

# Long-term patient satisfaction with Roux-en-y gastric bypass and sleeve gastrectomy: a 10-year follow-up study

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**I have no potential conflict of interest to report**

# Objective

To compare 10-year patient satisfaction and HRQoL among patients who underwent laparoscopic sleeve gastrectomy (LSG) and laparoscopic gastric bypass (LGB).

# Indications for Bariatric Surgery

In Ontario:

- RYGB: BMI < 55 with no contraindication (e.g. peptic ulcer disease, anemia, and inflammatory bowel disease etc.)
- SG: patients unsuitable for bypass or request surgery

# Methods

Data Source: Ontario Bariatric Registry

Inclusion Criteria:

- Patients that underwent LGB or LSG in Ontario between 2010–2013 with 10-year follow-up data

Primary outcomes:

- Health related quality of life (HRQoL)
- Patient satisfaction with bariatric treatment
- Revision or conversion MBS

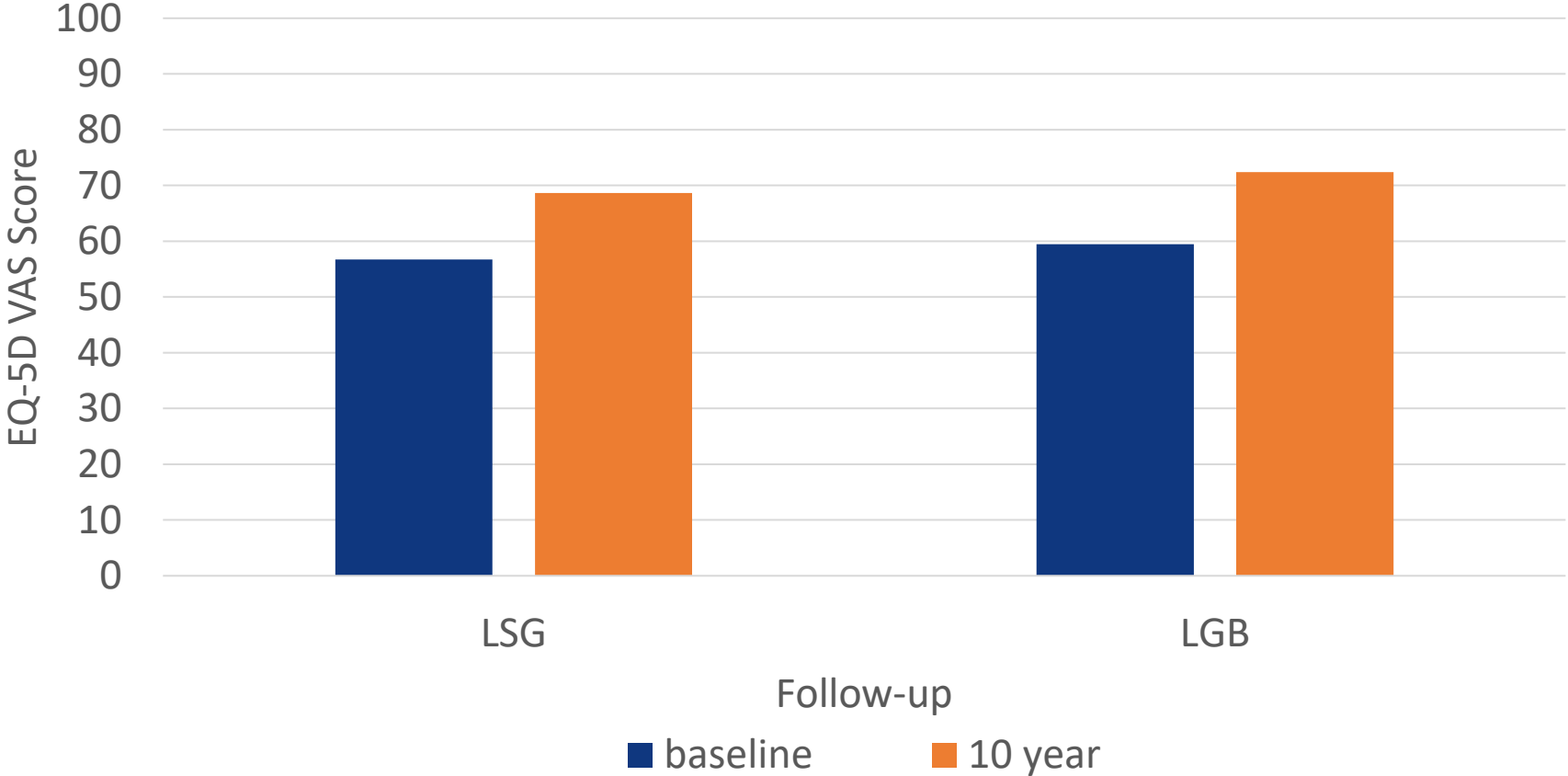
# Results: Patient Population

	LSG N = 49 (7%)		LGB N = 277 (5%)	
	Baseline	10-year	Baseline	10-year
Female N (%)	39 (79.6%)		250 (90.3%)	
Age (mean)	47.33		46.31	
BMI (mean)	54.93	40.22	47.67	33.89

# Results: Reoperation Rate

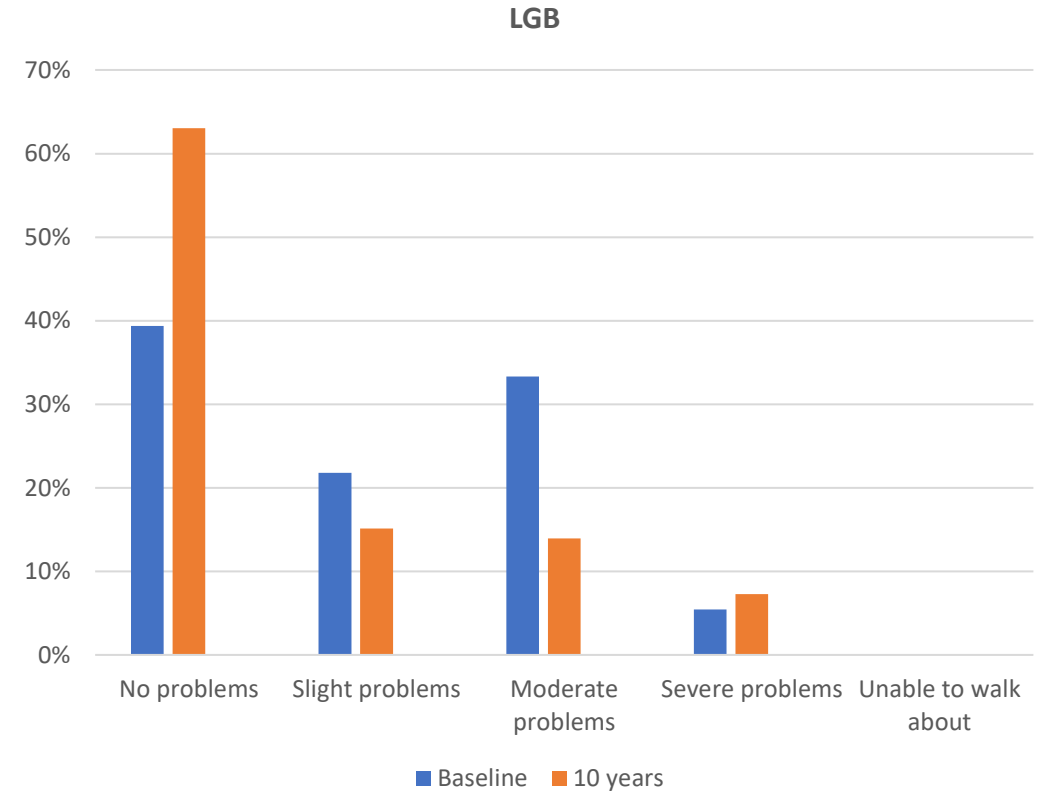
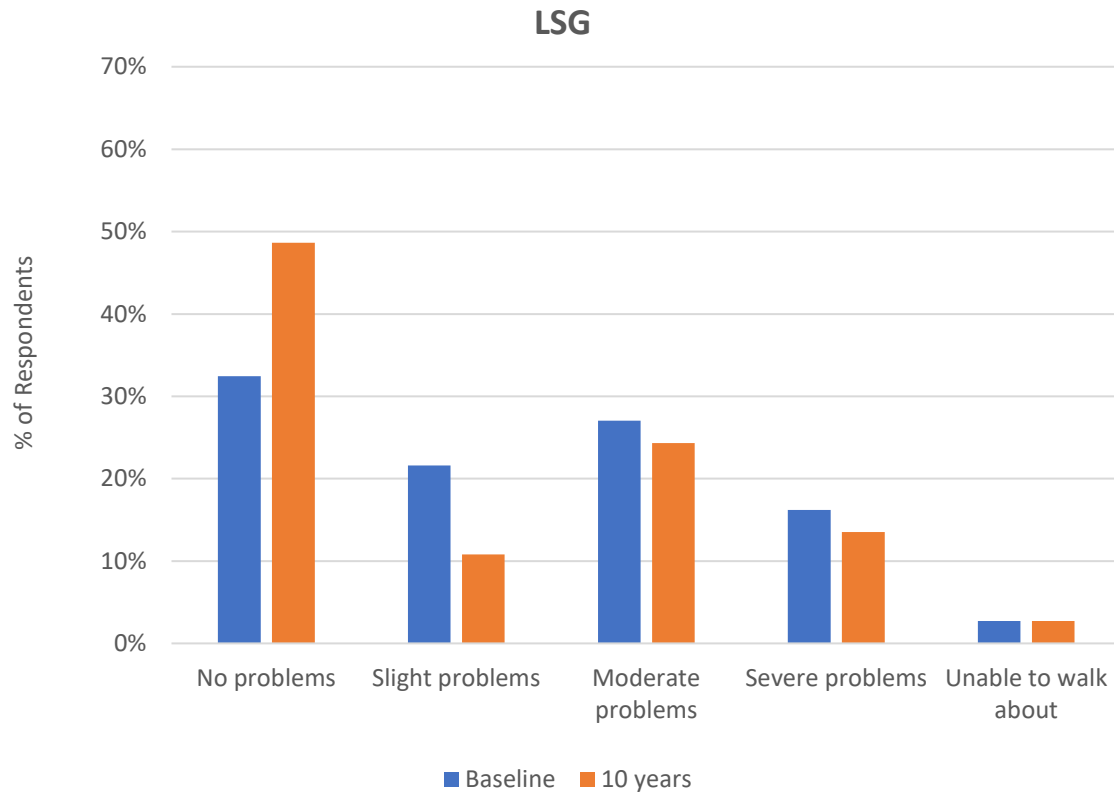
	LSG	LGB
Reoperation rate	8%	3%
Reasons for reoperation	<ul style="list-style-type: none"><li>• Recurrent weight gain</li><li>• Dysphasia</li></ul>	<ul style="list-style-type: none"><li>• Marginal ulcer</li><li>• Recurrent weight gain</li><li>• Hernia</li><li>• Obstruction</li></ul>

# Results: EQ-5D-5L: VAS

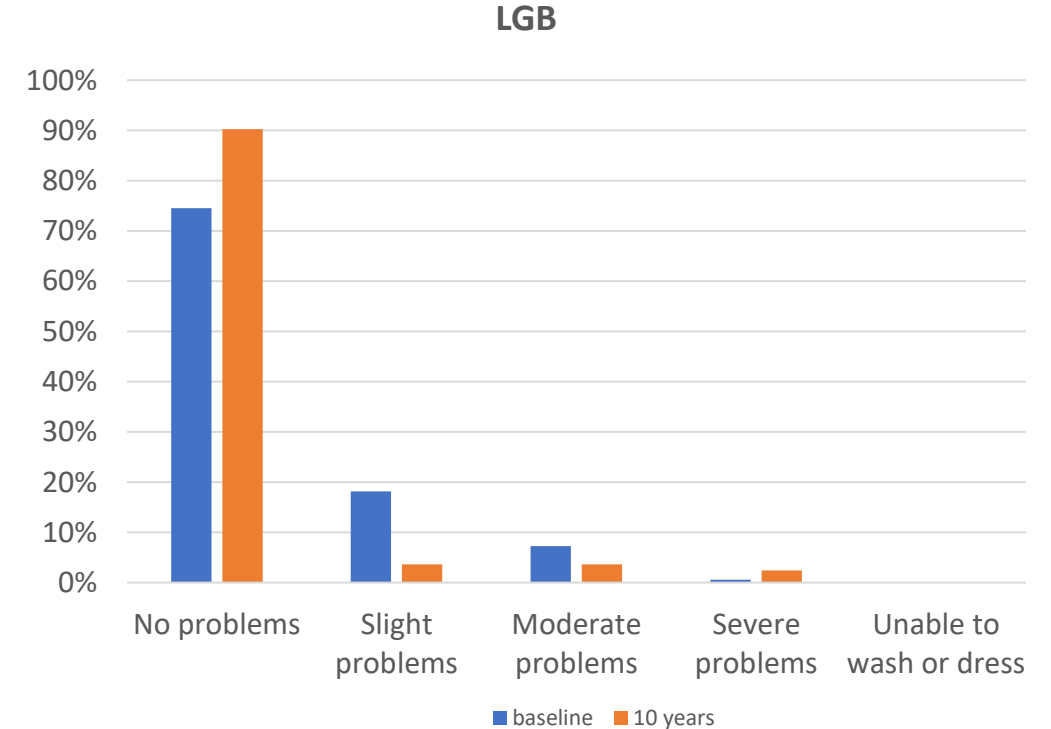
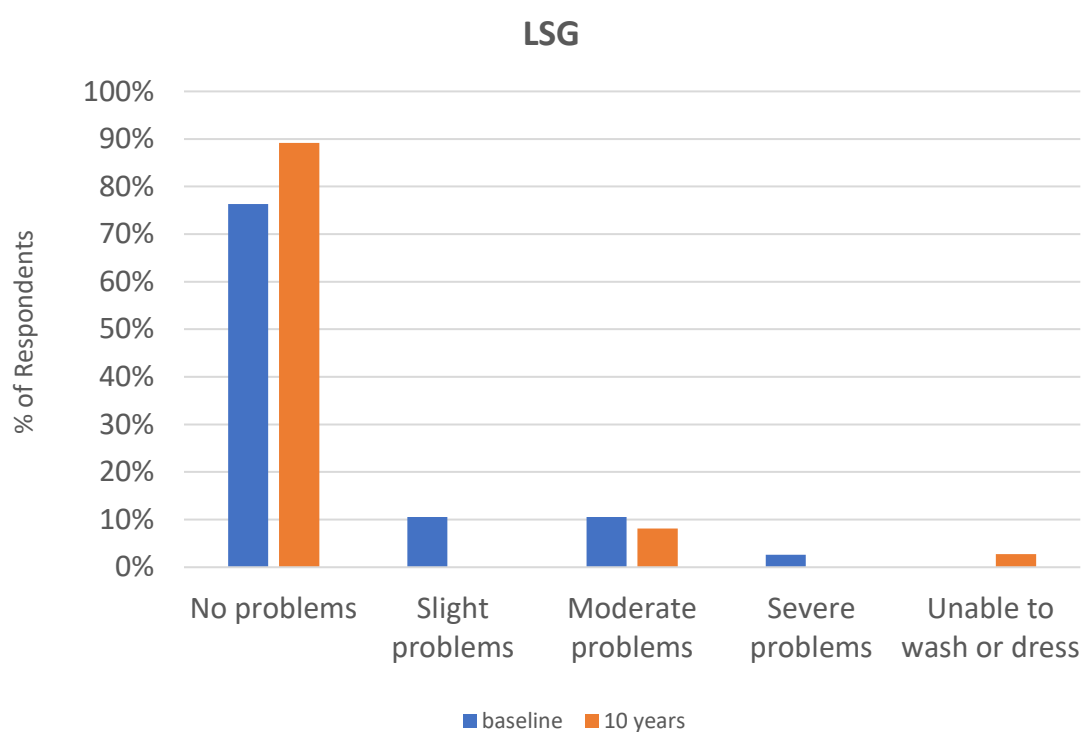




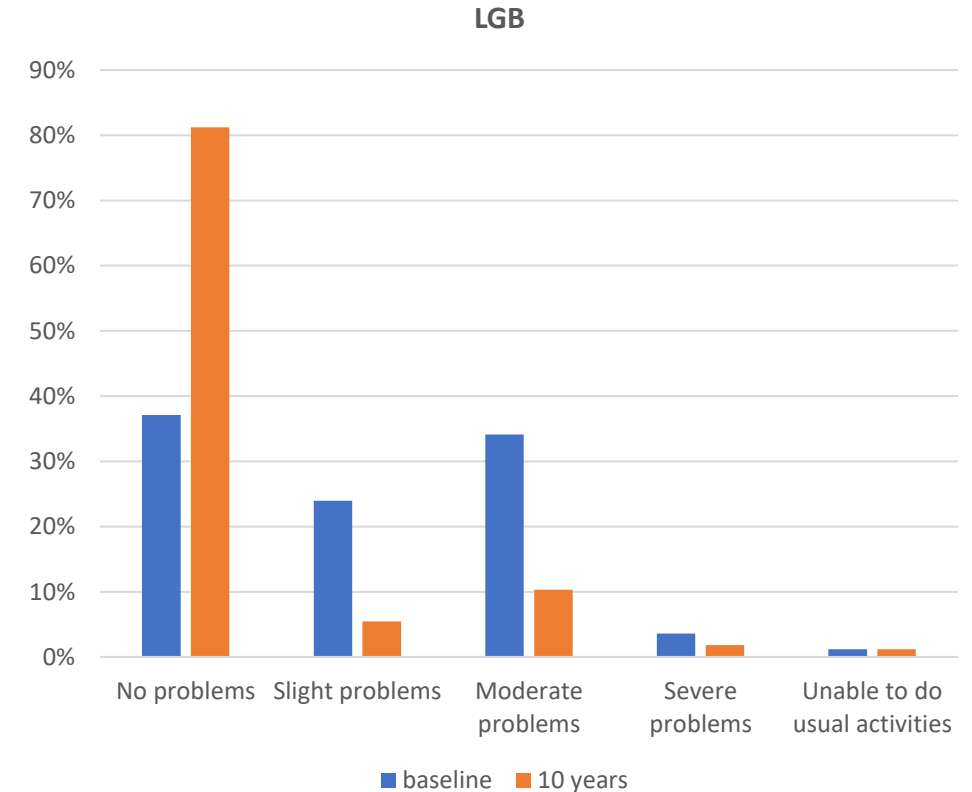
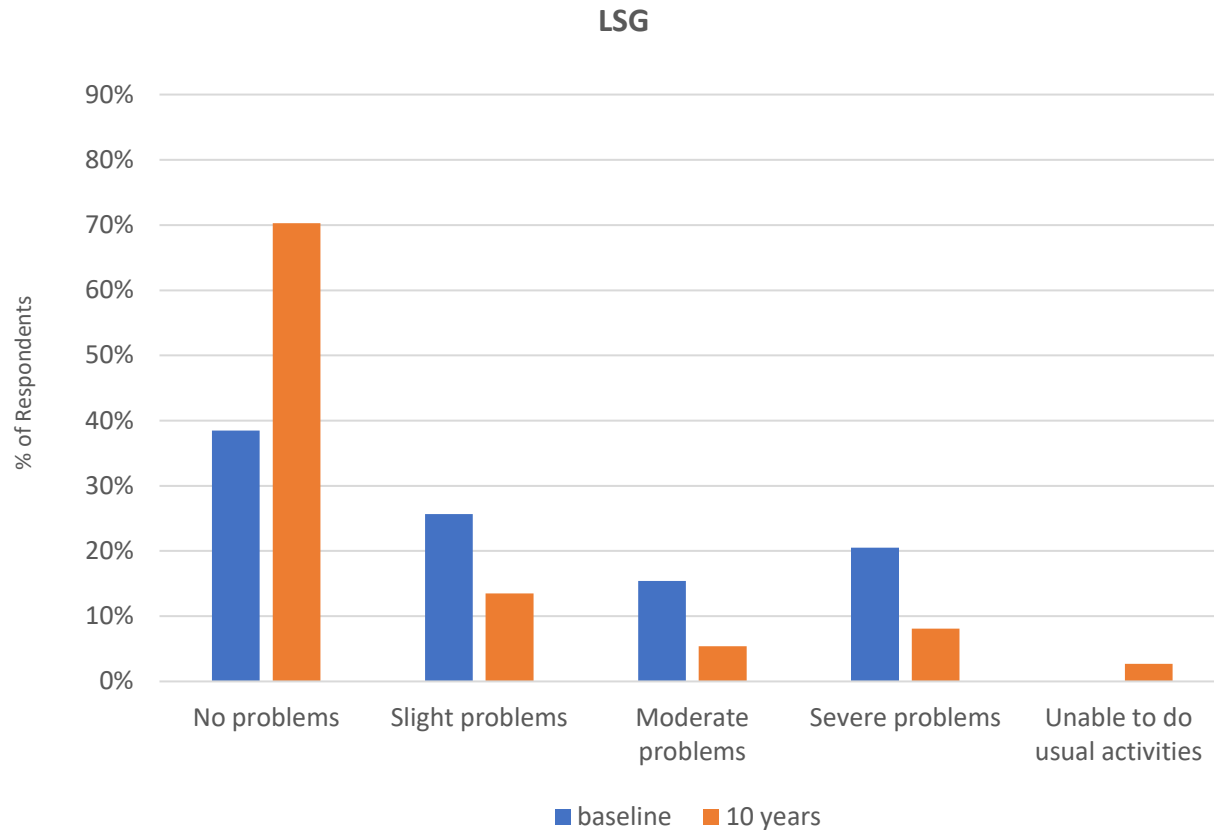
# Results: EQ-5D-5L: Mobility



# Results: EQ-5D-5L : Self Care

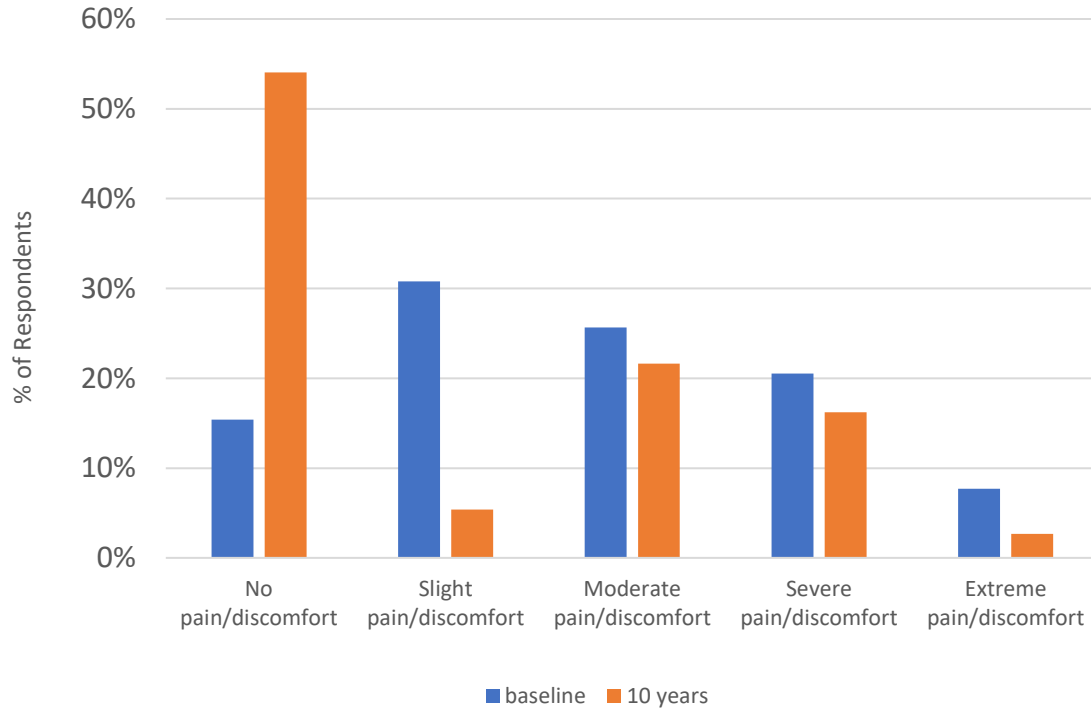


# Results: EQ-5D-5L : Usual Activities

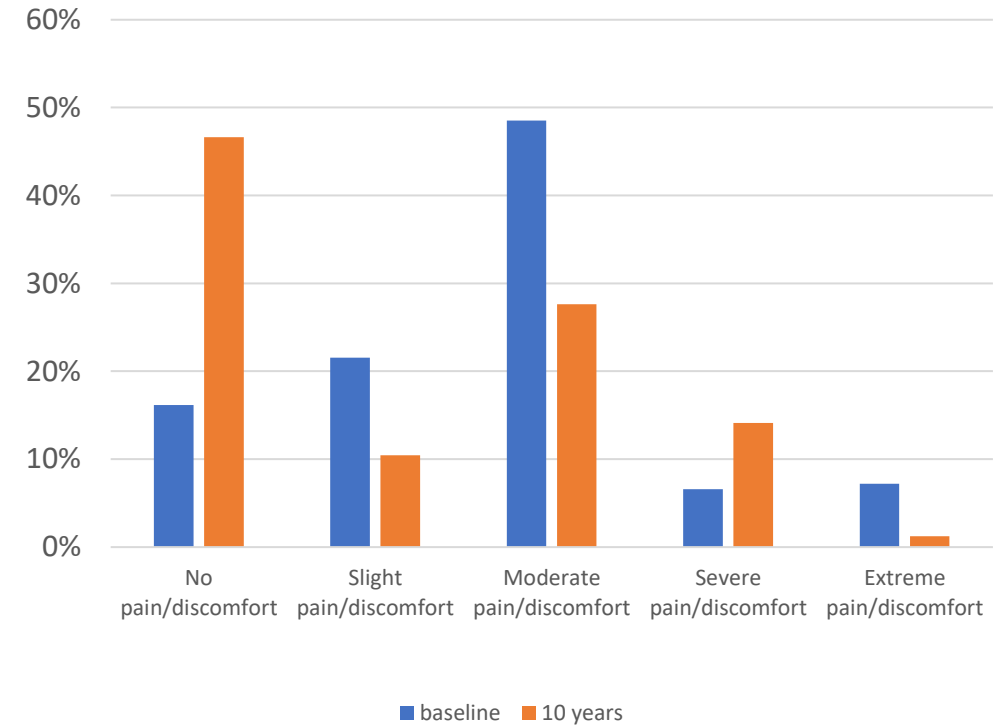


# Results: EQ-5D-5L: Pain / Discomfort

LSG

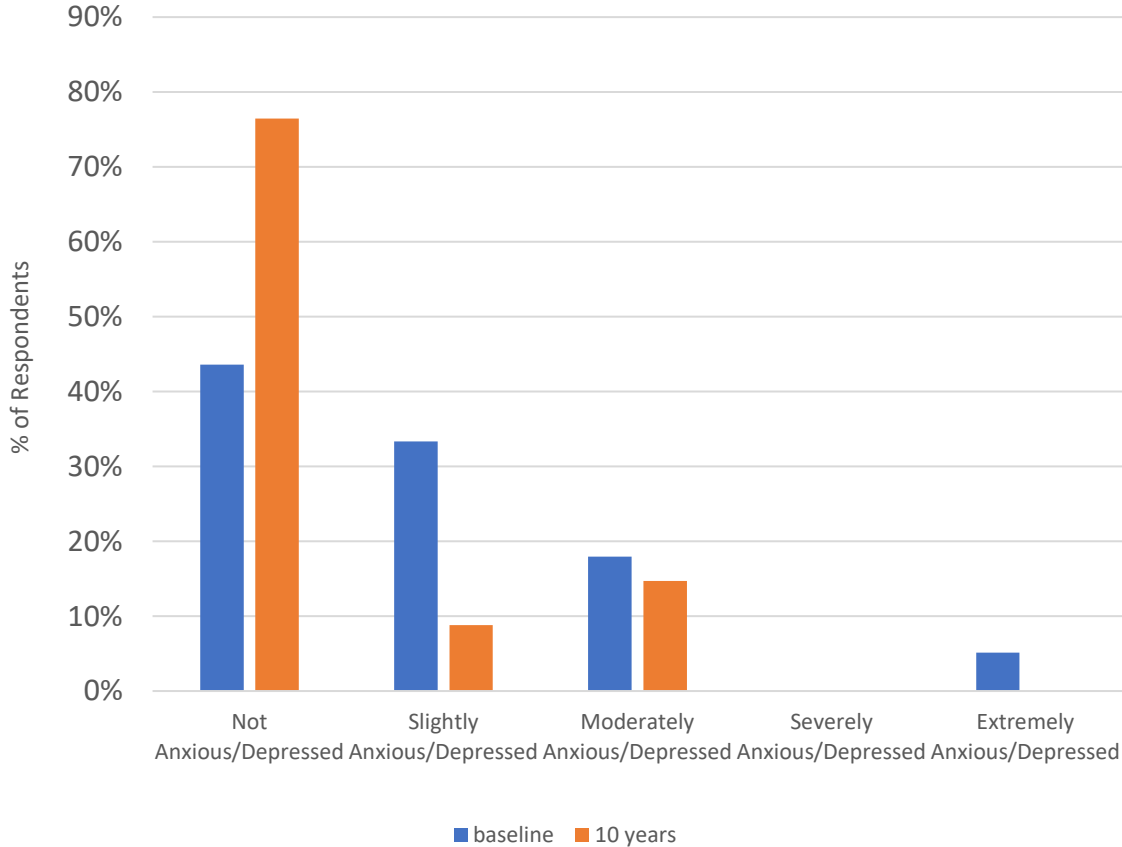


LGB

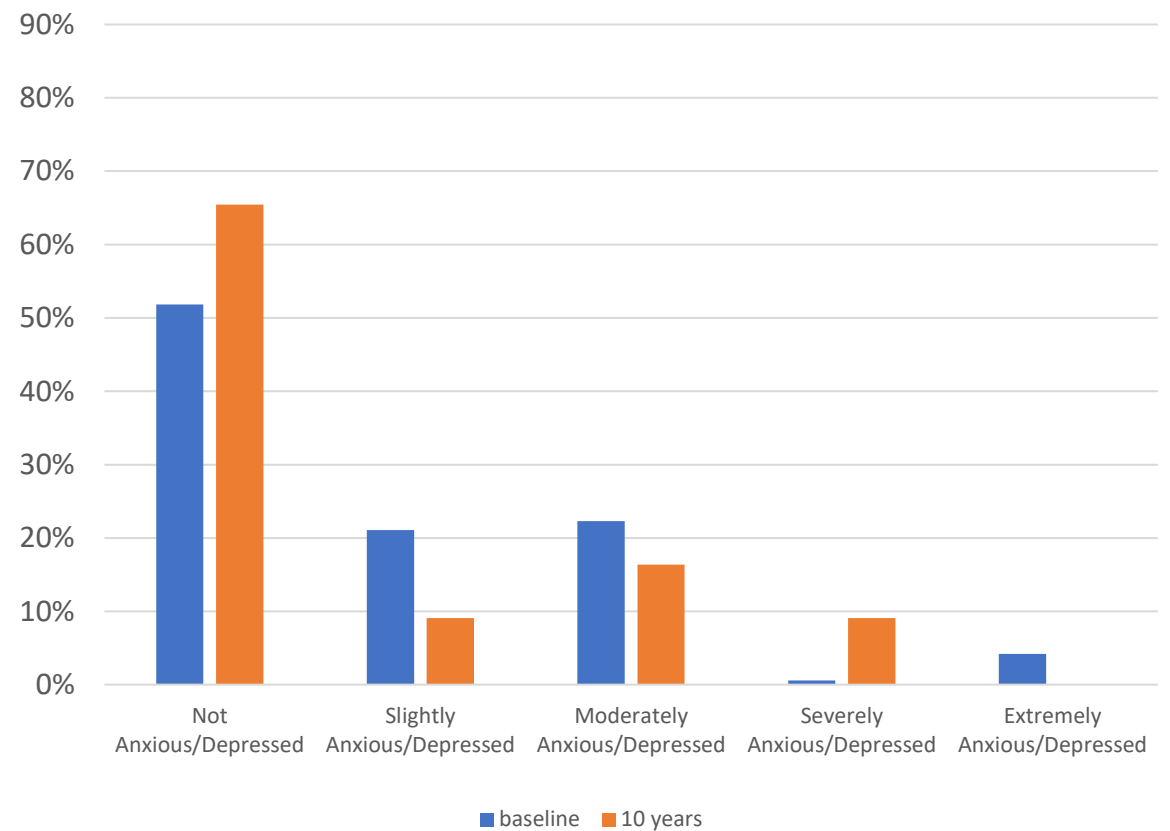


# Results: EQ-5D-5L: Anxiety/Depression

LSG

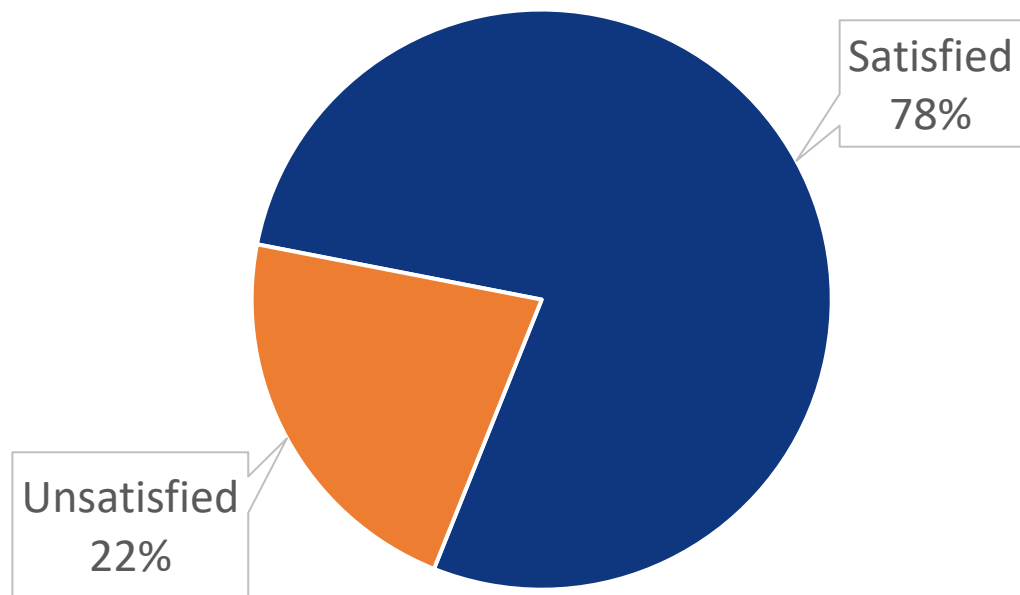


LGB

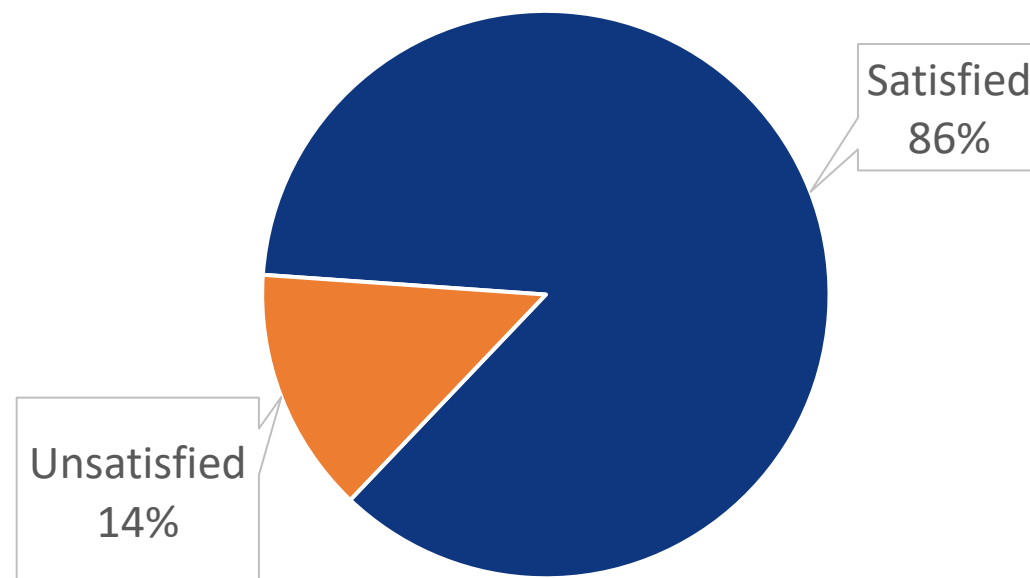


# Results: Patient Satisfaction after 10 Years

LSG



LGB



# Conclusion

Both sleeve gastrectomy and gastric bypass provide long-term improvement in health-related quality of life for patients with severe obesity, and patients remain highly satisfied with their bariatric treatment.