Table 1: Baseline characteristics of patients.

Characteristic	Laparoscopic silastic ring Roux-en-Y gastric bypass (n=52)	Laparoscopic sleeve gastrectomy (n=52)
Age—year	47.9±5.8	46.5±6.4
Female sex—no. (%)	31 (60)	25 (48)
Ethnicity—no. (%)		
NZ European	31 (60)	37 (71)
Māori	10 (19)	8 (15)
Pacific peoples	6 (12)	1 (2)
Other	5 (10)	6 (12)
Duration of diabetes—no. (%)		
<5 years	24 (46)	23 (44)
5–10 years	11 (21)	15 (29)
>10 years	17 (33)	14 (27)
Insulin usage—no. (%)	15 (29)	10 (19)
HbA1c—mmol/mol	63.8±18.3	60.7±11.4
Body weight—kg	123.2±21.9	125.4±24.4
BMI (kg/m^2) —no. (%)		
35–44.9	41 (79)	37 (71)
45–54.9	7 (13)	13 (25)
55–65	4 (8)	2 (4)

Plus-minus values are means ± SD.

Table 2: Proportion of patients on medication at baseline.

Medication class	Laparoscopic silastic ring Roux-en-Y gastric bypass (n=52) no. (%)	Laparoscopic sleeve gastrectomy (n=52) no. (%)
Oral anti-diabetic	47 (90)	43 (83)
Insulin	15 (29)	10 (19)
All cardiovascular	46 (88)	46 (88)
Anti-hypertensive	39 (75)	36 (69)
Anti-platelet	19 (37)	19 (37)
Lipid-lowering	37 (71)	31 (60)
All psychiatric	10 (19)	8 (15)
Anti-depressant	10 (19)	8 (15)
Proton-pump inhibitors	10 (19)	12 (23)
Analgesics	5 (10)	3 (6)
Gout	6 (12)	5 (10)
Nutritional supplementation	13 (25)	16 (21)

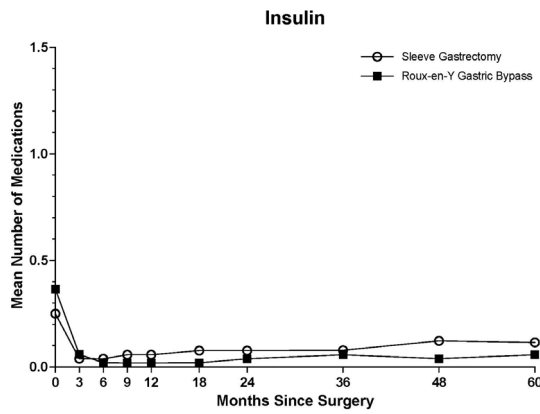**Figure 1:** All medication prescriptions following surgery.
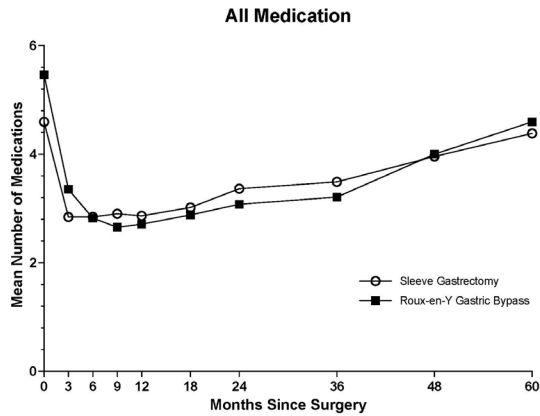
Overall time effect p <0.0001.

Figure 2: Oral anti-diabetic medication prescriptions following surgery.
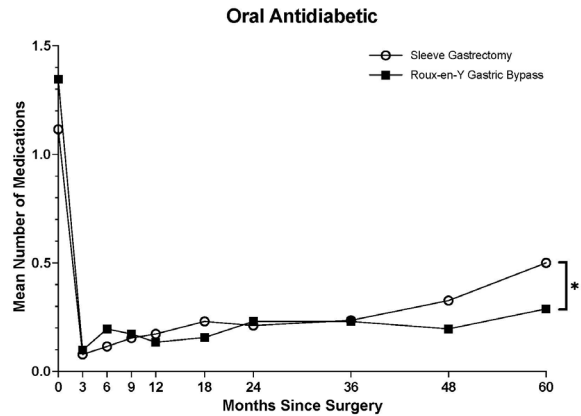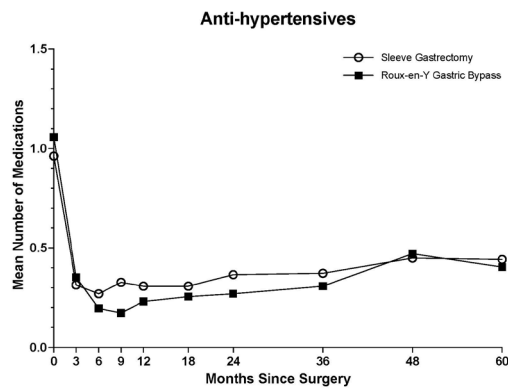

*Surgery group/time interaction p=0.036. Time effects: sleeve gastrectomy, p=0.008; gastric bypass, p=0.0002.

Figure 3: Insulin prescriptions following surgery.

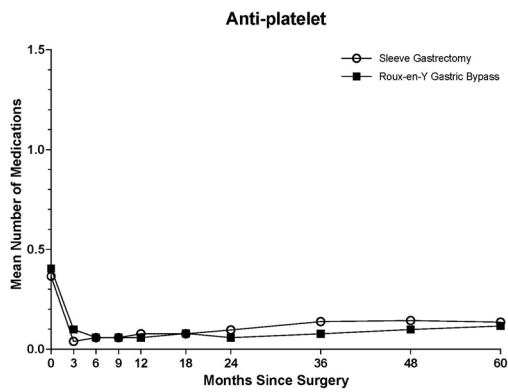Overall time effect p=0.009.

Figure 4: Anti-hypertensive prescriptions following surgery.
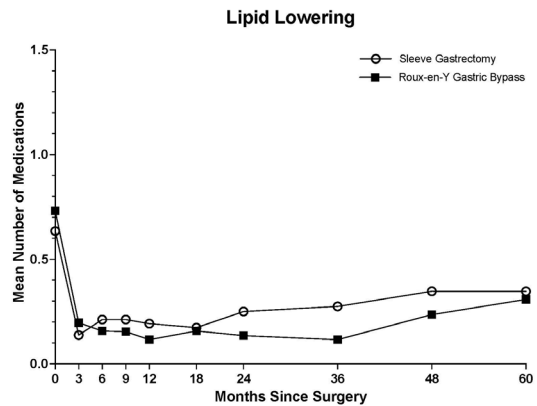

Overall time effect p <0.0001.

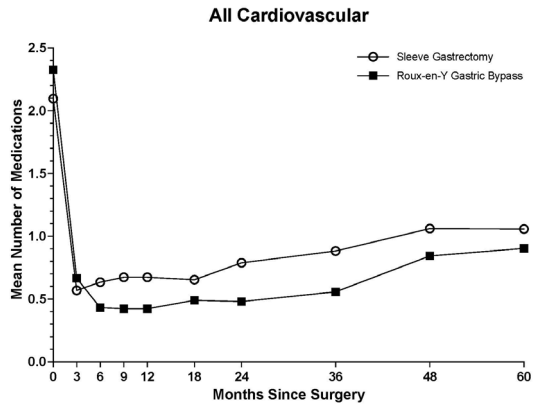**Figure 5:** Anti-platelet prescriptions following surgery.

Overall time effect p=0.001.

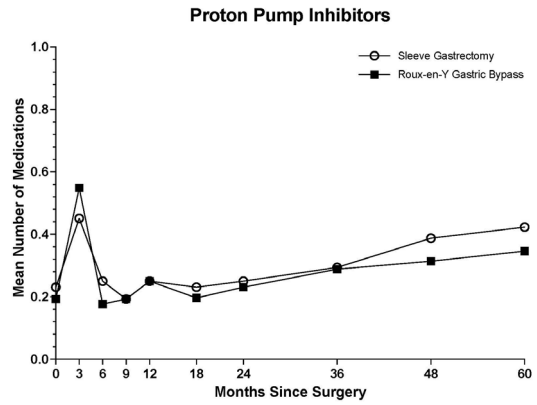**Figure 6:** Lipid-lowering prescriptions following surgery.

Overall time effect p <0.0001.

Figure 7: All cardiovascular medication prescriptions following surgery.
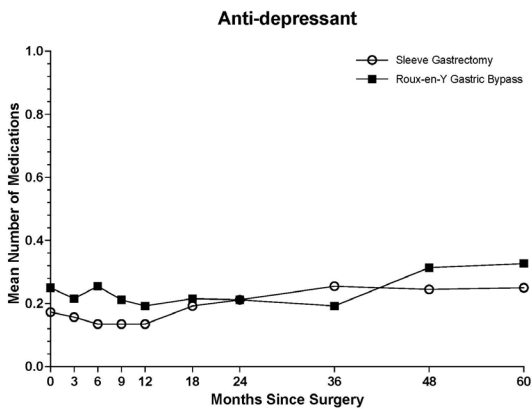

All Cardiovascular

Overall time effect p <0.0001.

Figure 8: Proton-pump inhibitor prescriptions following surgery.

Proton Pump Inhibitors

Overall time effect p <0.0001.

Figure 9: Anti-depressant prescriptions following surgery.

Anti-depressant

Overall time effect p=0.008.

Figure 10: All psychiatric medication prescriptions following surgery.
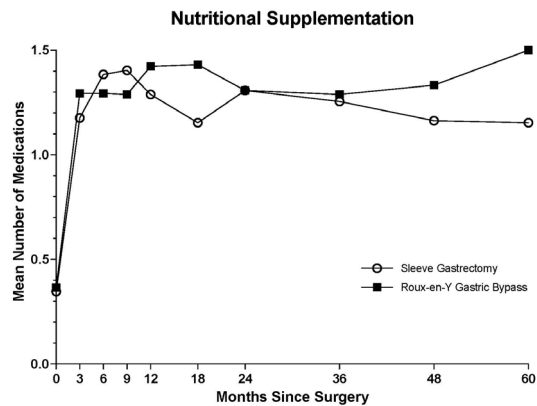

All Psychiatric
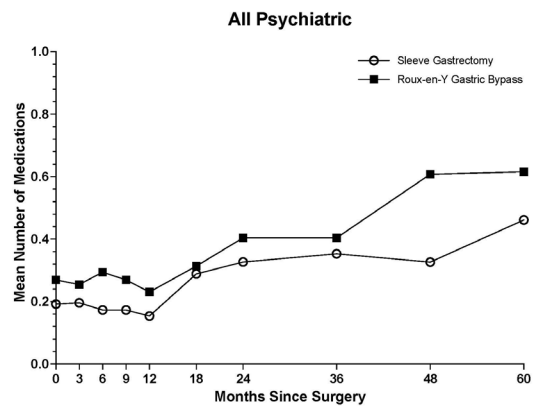
Overall time effect p <0.0001.

Figure 11: Analgesic medication prescriptions following surgery.

Analgesics
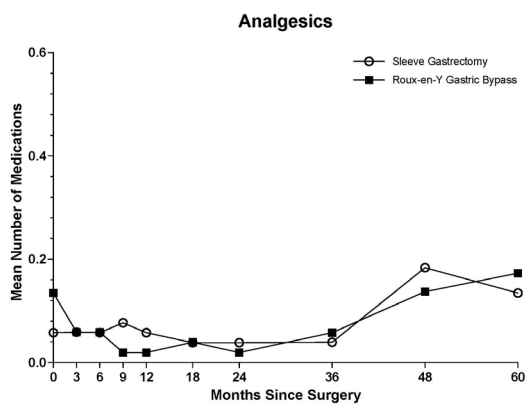
Overall time effect p=0.028.

Figure 12: Nutritional supplementation prescriptions following surgery.

Nutritional Supplementation

Overall time effect p <0.0001.

Figure 13: Gout medication prescriptions following surgery.

Gout
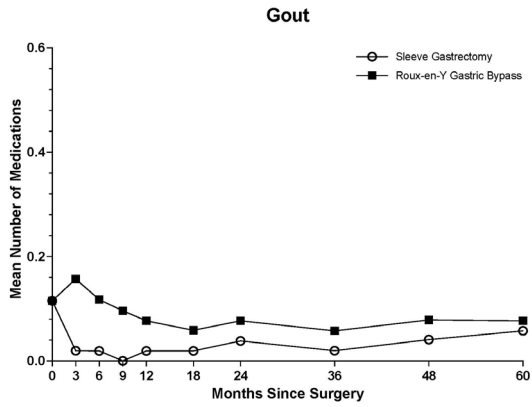
Overall time effect p=0.381.

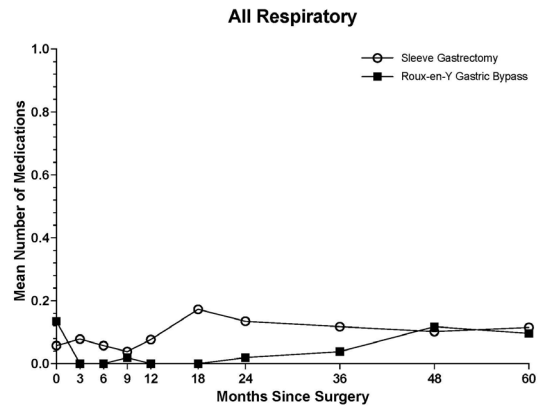**Figure 14:** All respiratory medication prescriptions following surgery.

All Respiratory

Overall time effect p=0.081.