

SUPPLEMENTAL MATERIAL

Supplemental Table 1. Respondent demographics: sensitivity analysis

Demographic	Total (N=1853)	Underweight/Normal Weight (n=551)	Overweight (n=472)	Obese Class 1 (n=399)	Obese Class 2 (n=194)	Obese Class 3 (n=237)
Age, mean (SD), years	34.1 (12.6)	33.6 (12.9)	34.8 (12.1)	34.2 (13.2)	34.1 (12.4)	34.0 (12.3)
Sex, female, n (%)	1212 (65)	364 (66)	274 (58)	247 (62)	143 (74)	184 (78)
Race, n (%)						
White	1144 (62)	320 (58)	276 (58)	263 (66)	135 (70)	150 (63)
Black	179 (10)	49 (9)	43 (9)	32 (8)	17 (9)	38 (16)
Hispanic	310 (17)	96 (17)	91 (19)	66 (17)	30 (15)	27 (11)
Other	220 (12)	86 (16)	62 (13)	38 (10)	12 (6)	22 (9)
Married, n (%)	833 (45)	241 (44)	220 (47)	192 (48)	79 (41)	101 (43)
Employed, n (%)	849 (46)	277 (50)	225 (48)	183 (46)	84 (43)	80 (34)
On disability, n (%)	356 (19)	65 (12)	89 (19)	75 (19)	46 (24)	81 (34)
Income <\$25,000, n (%)	709 (38)	206 (37)	173 (37)	158 (40)	70 (36)	102 (43)
Drinks alcohol, n (%)	1174 (63)	364 (66)	308 (65)	244 (61)	123 (63)	135 (57)
Current smoker, n (%)	843 (45)	290 (53)	206 (44)	177 (44)	72 (37)	98 (41)
Trying to lose weight, n (%)	929 (50)	132 (24)	253 (54)	253 (63)	136 (70)	155 (65)
Exercised in past month, n (%)	1059 (57)	347 (63)	287 (61)	210 (53)	113 (58)	102 (43)

Supplemental Table 2. Adjusted health-related quality of life and work productivity scores^a: sensitivity analysis

Parameter	Underweight/Normal Weight (n=551)	Overweight (n=472)	Obese Class 1 (n=399)	Obese Class 2 (n=194)	Obese Class 3 (n=237)
SF-36v2, ^b mean (SEM)					
PCS score	44.3 (0.75)	42.6 (0.78)	42.2 (0.79)	40.6 (0.95)	38.0 (0.89)
MCS score	32.8 (0.94)	32.0 (0.99)	31.6 (1.00)	31.7 (1.20)	32.4 (1.12)
EQ-5D score, ^b mean (SEM)	0.67 (0.01)	0.65 (0.01)	0.64 (0.01)	0.63 (0.02)	0.59 (0.02)
WPAI score, ^{c,d} % (SEM)					
Absenteeism	37.5 (4.79)	32.0 (4.69)	34.9 (4.82)	38.3 (6.69)	39.2 (7.10)
Presenteeism	56.2 (4.12)	52.7 (4.14)	56.6 (4.56)	54.8 (5.24)	56.0 (5.62)
Overall work impairment	64.4 (1.06)	59.0 (1.06)	64.2 (1.17)	62.4 (1.37)	66.4 (1.49)
Activity impairment	57.9 (2.41)	58.7 (2.58)	60.8 (2.71)	60.9 (3.26)	65.2 (3.21)

^aAdjusted for age, sex, race, residential status, marital status, education, employment status, insurance status, smoking status, alcohol use, exercise frequency, modified Charlson Comorbidity Index score, and NHWS year.

^bLower scores represent worse health status.

^cA total of 807 respondents (n=263 underweight/normal weight; n=213 overweight; n=173 obese class 1; n=81 obese class 2; n=77 obese class 3) who were employed at the time of the NHWS completed the absenteeism, presenteeism, and overall work impairment scales; all respondents (n=1853) completed the activity impairment scale.

^dHigher scores represent greater impairment.

BMI, body mass index; MCS, Mental Component Summary; NHWS, National Health and Wellness Survey; PCS, Physician Component Summary; SF-36v2, 36-item Short Form Version 2; WPAI, Work Productivity and Activity Impairment.

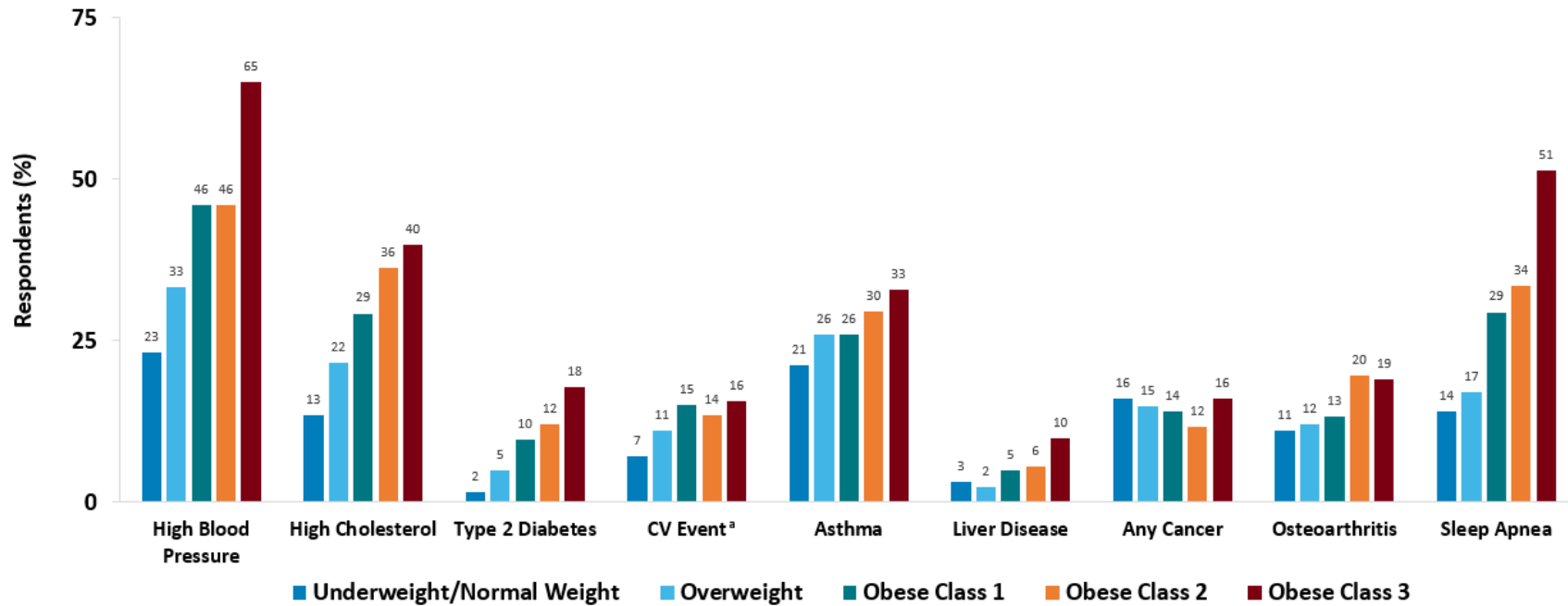
Supplemental Table 3. Adjusted health care resource use, previous 6 months^a: sensitivity analysis

Resource	Underweight/Normal Weight (n=551)	Overweight (n=472)	Obese Class 1 (n=399)	Obese Class 2 (n=194)	Obese Class 3 (n=237)
Hospitalizations, mean (SEM)	0.81 (0.16)	0.72 (0.15)	0.71 (0.15)	1.08 (0.27)	0.92 (0.22)
ED visits, mean (SEM)	1.23 (0.19)	1.44 (0.23)	1.45 (0.24)	1.97 (0.39)	1.50 (0.28)
Visits to any HCP, mean (SEM)	9.64 (0.84)	12.49 (1.14)	11.66 (1.09)	12.26 (1.37)	13.21 (1.37)

^aAdjusted for age, sex, race, residential status, marital status, education, employment status, insurance status, smoking status, alcohol use, exercise frequency, modified Charlson Comorbidity Index score, and NHWS year.

ED, emergency department; HCP, health care professional; NHWS, National Health and Wellness Survey.

Supplemental Figure 1. Adjusted proportions of self-reported obesity-related medical comorbidities.

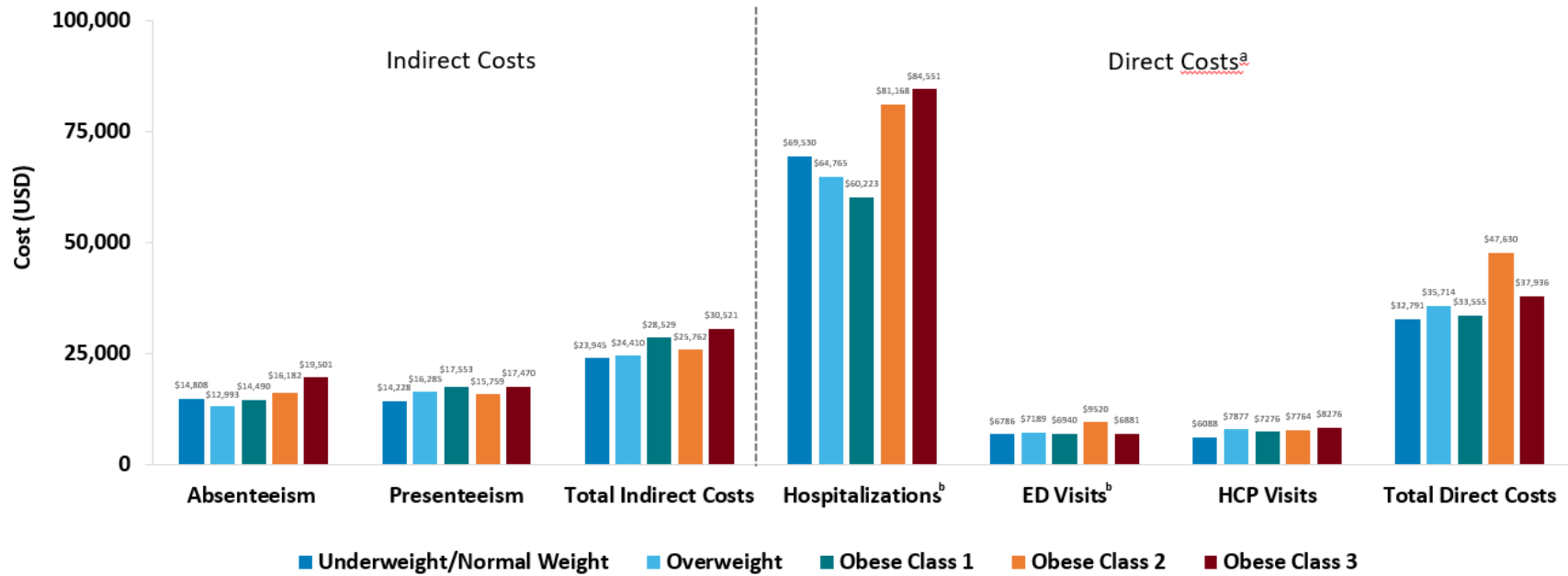


Adjusted for age, sex, race, residential status, marital status, education, employment status, insurance status, smoking status, alcohol use, exercise frequency, modified Charlson Comorbidity Index score, and NHWS year.

^aIncludes ministroke, stroke, heart attack, or congestive heart failure.

BMI, body mass index; CV, cardiovascular; NHWS, National Health and Wellness Survey.

Supplemental Figure 2. Adjusted direct and indirect costs (in USD), annualized: sensitivity analysis.



Adjusted for age, sex, race, residential status, marital status, education, employment status, insurance status, smoking status, alcohol use, exercise frequency, modified Charlson Comorbidity Index, and NHWS year.

^aAnalyzed using a generalized linear model with a negative binomial distribution.

^bAnalyzed using a zero-inflated model with a negative binomial distribution.

BMI, body mass index; ED, emergency department; HCP, health care professional; NHWS, National Health and Wellness Survey; USD, US dollars.