

Supplemental table 2. The relationship between potential confounders, hypogonadism, comorbidities and sleep duration (self-reported total hours of sleep per day). P-values represent results from chi-square test.

	(n=2095)	Self-reported total hours of sleep / n, (%)			p-value
		<7 hours of sleep	7-9 hours of sleep	>9 hours of sleep	
Age	35-45	74 (30.3)	168 (68.9)	2 (0.8)	p<0.001
	45-55	326 (24.8)	945 (72.0)	42 (3.2)	
	55-60	91 (16.9)	405 (75.3)	42 (7.8)	
Body mass index	Normal (18,5-25 kg/m ²)	144 (22.0)	483 (73.5)	30 (4.6)	p=0.458
	Overweight (25-30 kg/m ²)	252 (24.1)	758 (72.5)	36 (3.4)	
	Obese (>30 kg/m ²)	95 (24.2)	277 (79.7)	20 (5.1)	
Smoking status	Daily smoker	139 (30.5)	288 (63.2)	29 (6.4)	p<0.001
	Occasional smoker	19 (26.0)	50 (68.5)	4 (5.5)	
	Former smoker	156 (20.8)	560 (74.7)	34 (4.5)	
	Never smoker	177 (21.7)	620 (76.0)	19 (2.3)	
Alcohol intake (units per week)	0 units of alcohol	19 (15.5)	93 (76.6)	11 (8.9)	p<0.001
	1-14 units of alcohol	323 (26.7)	851 (70.5)	34 (2.8)	
	> 14 units of alcohol	149 (19.5)	574 (73.1)	41 (5.4)	
Physical activity	Mainly sedentary	80 (24.6)	219 (67.4)	26 (8.0)	p<0.001
	Light to moderate activity	275 (21.5)	950 (74.4)	52 (4.1)	
	Regular sport and exercise	130 (28.4)	320 (69.9)	8 (1.8)	
	Athletic training	6 (17.1)	29 (82.9)	0 (0)	
Comorbidities (n=1962)					
Has a doctor ever told you that you had asthma?	Yes	31 (23.7)	91 (69.5)	10 (7.6)	p=0.046
	No	431 (23.6)	1334 (72.9)	65 (3.6)	
Has a doctor ever told you that you had a myocardial infarction?	Yes	5 (41.7)	5 (41.7)	2 (16.7)	p=0.014
	No	457 (23.4)	1420 (72.8)	73 (3.7)	
Have you been diagnosed with diabetes?	Yes	3 (12.5)	16 (69.7)	5 (20.8)	p<0.001
	No	459 (23.7)	1409 (72.7)	70 (3.61)	
Do you take heart medication?	Yes	29 (23.2)	86 (68.8)	10 (8.0)	p=0.041
	No	433 (23.6)	1339 (72.9)	65 (3.5)	
Have you within the past few weeks taken cholesterol-lowering medication?	Yes	22 (18.8)	89 (73.6)	10 (8.5)	p=0.016
	No	440 (23.9)	1336 (72.6)	65 (3.5)	