

## *Supplementary Materials for*

# Smoking intensity changes during the COVID-19 pandemic waves in a cohort of smokers in Italy

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**Table 1S**

Distribution of smokers participating to the baseline interview, according to their participation in the follow-up interviews

**Table 2S**

Characteristics of the cohort of Italian current smokers included in the analysis by survey

**Supplementary Table 1S**

Distribution of smokers participating to the baseline interview, according to their participation in the follow-up interviews

Characteristics	Survey 2*		Survey 3*		Survey 4*	
	Retainers N** (%)	Lost to follow-up N** (%)	Retainers N** (%)	Lost to follow-up N** (%)	Retainers N** (%)	Lost to follow-up N** (%)
<b>Total</b>	541 (70.1)	231 (29.9)	474 (66.5)	239 (33.5)	801 (68.7)	365 (31.3)
<b>Sex</b>						
Males	283 (52.3)	123 (53.2)	253 (53.8)	128 (53.6)	408 (50.9)	182 (49.9)
Females	258 (47.7)	108 (46.8)	221 (46.6)	111 (46.4)	393 (49.1)	183 (50.1)
p-value	0.811		0.964		0.734	
<b>Age group</b>						
18-34	117 (21.6)	75 (32.5)	93 (19.6)	78 (32.6)	153 (19.1)	113 (31.0)
35-54	247 (45.7)	109 (47.2)	221 (46.6)	106 (44.4)	364 (45.4)	175 (47.9)
55-74	177 (32.7)	47 (20.3)	160 (33.8)	55 (23.0)	284 (35.5)	77 (21.0)
p-value	<0.001		0.000		<0.001	
<b>Level of education</b>						
Low	83 (15.3)	22 (9.5)	76 (16.0)	28 (11.7)	124 (15.5)	52 (14.2)
Intermediate	265 (49.0)	114 (49.4)	224 (47.3)	108 (45.2)	399 (34.8)	165 (45.2)
High	193 (35.7)	95 (41.1)	174 (36.7)	103 (43.1)	278 (34.7)	148 (40.6)
p-value	0.070		0.146		0.158	

\* Survey 2 (carried out in November-December 2020 referring to the COVID-19 wave 1); Survey 3 (carried out in May 2021 referring to the COVID-19 wave 2); Survey 4 (carried out in February-March 2022 referring to the COVID-19 wave 4).

\*\* Raw data.

**Supplementary Table 2S**

Characteristics of the cohort of Italian current smokers included in the analysis by survey

	Pre-lockdown*	Lockdown*	Survey 2*	Survey 3*	Survey 4*
<b>Total</b>	880	880	541	474	801
<b>Gender, n (%)</b>					
Male	449 (51.0)	449 (51.0)	283 (52.3)	253 (53.4)	408 (50.9)
Female	431 (49.0)	431 (49.0)	258 (47.7)	221 (46.6)	393 (49.1)
<b>Level of education, n (%)</b>					
High	300 (34.1)	300 (34.1)	193 (35.7)	174 (36.7)	278 (34.7)
Medium	441 (50.1)	441 (50.1)	265 (49.0)	224 (47.3)	399 (49.8)
Low	139 (15.8)	139 (15.8)	83 (15.3)	76 (16.0)	124 (15.5)
<b>Age, n (%)</b>					
18-34	178 (20.2)	178 (20.2)	117 (21.6)	93 (19.6)	153 (19.1)
35-54	396 (45.0)	396 (45.0)	247 (45.7)	221 (46.6)	364 (45.4)
55-74	306 (34.8)	306 (34.8)	177 (32.7)	160 (33.8)	284 (35.5)
<b>Dual users**, n (%)</b>					
Yes	78 (8.9)	86 (9.8)	167 (30.9)	151 (31.9)	260 (32.5)
No	802 (91.1)	794 (90.2)	374 (69.1)	323 (68.1)	541 (67.5)
<b>Use of psychotropic drugs***</b>					
No	781 (88.7)	750 (85.2)	457 (84.5)	414 (87.3)	714 (89.1)
Yes	99 (11.3)	130 (14.8)	84 (15.5)	60 (12.7)	87 (10.9)
<b>Anxiety or depression symptoms, n (%) ****</b>					
No	663 (75.3)	428 (48.6)	339 (32.7)	280 (59.1)	523 (65.3)
Yes	217 (24.7)	452 (51.4)	202 (37.3)	194 (40.9)	278 (34.7)
<b>Sleep disorders*****</b>					
No	535 (60.8)	396 (45.0)	260 (48.1)	228 (41.1)	375(46.8)
Yes	345 (39.2)	484 (55.0)	281 (51.9)	246 (51.9)	426 (53.2)
<b>Cigarettes smoked per day, mean (sd)</b>	11.66 (6.73)	12.99 (7.97)	12.50 (7.39)	12.65 (7.20)	12.25 (7.16)

\*Pre-lockdown and lockdown: survey carried out in April-May 2020 referring respectively to the pre lockdown period and to the pre-pandemic COVID-19 wave; Survey 2: carried out in November-December 2020 referring to the COVID-19 wave 1; Survey 3: carried out in May 2021 referring to the COVID-19 wave 2; Survey 4: carried out in February-Mrch 2022 referring to the COVID-19 wave 4.

\*\*Dual use: smokers using either e-cigarettes or heated tobacco products.

\*\*\*Use of psychotropic drugs: respondents using at least one drug among antidepressants, anxiolytics/benzodiazepine, hypnotics, antipsychotics and mood stabilizers [4].

\*\*\*\*Anxiety or depression symptoms: respondents with value higher than 3 in the 2-item generalized anxiety disorder scale [10] or in the 2-item Patient Health Questionnaire scale [11].

\*\*\*\*\*Sleep disorders: respondents who reported to sleep less than 7 hours per night or who evaluated their overall sleep as quite bad or very bad [12].

n: number; sd: standard deviation.