

**Supplementary Table 1 (S1): Confidence in treatment of obesity**

	Obesity training hours (Quartiles)				Overall N=73
	1st	2 <sup>nd</sup>	3 <sup>rd</sup>	4 <sup>th</sup>	
	N=22	N=18	N=16	N=17	
<b>I am generally successful in treating obesity in children, adolescents, and young adults with obesity (n, %)</b>					
Strongly disagree/ Disagree	20 (90.9)	13 (72.2)	14 (87.5)	9 (52.9)	56 (76.7)
Neutral	1 (4.6)	3 (16.7)	2 (12.5)	7 (41.2)	13 (17.8)
Strongly agree/ Agree	1 (4.6)	2 (11.1)	0	1 (5.9)	4 (5.5)
<b>I feel I am well trained to provide nutrition counseling to children, adolescent, and young adult patients with obesity (n, %)</b>					
Not Confident	13 (59.1)	10 (55.6)	8 (50.0)	5 (29.4)	36 (49.3)
Confident	9 (40.9)	8 (44.4)	8 (50.0)	12 (70.6)	37 (50.7)
<b>I feel I am well trained to provide exercise counseling to children, adolescents, and young adult patients with obesity (n, %)</b>					
Not Confident	11 (50.0)	8 (44.4)	6 (37.5)	4 (23.5)	29 (39.7)
Confident	11 (50.0)	10 (55.6)	10 (62.5)	13 (76.5)	44 (60.3)
<b>I feel confident to provide motivational interviewing to children, adolescent, and young adult patients with obesity (n, %)</b>					
Not Confident	15 (68.2)	12 (66.7)	10 (62.5)	9 (52.9)	46 (63.0)
Confident	7 (31.8)	6(33.3)	6 (37.5)	8 (47.1)	27 (37.0)
<b>I feel confident about utilization of weight loss medications as a treatment of obesity (n, %)</b>					
Not Confident	16 (72.7)	16 (88.9)	15 (93.8)	16 (94.1)	63 (86.3)
Confident	6 (27.3)	2 (11.1)	1 (6.3)	1(5.9)	10 (13.7)
<b>I feel confident when discussing potential eligibility for bariatric surgery with pediatric patients (n, %)</b>					
Not Confident	20 (90.9)	17 (94.4)	12 (75.0)	15 (88.2)	64 (87.7)
Confident	2 (9.1)	1 (5.6)	4 (25.0)	2 (11.8)	9 (12.3)
<b>I feel confident about providing patient care before bariatric surgery (n, %)</b>					
Not Confident	17 (94.4)	17 (94.4)	13 (81.3)	13 (76.5)	60 (82.2)
Confident	5 (22.7)	1 (5.6)	3 (18.8)	4 (23.5)	13 (17.8)
<b>I feel confident about providing patient care after bariatric surgery (n, %)</b>					
Not Confident	17 (77.3)	16 (88.9)	12 (75.0)	13 (76.5)	58 (79.5)
Confident	5 (22.7)	2 (11.1)	4 (23.5)	4 (23.5)	15 (20.6)

Supplementary Table 2 (S2): Provider Perceptions Regarding Contributors to Obesity - Multivariable Ordered Logistic Regression

Contributor	Restaurant/ Fast Food eating		Consumption of Sugar-sweetened beverages		Physical inactivity		Poor nutritional habits		Repeated dieting (weight cycling)		Psychological problems	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
<b>Training hours (quartile)</b>												
1st	ref	---	ref	---	ref	---	ref	---	ref	---	ref	---
2nd	1.13 (0.2 – 6.5)	>0.1	4.41 (0.7 – 28.9)	>0.1	0.18 (0.0 – 2.0)	>0.1	---	---	2.51 (0.6 – 10.2)	>0.1	2.93 (0.8 – 11.4)	>0.1
3rd	0.73 (0.1 – 4.2)	>0.1	2.88 (0.5 – 17.9)	>0.1	0.28 (0.0 – 3.4)	>0.1	0.44 (0.1 – 2.7)	>0.1	2.15 (0.5 – 9.4)	>0.1	1.71 (0.4 – 6.8)	>0.1
4th	0.62 (0.1 – 3.6)	>0.1	3.93 (0.5 – 28.5)	>0.1	0.38 (0.0 – 5.5)	>0.1	1.07 (0.2 – 7.4)	>0.1	2.14 (0.4 – 10.3)	>0.1	2.26 (0.5 – 9.4)	>0.1
<b>BMI class</b>												
Normal	ref	---	ref	---	ref	---	ref	---	ref	---	ref	---
Overweight	0.13 (0.0 – 1.7)	>0.1	0.13 (0.0 – 1.1)	0.06	0.11 (0.0 – 1.1)	0.06	0.29 (0.0 – 2.8)	>0.1	1.37 (0.2 – 7.5)	>0.1	2.52 (0.5 – 12.3)	>0.1
Obesity	0.02 (0.0 – 0.4)	<b>0.009</b>	0.15 (0.0 – 1.7)	>0.1	0.09 (0.0 – 1.4)	0.08	0.12 (0.0 – 2.1)	>0.1	1.49 (0.2 – 9.0)	>0.1	1.08 (0.2 – 5.7)	>0.1
<b>Overweight/Obesity previously</b>	17.85 (1.2 – 265.6)	<b>0.04</b>	10.36 (1.2 – 92.5)	<b>0.04</b>	4.38 (0.5 – 40.0)	>0.1	3.83 (0.3 – 42.6)	>0.1	0.79 (0.2 – 3.8)	>0.1	1.06 (0.2 – 4.5)	>0.1
<b>Specialty</b>												
Internal Medicine/Pediatrics	ref	---	ref	---	ref	---	ref	---	ref	---	ref	---
Pediatrics	4.55 (1.2 – 17.3)	<b>0.03</b>	1.14 (0.3 – 4.7)	>0.1	0.92 (0.2 – 5.2)	>0.1	0.14 (0.0 – 1.4)	0.09	0.28 (0.1 – 0.9)	<b>0.03</b>	1.02 (0.3 – 3.1)	>0.1

OR indicates odds ratio derived from ordered (aka ordinal) logistic regression model, which assumes proportional odds between each level of the dependent variable.

**Supplementary Table 2 (S2): Provider Perceptions Regarding Contributors to Obesity - Multivariable Ordered Logistic Regression, cont'd**

Contributor	Lack of willpower		Genetic factors		Metabolic defect/ Endocrine disorder		Medications (e.g. prednisone, insulin)		Osteoarthritis or other mobility problems	
	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value	OR (95% CI)	P value
<b>Training hours (quartile)</b>										
1st	ref	---	ref	---	ref	---	ref	---	ref	---
2nd	0.61 (0.2 – 2.1)	>0.1	2.77 (0.6 – 13.6)	>0.1	0.41 (0.1 – 2.5)	>0.1	0.81 (0.2 – 3.3)	>0.1	1.09 (0.3 – 4.4)	>0.1
3rd	0.47 (0.1 – 2.0)	>0.1	2.31 (0.4 – 12.0)	>0.1	0.22 (0.0 – 1.8)	>0.1	0.67 (0.1 – 3.0)	>0.1	0.51 (0.1 – 2.3)	>0.1
4th	0.87 (0.2 – 3.4)	>0.1	0.47 (0.1 – 2.1)	>0.1	1.47 (0.3 – 7.9)	>0.1	0.78 (0.2 – 3.7)	>0.1	0.84 (0.2 – 3.7)	>0.1
<b>BMI class</b>										
Normal	ref	---	ref	---	ref	---	ref	---	ref	---
Overweight	1.94 (0.4 – 8.8)	>0.1	10.47 (1.2 – 88.2)	<b>0.03</b>	2.21 (0.3 – 15.8)	>0.1	0.87 (0.2 – 4.6)	>0.1	3.40 (0.7 – 16.3)	>0.1
Obesity	2.57 (0.5 – 12.3)	>0.1	2.38 (0.4 – 16.0)	>0.1	0.67 (0.1 – 6.4)	>0.1	0.95 (0.2 – 5.5)	>0.1	1.04 (0.2 – 5.6)	>0.1
<b>Overweight/Obesity previously</b>	0.69 (0.2 – 2.8)	>0.1	0.47 (0.1 – 2.7)	>0.1	0.92 (0.1 – 6.1)	>0.1	0.72 (0.2 – 3.3)	>0.1	0.41 (0.1 – 1.7)	>0.1
<b>Specialty</b>										
Internal Medicine/Pediatrics	ref	---	ref	---	ref	---	ref	---	ref	---
Pediatrics	3.88 (1.3 – 11.9)	<b>0.02</b>	0.67 (0.2 – 2.5)	>0.1	0.51 (0.1 – 2.1)	>0.1	0.36 (0.1 – 1.2)	0.09	0.24 (0.1 – 0.8)	<b>0.02</b>

OR indicates odds ratio derived from ordered (aka ordinal) logistic regression model, which assumes proportional odds between each level of the dependent variable.

Supplementary Table 3 (S3): Personal habits of providers

	Obesity training hours (Quartiles)				Overall N=73
	1st	2 <sup>nd</sup>	3rd	4th	
	N=22	N=18	N=16	N=17	
<b>Do you consider yourself to have good nutritional habits? (n, %)</b>					
Infrequently/almost never	1 (4.6)	1 (5.6)	0	0	2 (2.7)
Neutral	3 (13.6)	2 (11.1)	4 (25.0)	1 (5.9)	10 (13.7)
Frequently/almost always	18 (81.8)	15 (83.3)	12 (75.0)	16 (94.1)	61 (83.6)
<b>Do you perform regular physical activity of at least 150 minutes of moderate intensity or 75 minutes of vigorous activity weekly? (n, %)</b>					
Infrequently/almost never	3 (13.6)	2 (11.1)	2 (12.5)	2 (11.8)	9 (12.3)
Neutral	4 (18.2)	3 (16.7)	3 (18.8)	3 (17.7)	13 (17.8)
Frequently/almost always	15 (68.2)	13 (72.2)	11 (68.9)	12 (70.6)	52 (70.6)
<b>Do you use techniques to reduce stress? e.g. yoga, meditation, prayer? (n, %)</b>					
Infrequently/almost never	13 (59.1)	4 (22.2)	9 (56.3)	8 (47.1)	34 (46.6)
Neutral	2 (9.1)	9 (50.0)	5 (31.3)	3 (17.7)	19 (26.0)
Frequently/almost always	7 (31.8)	5 (27.8)	2 (12.5)	6 (35.3)	20 (27.4)
<b>Do you use smartphone applications to help you manage your weight? (n, %)</b>					
Infrequently/almost never	18 (81.8)	14 (77.8)	11 (68.8)	14 (82.4)	57 (78.1)
Neutral	1 (4.6)	3 (16.7)	3 (18.8)	2 (11.8)	9 (12.3)
Frequently/almost always	3 (13.6)	1 (5.6)	2 (12.5)	1 (5.9)	7 (9.6)