

**Table S1.** Relationship between the level of physical activity and medicine use by age group in the 18-69 years general Spanish population of ENSE2017 and stratified by sex.

Overall Sample								
Physical Activity Level								
Age group	Use of medicines	Inactive	Walker	Low	Medium	High	Very high	<i>p</i>
18-34	Yes (31.1%)	148 (35.2)ab	435 (35.7)b	132 (27.6)cd	151 (28.5)d	100 (22.7)c	59 (28.4)acd	<0.001
	No (68.9%)	273 (64.8)ab	784 (64.3)b	346 (72.4)cd	379 (71.5)d	341 (77.3)c	149 (71.6)acd	
35-49	Yes (40.8%)	435 (46.5)a	1136 (44.3)a	388 (40.0)b	307 (34.8)c	169 (30.5)c	84 (30.9)c	<0.001
	No (59.2%)	500 (53.5)a	1429 (55.7)a	582 (60.0)b	574 (65.2)c	385 (69.5)c	188 (69.1)c	
50-64	Yes (64.9%)	631 (71.9)a	2083 (66.7)b	439 (63.1)bc	441 (59.4)cd	155 (50.7)e	114 (54.5)de	<0.001
	No (35.1%)	247 (28.1)a	1041 (33.3)b	257 (36.9)bc	302 (40.6)cd	151 (49.3)e	95 (45.5)de	
65-69	Yes (84.6%)	217 (87.5)a	849 (85.5)a	164 (84.1)a	159 (81.5)a	41 (78.8)ab	17 (60.7)b	<0.001
	No (15.4%)	31 (12.5)a	144 (14.5)a	31 (15.9)a	36 (18.5)a	11 (21.2)ab	11 (39.3)b	
Total	Yes (51.7%)	1431 (57.7)a	4503 (57.0)a	1123 (48.0)b	1058 (45.0)c	465 (34.4)d	274 (38.2)d	<0.001
	No (48.3%)	1051 (42.4)a	3398 (43.0)a	1216 (52.0)b	1291 (55.0)c	888 (65.6)d	443 (61.8)d	
Women								
Physical Activity Level								
Age group	Use of medicines	Inactive	Walker	Low	Medium	High	Very high	<i>p</i>
18-34	Yes (40.3%)	102 (40.8)a	320 (40.5)a	87 (35.4)a	96 (40.2)a	45 (32.6)a	29 (40.3)a	<0.001
	No (59.7%)	148 (59.2)a	470 (59.5)a	159 (64.6)a	143 (59.8)a	93 (67.4)a	43 (49.7)a	
35-49	Yes (46.2%)	261 (52.4)a	713 (46.6)b	210 (44.6)bc	166 (41.1)c	84 (40.6)bc	36 (48.6)abc	<0.001
	No (53.8%)	237 (47.6)a	817 (53.4)b	261 (55.4)bc	238 (58.9)c	123 (59.4)bc	38 (51.4)abc	
50-64	Yes (67.4%)	330 (75.5)a	1171 (68.4)b	272 (65.9)b	205 (58.4)c	56 (52.8)c	52 (66.7)abc	<0.001
	No (32.6%)	107 (24.5)a	540 (31.6)b	141 (34.1)b	146 (41.6)c	50 (47.2)c	26 (33.3)abc	
65-69	Yes (86.1%)	124 (87.9)a	466 (87.1)b	113 (85.6)a	68 (82.9)a	20 (80.0)ab	7 (58.3)b	<0.001
	No (13.9%)	17 (12.1)a	113 (85.6)b	19 (14.4)a	14 (17.1)a	5 (20.0)ab	5 (41.7)b	
Total	Yes (56.3%)	87 (61.6)a	2670 (58.5)b	682 (54.0)c	535 (49.7)d	205 (43.1)e	124 (52.5)bcd	<0.001
	No (43.7%)	509 (38.4)a	1896 (41.5)b	580 (46.0)c	541 (50.3)d	271 (56.9)e	112 (47.5)bcd	
Men								
Physical Activity Level								
Age group	Use of medicines	Inactive	Walker	Low	Medium	High	Very high	<i>p</i>
18-34	Yes (22.2%)	46 (26.9)ab	115 (26.8)b	45 (19.4)ac	55 (18.9)c	55 (18.2)c	30 (22.1)abc	<0.001
	No (77.8%)	125 (73.1)ab	314 (73.2)b	187 (80.6)ac	236 (81.1)c	248 (81.8)c	106 (77.9)abc	
35-49	Yes (35.0%)	174 (39.8)a	43 (40.9)a	178 (35.7)a	141 (29.6)b	85 (24.5)b	48 (24.2)b	<0.001
	No (65.0%)	263 (60.2)a	612 (59.1)a	321 (64.3)a	336 (70.4)b	262 (75.5)b	150 (75.8)b	
50-64	Yes (62.1%)	301 (68.3)a	912 (64.5)ab	167 (59.0)b	236 (60.2)b	99 (49.5)c	62 (47.3)c	<0.001
	No (37.9%)	140 (31.7)a	501 (35.5)ab	116 (41.0)b	156 (39.8)b	101 (50.5)c	69 (52.7)c	
65-69	Yes (82.8%)	93 (86.9)a	383 (83.6)a	51 (81.0)ab	91 (80.5)ab	21 (77.8)ab	10 (62.5)b	<0.001
	No (17.2%)	14 (13.1)a	75 (16.4)a	12 (19.0)ab	22 (19.5)ab	6 (22.2)ab	6 (37.5)b	
Total	Yes (46.6%)	614 (53.1)a	1833 (55.0)a	441 (40.9)b	523 (41.1)b	260 (29.6)c	150 (31.2)c	<0.001
	No (53.4%)	542 (46.9)a	1502 (45.0)a	636 (59.1)b	750 (58.9)b	617 (70.4)c	331 (68.8)c	

Data is presented as absolute and relative frequencies; n (Participants); % (Percentage); PAL (Physical Activity Level); PAI (Physical Activity Level. Scores: 0-67.5); Inactive (PAI=0; Reported not going for a walk for more than 10 minutes at a time on any day of the week). Walker (PAI=0; Reported going for a walk for more than 10 minutes at a time on any day of the week.); Low (PAI=1-15). Medium (PAI=16-30). High (PAI=31-45). Very high (PAI>45); abcde (Each subscript letter denotes a subset PAL whose proportions of use of medicines do not differ significantly from each other

with  $p < 0.05$  from z-test); Yes (affirmative answers to item p.85 "During the last 2 weeks, have you taken any medication prescribed by a doctor?"); No (negative answer to item p.85); p (p-value from Chi-square test).

Table S2. Logarithmic binary regression model for use of medication risk factor.

	B	S.E.	Wald	df	Sig.	Exp(B)	95% C.I. for EXP(B)	
							Lower	Upper
Sex (Women)	0.396	0.034	137.598	1	0.000	1.486	1.391	1.587
Age	0.057	0.001	1690.687	1	0.000	1.058	1.055	1.061
Social Status (I)			40.144	5	0.000			
II	0.058	0.075	0.600	1	0.439	1.060	0.915	1.229
III	0.101	0.062	2.678	1	0.102	1.107	0.980	1.249
IV	0.238	0.067	12.637	1	0.000	1.269	1.113	1.447
V	0.275	0.058	22.638	1	0.000	1.316	1.175	1.447
VI	0.298	0.067	19.769	1	0.000	1.347	1.181	1.537
PAI (Very high)			100.228	5	0.000			
Inactive	0.509	0.093	29.724	1	0.000	1.664	1.386	1.999
Walker	0.375	0.086	18.867	1	0.000	1.455	1.228	1.723
Low	0.226	0.094	5.794	1	0.016	1.253	1.043	1.506
Medium	0.131	0.094	1.946	1	0.163	1.140	0.948	1.369
High	-0.095	0.102	0.864	1	0.353	0.909	0.744	1.111
Constant	-3.264	0.114	814.507	1	0.000	0.038		

B: Understandardized beta; SE: Standard error of the regression; Wald: Wald Chi-Squared Test; Df: Degrees of freedom; Sig: Statistical significance; Exp: Exponential regression; CI: Confidence Interval