimates and 95% Cl'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



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