The Slow Rise of Bariatric Revisions in Men and Women: a MBSAQIP Analysis.

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Background:

Bariatric surgery has grown in recent years as an effective and durable treatment of severe obesity and its comorbidities. However, over the past twenty-five years, bariatric surgery patients have been disproportionately women. As more patients undergo primary bariatric surgery, many expect a subsequent rise in revisional procedures as well. The purpose of this study is to quantify the recent rise in primary bariatric volume, revisional volume, and the proportions of men and women undergoing these procedures.

Methods:

The MBSAQIP public-use files for 2015-2018 were queried for all primary and revisional bariatric procedures and relative proportions of each were determined. The groups were then stratified by sex and relative proportions for each year were obtained.

Results:

From 2015 to 2018, primary bariatric procedures increased from 144516 to 172745 (19.5% increase). Revisional procedures increased from 23576 to 32111 (36.2% increase). The proportion of primary procedures performed in male patients decreased from 21.1% to 19.9%. The proportion of revisional procedures performed in male patients slightly increased from 14.1% to 14.7%.

Conclusions:

From 2015 to 2018, the growth of revisional bariatric cases has outpaced the growth in primary procedures. However, male patients represent a lower percentage of these bariatric revisions compared to primary surgeries. It is unclear at this time why fewer revisions are performed in men, but it may be possible that the same social factors that prevent men from pursuing primary bariatric surgery are also a factor in the decision to pursue revision. More studies are needed to determine these social determinants.

Primary Procedures

Year	Total	% of bari	Male	Male %	Female	Female %
2015	144516	85.97%	30491	21.10%	114025	78.90%
2016	159388	85.34%	32622	20.50%	126766	79.50%
2017	169765	84.72%	34299	20.20%	135466	79.80%
2018	172745	84.33%	34436	19.90%	138309	80.10%

Revisional Procedures

Year	Total	% of bari	Male	Male %	Female	Female %
2015	23576	14.03%	3321	14.09%	20256	85.91%
2016	27383	14.66%	3865	14.11%	23519	85.89%
2017	30609	15.28%	4492	14.68%	26117	85.32%
2018	32111	15.67%	4732	14.74%	27379	85.26%