

Supplementary Table 1. Baseline characteristics before and after IPTW

Variable	Before IPTW			After IPTW		
	Probable OHS (n = 16)	Obese non- probable OHS (n = 515)	SMD	Probable OHS (n = 16)	Obese non- probable OHS (n = 59)	SMD
Male	8 (50.0)	317 (61.6)	0.234	8.0 (50.0)	30.0 (50.9)	0.018
Age (yr)	66 [51–79]	65 [53–73]	0.089	65 [50–78]	66 [57–76]	0.012
BMI (kg/m ²)	34.0 [30.8–35.5]	28.9 [27.8–30.8]	1.077	33.9 [29.6–35.3]	32.6 [29.8–35.6]	0.026
Former or current smoker	5 (31.2)	136 (26.4)	0.107	5.0 (31.2)	16.7 (28.4)	0.063
Comorbidity						
Hypertension	9 (56.2)	145 (28.2)	0.593	9.0 (56.2)	29.4 (49.9)	0.128
Type 2 diabetes	11 (68.8)	172 (33.4)	0.756	11.0 (68.8)	41.3 (70.0)	0.028
Dyslipidemia	5 (31.2)	95 (18.4)	0.300	5.0 (31.2)	17.5 (29.7)	0.035
COPD	4 (25.0)	35 (6.8)	0.514	4.0 (25.0)	11.5 (19.6)	0.131
Asthma	3 (18.8)	29 (5.6)	0.409	3.0 (18.8)	7.8 (13.2)	0.151
Coronary artery disease	5 (31.2)	124 (24.1)	0.161	5.0 (31.2)	18.7 (31.7)	0.009
Stroke	0 (0)	46 (8.9)	0.443	0.0 (0.0)	0.0 (0.0)	<0.001
Congestive heart failure	6 (37.5)	70 (13.6)	0.570	6.0 (37.5)	18.9 (32.1)	0.114
Atrial fibrillation	4 (25.0)	75 (14.6)	0.264	4.0 (25.0)	13.2 (22.3)	0.063
Cancer	3 (18.8)	231 (44.9)	0.584	3.0 (18.8)	10.2 (17.2)	0.040
Chronic kidney disease	5 (31.2)	100 (19.4)	0.275	5.0 (31.2)	19.4 (32.8)	0.034
GERD	7 (43.8)	72 (14.0)	0.696	7.0 (43.8)	22.8 (38.7)	0.103
Depression	3 (18.8)	34 (6.6)	0.371	3.0 (18.8)	13.0 (22.0)	0.081
Number of prior hospitalizations	2 [1–7]	1 [0–5]	0.051	1 [1–7]	2 [0–6]	0.044

Data are presented as median [interquartile range] or n (%), as appropriate.

BMI, body mass index; COPD, chronic obstructive pulmonary disease; GERD, gastroesophageal reflux disease; IPTW, inverse probability of treatment weighting; OHS, obesity hypoventilation syndrome; SMD, standardized mean difference.

Weighted statistics were rescaled to reflect the effective sample size. Weighted effective sample size: obese non-probable OHS (n = 59), probable OHS (n = 16). Values are weighted using the survey design. Covariate balance was assessed using cobalt's bal.tab() and love.plot().