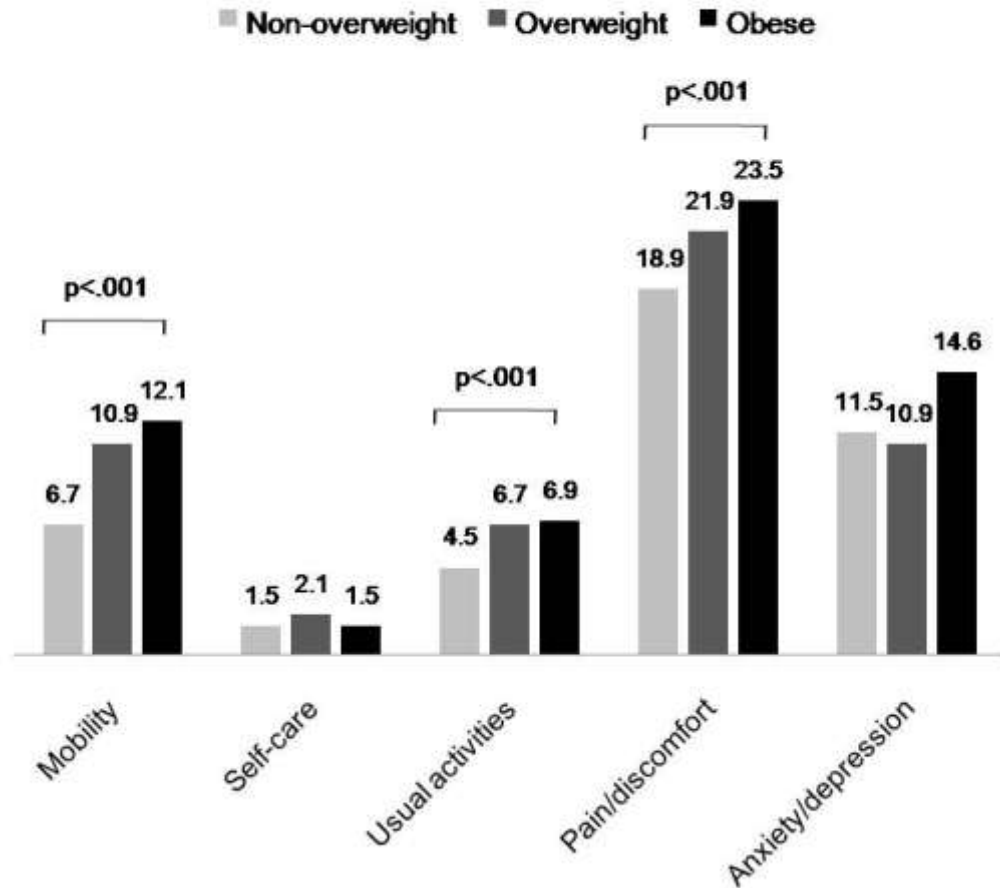


Prevalence of any problem in each domain of EQ-5D  
According to BMI category (%)

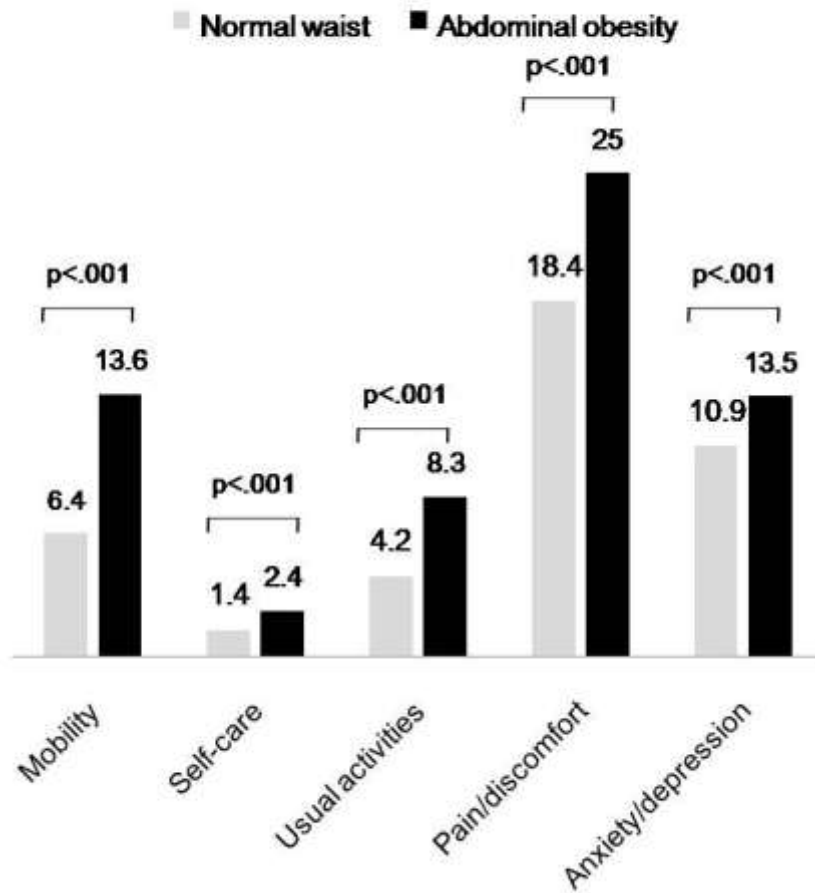


**Supplemental Figure 1.** Prevalence of any problem in each domain of EQ-5D according to BMI category (N=13,754)

BMI, body mass index

P-values are obtained by chi-square tests

Prevalence of any problem in each domain of EQ-5D  
According to WC category (%)



**Supplemental Figure 2.** Prevalence of any problem in each domain of EQ-5D according to WC category (N=13,754)

WC, waist circumference

P-values are obtained by chi-square tests

Supplemental Table 1. Crude associations between BMI category and each domain of EQ-5D by gender (N=13,754)

	Men (n=5,922)				Women (n=7,832)			
	Non-overweight	Overweight	obese	p-value <sup>a</sup>	Non-overweight	Overweight	obese	p-value <sup>a</sup>
Mobility				.127				<.001
Any problem	253(5.3)	158 (6.7)	16 (6.6)		530 (7.9)	361 (17.8)	62 (18.2)	
None	3,366 (94.7)	1,830 (93.3)	209 (92.4)		5,38 (92.1)	1,414 (82.2)	244 (81.8)	
Self-care				-				<.001
Any problem	75 (1.6)	35 (1.5)	0 (0.0)		101 (1.5)	59 (3.0)	14 (3.3)	
None	3,544 (98.4)	1,953 (98.5)	225 (100.0)		5,567 (98.5)	1,716 (97.0)	292 (96.7)	
Usual activities				.801				<.001
Any problem	186 (3.9)	98 (4.1)	8 (3.1)		341 (5.0)	213 (10.9)	42 (11.3)	
None	3,433 (96.1)	1,890 (95.9)	217 (96.9)		5,327 (95.0)	1,562 (89.1)	264 (88.7)	
Pain/discomfort				.945				<.001
Any problem	604 (15.2)	327 (15.6)	33 (15.5)		1,324 (22.1)	591 (32.4)	104 (32.5)	
None	3,014 (84.8)	1,661 (84.4)	192 (84.5)		4,344 (77.9)	1,184 (67.6)	202 (67.5)	
Anxiety/depression				.111				<.001
Any problem	282 (7.2)	121 (5.6)	16 (8.1)		864 (15.2)	337 (19.5)	64 (21.8)	
None	3,337 (92.8)	1,867 (94.4)	209 (91.9)		4,804 (84.3)	1,438 (81.5)	242 (78.2)	

BMI=body mass index

<sup>a</sup>Significance levels analyzed with chi-square tests

Supplemental Table 2. Multivariate associations between BMI category and each domain of EQ-5D by gender (N=13,754)

	Odds ratio (95% confidence interval)					
	Men (n=5,922)			Women (n=7,832)		
	Non-overweight	Overweight	Obese	Non-overweight	Overweight	Obese
Mobility	reference	<b>1.3 (1.02 – 1.65)</b>	1.2 (0.59 – 2.61)	reference	<b>1.4 (1.18 – 1.69)</b>	<b>1.6 (1.10 – 2.38)</b>
Self-care	reference	1.0 (0.60 – 1.61)	0.0 (0.00 – 0.00)	reference	1.0 (0.68 – 1.54)	1.1 (0.59 – 2.11)
Usual activities	reference	1.1 (0.80 – 1.55)	0.6 (0.22 – 1.79)	reference	<b>1.3 (1.01 – 1.62)</b>	1.4 (0.90 – 2.22)
Pain/discomfort	reference	1.0 (0.82 – 1.18)	1.0 (0.66 – 1.57)	reference	<b>1.2 (1.07 – 1.44)</b>	1.3 (0.93 – 1.76)
Anxiety/depression	reference	0.8 (0.61 – 0.99)	1.2 (0.67 – 2.18)	reference	1.1 (0.90 – 1.27)	1.3 (0.88 – 1.78)

BMI=body mass index

Odds ratios (95% confidence interval) are from logistic regression models after adjusting for age, education, income, employment, marital status, no. of co-morbidities, and an interaction term between gender and BMI category

Supplemental Table 3. Crude associations between WC category and each domain of EQ-5D by gender (N=13,754)

	Men (n=5,922)			Women (n=7,832)		
	Normal waist	Abdominal obesity	p-value <sup>a</sup>	Normal waist	Abdominal obesity	p-value <sup>a</sup>
Mobility			<.001			<.001
Any problem	280 (5.2)	145 (7.7)		521 (7.6)	431 (20.8)	
None	3,996 (94.8)	1,409 (92.3)		5,368 (92.4)	1,422 (79.2)	
Self-care			.727			<.001
Any problem	81 (1.4)	28 (1.6)		99 (1.4)	75 (3.4)	
None	4,195 (98.6)	1,526 (98.4)		5,790 (98.6)	1,778 (96.6)	
Usual activities			.140			<.001
Any problem	203 (3.7)	87 (4.6)		327 (4.8)	268 (12.8)	
None	4,073 (96.3)	1,467 (95.4)		5,562 (95.2)	1,585 (87.2)	
Pain/discomfort			.036			<.001
Any problem	682 (14.6)	279 (17.1)		1,338 (22.0)	679 (34.7)	
None	3,593 (85.3)	1,275 (82.9)		4,551 (78.0)	1,174 (65.3)	
Anxiety/depression			.717			<.001
Any problem	316 (6.8)	103 (6.5)		871 (14.8)	393 (22.0)	
None	3,960 (93.2)	1,451 (93.5)		5,018 (85.2)	1,460 (78.0)	

WC=waist circumference

<sup>a</sup>Significance levels analyzed with chi-square tests

Supplemental Table 4. Multivariate associations between WC category and each domain of EQ-5D by gender (N=13,754)

Sub-domains	Odds ratio (95% confidence interval)			
	Men (n=5,922)		Women (n=7,832)	
	Normal waist	Abdominal obesity	Normal waist	Abdominal obesity
Mobility	reference	1.1 (0.82 – 1.49)	reference	<b>1.3 (1.13 – 1.74)</b>
Self-care	reference	0.9 (0.47 – 1.81)	reference	1.2 (0.81 – 1.91)
Usual activities	reference	1.1 (0.74 – 1.65)	reference	<b>1.5 (1.11 – 1.95)</b>
Pain/discomfort	reference	1.1 (0.86 – 1.28)	reference	<b>1.3 (1.08 – 1.51)</b>
Anxiety/depression	reference	1.0 (0.74 – 1.29)	reference	<b>1.3 (1.08 – 1.59)</b>

WC=waist circumference

Odds ratios (95% confidence interval) are from logistic regression models after adjusting for age, education, income, employment, marital status, and no. of co-morbidities, and an interaction term between gender and WC category