

Report Supplementary Material 11 - Additional baseline tables

Supplementary table a. Baseline characteristics of NHS and privately-funded patients from the all operated sample of SCOTS participants.

		All Operated Sample – NHS Patients N = 321	All Operated Sample – Private Patients N = 15	P Value for Difference
Sex, N (%)	Male	84 (26.2)	1 (6.7)	0.09
	Female	237 (73.8)	14 (93.3)	
	Missing	0	0	
Age (years)	Mean (SD)	45.93 (9.23)	47.76 (7.33)	0.45
	Missing	0	0	
Age Group, N (%)	< 35 years	46 (14.3)	1 (6.7)	0.43
	35-44 years	83 (25.9)	3 (20.0)	
	45-49 years	79 (24.6)	7 (46.7)	
	50-54 years	59 (18.4)	2 (13.3)	
	55+ years	54 (16.8)	2 (13.3)	
	Missing	0	0	
SIMD Quintile, N (%)	Quintile 1 (most deprived)	98 (30.7)	0 (0.0)	<0.0001
	Quintile 2	83 (26.0)	0 (0.0)	
	Quintile 3	54 (16.9)	2 (13.3)	
	Quintile 4	50 (15.7)	7 (46.7)	
	Quintile 5 (least deprived)	34 (10.7)	6 (40.0)	
	Missing	2	0	
BMI at Start of Weight Management Programme	Median (Q1; Q3)	46.6	42.0	0.003
	Missing	1	0	
BMI Group at Start of Weight Management Programme, N (%)	BMI < 40	40 (12.5)	4 (26.7)	0.03
	BMI 40-44	83 (25.9)	8 (53.3)	
	BMI 45-49	90 (28.1)	2 (13.3)	
	BMI 50-54	54 (16.9)	1 (6.7)	
	BMI 55+	53 (16.6)	0 (0.0)	
	Missing	1	0	
Weight at Start of Weight Management Programme	Median (Q1; Q3)	129 (116; 147)	110 (101; 126)	< 0.001
	Missing	1	0	
BMI at Date of Initial Bariatric Surgery (kg/m ²)	Median (Q1; Q3)	43.1 (39.5; 48.8)	43.3 (40.8; 45.5)	1.00
	Missing	54	2	
BMI Group at Date of Initial Bariatric Surgery, N (%)	BMI < 40	78 (29.2)	2 (15.4)	0.38
	BMI 40-44	79 (29.6)	6 (46.2)	
	BMI 45-49	55 (20.6)	4 (30.8)	
	BMI 50-54	34 (12.7)	0 (0.0)	
	BMI 55+	21 (7.9)	1 (7.7)	
	Missing	54	2	
Weight at Date of Initial Bariatric Surgery (kg)*	Median (Q1; Q3)	121 (107; 136)	112 (104; 125)	0.35
	Missing	54	2	
Change in Weight from Start of Weight	Median (Q1; Q3)	-7.8 (-14.0; -2.7)	0.0 (0.0; -3.5)	<0.0001
	Missing	55	2	

Supplementary table b. Baseline characteristics of all operated NHS sample of SCOTS participants by presurgical pathway intensity category.

		All Operated NHS Sample N = 321	High Intensity N = 115	Medium/ Low Intensity N = 206	P Value for Difference
Sex, N (%)	Male	84 (26.2)	29 (25.2)	55 (26.7)	0.77
	Female	237 (73.8)	86 (74.8)	151 (73.3)	
	Missing	0	0	0	
Age (years)	Mean (SD)	45.93	47.96	44.79	0.003
	Missing	0	0	0	
Age Group, N (%)	< 35 years	46 (14.3)	11 (9.6)	35 (17.0)	0.05
	35-44 years	83 (25.9)	26 (22.6)	57 (27.7)	
	45-49 years	79 (24.6)	29 (25.2)	50 (24.3)	
	50-54 years	59 (18.4)	21 (18.3)	38 (18.4)	
	55+ years	54 (16.8)	28 (24.3)	26 (12.6)	
	Missing	0	0	0	
SIMD Quintile, N (%)	Quintile 1 (most	98 (30.7)	30 (26.1)	68 (33.3)	0.02
	Quintile 2	83 (26.0)	38 (33.0)	45 (22.1)	
	Quintile 3	54 (16.9)	23 (20.0)	31 (15.2)	
	Quintile 4	50 (15.7)	10 (8.7)	40 (19.6)	
	Quintile 5 (least	34 (10.7)	14 (12.2)	20 (9.8)	
	Missing	2	0	2	
BMI at Start of Weight Management Programme	Median (Q1; Q3)	46.6	45.5	47.5	0.01
	Missing	1	0	1	
BMI Group at Start of Weight Management Programme, N (%)	BMI < 40	40 (12.5)	21 (18.3)	19 (9.3)	0.09
	BMI 40-44	83 (25.9)	31 (27.0)	52 (25.4)	
	BMI 45-49	90 (28.1)	30 (26.1)	60 (29.3)	
	BMI 50-54	54 (16.9)	20 (17.4)	34 (16.6)	
	BMI 55+	53 (16.6)	13 (11.3)	40 (19.5)	
	Missing	1	0	1	
Weight at Start of Weight Management Programme	Median (Q1; Q3)	129	126	132	0.01
	Missing	1	0	1	
BMI at Date of Initial Bariatric Surgery (kg/m ²)	Median (Q1; Q3)	43.1	41.5	45.4	<0.0001
	Missing	54	7	47	
BMI Group at Date of Initial Bariatric Surgery, N (%)	BMI < 40	78 (29.2)	45 (41.7)	33 (20.8)	< 0.001
	BMI 40-44	79 (29.6)	34 (31.5)	45 (28.3)	
	BMI 45-49	55 (20.6)	14 (13.0)	41 (25.8)	
	BMI 50-54	34 (12.7)	10 (9.3)	24 (15.1)	
	BMI 55+	21 (7.9)	5 (4.6)	16 (10.1)	
	Missing	54	7	47	
Weight at Date of Initial Bariatric Surgery (kg)*	Median (Q1; Q3)	121	113	126	<0.0001
	Missing	54	7	47	
Change in Weight from Start of Weight	Median (Q1; Q3)	-7.8	-11	-5.1	<0.0001
	Missing	55	7	48	

Supplementary table c. Baseline sociodemographic characteristics and PROMs of the all operated with type 2 diabetes mellitus sample by operation type.

		All Operated with T2DM N = 182	LAGB N = 25	RYGB N = 83	SG N = 74
Sex, N (%)	Male	62 (34.1%)	9 (36.0%)	28 (33.7%)	25 (33.8%)
	Female	120 (65.9%)	16 (64.0%)	55 (66.3%)	49 (66.2%)
	Missing	0	0	0	0
Age (years)	Mean (SD)	47.19 (8.50)	47.74 (9.28)	46.19 (8.64)	48.12 (8.05)
	Missing	0	0	0	0
Age Group, N (%)	< 35 years	17 (9.3%)	3 (12.0%)	10 (12.0%)	4 (5.4%)
	35-44 years	43 (23.6%)	5 (20.0%)	21 (25.3%)	17 (23.0%)
	45-49 years	53 (29.1%)	6 (24.0%)	24 (28.9%)	23 (31.1%)
	50-54 years	32 (17.6%)	5 (20.0%)	15 (18.1%)	12 (16.2%)
	55+ years	37 (20.3%)	6 (24.0%)	13 (15.7%)	18 (24.3%)
	Missing	0	0	0	0
SIMD Quintile, N (%)	Quintile 1 (most deprived)	51 (28.2%)	8 (32.0%)	19 (22.9%)	24 (32.9%)
	Quintile 2	47 (26.0%)	6 (24.0%)	22 (26.5%)	19 (26.0%)
	Quintile 3	35 (19.3%)	6 (24.0%)	15 (18.1%)	14 (19.2%)
	Quintile 4	31 (17.1%)	5 (20.0%)	15 (18.1%)	11 (15.1%)
	Quintile 5 (least deprived)	17 (9.4%)	0 (0.0%)	12 (14.5%)	5 (6.8%)
	Missing	1	0	0	1
Weight at Start of Weight	Median (Q1; Q3)	130 (119; 150)	130 (118; 146)	130 (119; 146)	130 (120; 155)
	Missing	0	0	0	0
Weight at Date of Initial Bariatric	Median (Q1; Q3)	122 (110; 137)	123 (112; 136)	122 (109; 134)	122 (109; 139)
	Missing	30	0	21	9
Change in Weight from Start of Weight	Median (Q1; Q3)	-8.2 (-16; -2.6)	-4.4 (-17; 0.0)	-9.9 (-17; -3.6)	-7.8 (-15; -3.4)
	Missing	30	0	21	9
BMI at Date of Initial Bariatric Surgery	Median (Q1; Q3)	42.9 (39.5; 44.3)	42.8 (40.7; 44.3)	42.6 (37.6; 44.3)	44.3 (39.9; 47.8)
	Missing	30	0	21	9
BMI Group at Date of Initial Bariatric Surgery, N (%)	BMI < 40	42 (27.6%)	4 (16.0%)	21 (33.9%)	17 (26.2%)
	BMI 40-44	51 (33.6%)	13 (52.0%)	20 (32.3%)	18 (27.7%)
	BMI 45-49	33 (21.7%)	5 (20.0%)	11 (17.7%)	17 (26.2%)
	BMI 50-54	16 (10.5%)	2 (8.0%)	7 (11.3%)	7 (10.8%)
	BMI 55+	10 (6.6%)	1 (4.0%)	3 (4.8%)	6 (9.2%)
	Missing	30	0	21	9
Marital Status, N (%)	Married/Civil Partnership/Living as	81 (65.3%)	15 (71.4%)	36 (63.2%)	30 (65.2%)
	Other (Single/Separated/Divorced)	43 (34.7%)	6 (28.6%)	21 (36.8%)	16 (34.8%)
	Missing	58	4	26	28
Ethnic Group, N (%)	White	124 (98.4%)	21 (100.0%)	56 (96.6%)	47 (100.0%)
	Mixed	1 (0.8%)	0 (0.0%)	1 (1.7%)	0 (0.0%)
	Asian/Asian Scottish/Asian British	1 (0.8%)	0 (0.0%)	1 (1.7%)	0 (0.0%)
	African Caribbean/Black	0	0	0	0
	Other	0	0	0	0
	Missing	57	5	25	27

		All Operated with T2DM N = 182	LAGB N = 25	RYGB N = 83	SG N = 74
Comorbidities/ Other Baseline Results	<u>Medical</u>				
	N (%) Self-reported Comorbidities:				
	None	0 (0.0%)	0 (0.0%)	0 (0.0%)	0 (0.0%)
	1-2	35 (28.0%)	7 (35.0%)	20 (34.5%)	8 (17.0%)
	≥3	90 (72.0%)	13 (65.0%)	38 (65.5%)	39 (83.0%)
	Missing	57	5	25	27
	<u>Mental- Depression</u>				
	Median (Q1; Q3) preop PHQ-9 score	9.0 (4.0; 13.0)	8.0 (7.0; 13.0)	9.0 (4.0; 14.0)	10.0 (4.0; 14.0)
	N (%) PHQ-9 score ≥10	54 (44.6%)	8 (42.1%)	22 (40.0%)	24 (51.1%)
	Missing	61	6	28	27
	<u>Mental - Anxiety</u>				
	Median (Q1; Q3) preop GAD-7 score	5.0 (2.0; 10.0)	7.0 (4.0; 12.0)	4.0 (2.0; 10.0)	5.0 (2.0; 10.0)
	N (%) GAD-7 score ≥6 (moderate to	51 (42.1%)	12 (63.2%)	18 (32.7%)	21 (44.7%)
	Missing	61	6	28	27
	<u>QoL</u>				
	Preop mean (SD) SF-12 PCS score	37.58 (11.42)	41.88 (11.56)	37.60 (11.15)	35.92 (11.47)
	Missing	65	7	31	27
	Preop median (Q1; Q3) EQ-5D-5L score	0.6 (0.3; 0.8)	0.7 (0.4; 0.8)	0.7 (0.3; 0.8)	0.6 (0.3; 0.7)
	Missing	65	6	29	30
	Preop mean (SD) EQ-5D-5L VAS	56.50 (23.79)	61.11 (28.52)	56.98 (24.90)	53.91 (20.09)
	Missing	64	6	28	30
	Preop mean (SD) IWQOL-Lite Physical	44.70 (25.08)	44.26 (25.99)	48.06 (25.22)	40.96 (24.53)
	Missing	61	6	28	27
	Preop mean (SD) IWQOL-Lite Total	42.44 (21.54)	38.03 (21.60)	44.49 (22.44)	41.82 (20.58)
	Missing	61	6	28	27
<u>Life Optimism</u>					
Preop mean (SD) LOT score	12.56 (4.58)	14.05 (4.40)	12.60 (5.09)	11.89 (3.93)	
Missing	65	6	30	29	
<u>N (%) Preop Smoking Status</u>					
Current	5 (4.1%)	0 (0.0%)	1 (1.8%)	4 (8.5%)	
Former	53 (43.8%)	8 (42.1%)	24 (43.6%)	21 (44.7%)	
Never	63 (52.1%)	11 (57.9%)	30 (54.5%)	22 (46.8%)	
Missing	61	6	28	27	
<u>Alcohol Use</u>					
Preop median (Q1; Q3) AUDIT score	3.0 (1.0; 5.5)	4.0 (1.0; 6.0)	2.0 (1.0; 6.0)	3.0 (1.0; 4.0)	

	All Operated with T2DM N = 182	LAGB N = 25	RYGB N = 83	SG N = 74
Missing	66	7	30	29
<u>Physical Activity</u>				
N (%) ≥ 1 walking, moderate or	102 (84.3%)	16 (84.2%)	46 (83.6%)	40 (85.1%)
Missing	61	6	28	27
Preop median (Q1; Q3) IPAQ score**	1288.5 (438.0;	1039.5 (480.0;	1381.5 (480.0;	1200.0 (396.0;
Missing	110	12	49	49