Table 1: Characteristics of people sample according to their mental health status (N=24,165)

Characteristics	Presence of any mental disorders % (95% CI) (n=2664)	Absence of any mental disorder % (95% CI) (n=21,501)
Age groups:		
15 - 24 years	29.2 (26.3, 32.1)	14.4 (13.7,15.2)
25 - 34 years	20.6 (17.3, 23.9)	15.5 (14.7,16.4)
35 - 44 years	16.8 (13.9, 19.7)	17.0 (16.1,18.0)
45 - 54 years	16.4 (13.5, 19.3)	18.7 (17.6,19.8)
55 - 64 years	11.6 (9.0, 34.0)	16.2 (15.4,17.0)
65 or more years	5.4 (42.4, 66.2)	18.2 (17.5,18.9)
Sex:		
Male	51.9 (47.6, 56.2)	49.0 (47.8,50.1)
Female	48.1 (43.8, 52.4)	51.0 (49.9,52.2)
Marital status:		
Married or Common law	40.8 (37.1, 44.5)	62.3 (61.1,63.4)
Widow or divorced or separated or single	59.1 (55.1, 63.1)	37.7 (36.6,38.9)
Education status:		
< Post-secondary Less than Post-secondary	47.0 (42.8, 51.2)	40.2 (39.1,41.4)
Post-secondary graduated	52.8 (48.4, 57.2)	59.8 (58.6,60.9)
Income status:		
No or less than $20,000	8.6 (6.4, 10.8)	4.0 (3.6,4.4)
$20,000 - $39,999	15.4 (12.8, 18.0)	11.8 (11.1,12.4)
$40,000 - $59,999	18.1 (15.3, 20.9)	18.1 (17.2,19.0)
$60,000 - $79,999	17.3 (14.5, 20.1	17.6 (16.7,18.5)
$80,000 or more	40.5 (36.9, 44.1)	48.6 (47.4,49.8)
Immigration:		
yes	14.1 (11.4, 16.8)	26.5 (15.3,27.6)
no	85.9 (81.9, 89.9)	73.5 (72.4,74.7)

Smoking status:		
Currently smoking	37.5 (34.0, 41.0)	19.1 (18.1,20.1)
Former smoking	33.6 (29.8, 37.4)	39.3 (38.2,40.4)
Never smoking	28.8 (25.432.2)	41.6 (40.5,42.8)

CI: Confidence intervals corrected using the coefficient of variations provided by Statistics Canada

Table 2: Characteristics of people sample across smoking status among those with and without mental illness (N=24,165)

Characteristics	With mental illness (n=2664)			p-value	Without mental illness (n=21,501)			p-value
	Currently smoking % (95% CI)	Former or quitted smoking % (95% CI)	Never smoking % (95% CI)		Currently smoking % (95% CI)	Former or quitted smoking % (95% CI)	Never smoking % (95% CI)	
Age groups: 15 - 24 years	31.2 (26.4, 36.0)	21.1 (16.2, 26.0)	35.9 (30.1, 41.7)	<0.01	11.0 (9.6,12.6)	5.8 (5.1,6.5)	24.1 (22.7,25.6)	<0.01
25 - 34 years	23.0 (17.2, 28.8)	19.3 (13.5, 25.1)	18.9 (13.2, 24.6)		20.9 (18.6,23.3)	12.3 (11.2,13.5)	16.1 (14.7,17.7)	
35 - 44 years	16.7 (11.7, 21.7)	16.4 (11.4, 21.4)	17.1 (11.5, 22.7)		18.8 (16.4,21.4)	15.9 (14.5,17.5)	17.2 (15.8,18.7)	
45 - 54 years	16.1 (11.1, 21.1)	20.1 (14.1,26.1)	12.4 (7.5, 17.3) **E**		23.5 (20.7,26.5)	19.1 (17.5,20.8)	16.1 (14.5,18.0)	
55 - 64 years	10.5 (6.4, 14.6.) **E**	14.5 (9.5, 19.5) **E**	9.8 (5.3, 14.3) **E**		16.7 (14.9,18.6)	21.0 (19.6,22.5)	11.3 (10.3,12.4)	
65 or more years	2.4 (1.1, 3.7) **E**	8.4 (5.8, 11.0)	5.8 (3.5, 8.1) **E**		9.2 (8.1,10.3)	25.9 (24.6,27.2)	15.0 (14.0,16.1)	

Sex: Male	54.2 (47.8, 60.6)	56.8 (50.1, 63.5)	43.3 (36.1, 50.5)	<0.01	57.6 (54.7,60.5)	54.3 (52.5,56.1)	39.9 (38.1,41.8)	<0.01
Female	45.8 (39.6, 52.0)	43.2 (37.0, 49.4)	56.7 (49.7, 63.7)		42.4 (39.5,45.3)	45.7 (43.9,47.5)	60.1 (58.2,61.9)	
Marital status: Married or Common law	33.7 (27.6, 39.8)	50.7 (44.4, 57.0)	38.6 (32.0, 45.2)	<0.01	57.9 (55.0,60.7)	71.6 (70.0,73.1)	55.5 (53.7,57.4)	<0.01
Widow or divorced or separated or single	66.3 (58.5, 74.1)	49.3 (42.6, 56.0)	61.4 (53.8, 69.0)		42.1 (39.3,45.0)	28.4 (26.9,30.0)	44.5 (42.6,46.3)	
Education status: < Post- secondary Less than Post- secondary	59.6 (52.6, 66.6)	37.7 (31.2, 44.2)	42.0 (35.0, 49.0	<0.01	45.8 (43.0,48.8)	35.9 (34.3,37.6)	41.8 (40.0,43.6)	<0.01
Post-secondary graduated	40.4 (34.6, 46.2)	62.3 (54.9, 69.7)	57.9 (50.7, 65.1)		54.2 (51.2,57.0)	64.1 (62.4,65.7)	58.2 (56.4,60.0)	
Income status: no or < $20,000	12.1 (8.3, 15.9)	7.2 (4.0, 10.4) **E**	5.9 (2.7, 9.1) **E**	<0.01	5.6 (4.8,6.5)	2.6 (2.2,3.2)	4.5 (3.8,5.3)	<0.01
$20,000 - $39,999	19.3 (13.9, 24.7)	11.8 (7.6, 16.0) **E**	14.4 (9.3, 19.5) **E**		13.7 (12.2,15.3)	11.3 (10.3,12.3)	11.3 (10.4,12.4)	
$40,000 - $59,999	18.9 (13.6, 24.2)	16.6 (11.8, 21.4)	18.9 (13.6, 24.2)		20.4 (18.2,22.8)	17.5 (16.3,18.7)	17.6 (16.2,19.0)	

$60,000 - $79,999	13.8 (9.5, 18.1)	22.2 (17.0, 27.4)	16.1 (11.2, 21.0)		17.2 (15.3,19.3)	17.4 (16.0,18.8)	17.9 (16.5,19.5)	
$80,000 or more	35.9 (30.2, 41.6)	42.1 (35.6, 46.6)	44.7 (37.8, 51.6)		43.1 (40.1,46.2)	51.2 (49.5,53.0)	48.6 (46.8,50.5)	
Immigration: Yes	12.1 (7.8, 16.4) **E**	8.4 (4.9, 11.9) **E**	23.2 (23.2, 29.5)	<0.01	19.0 (16.5,21.7)	20.4 (18.9,22.0)	35.7 (33.8,37.6)	<0.01
No	87.9 (81.4, 94.4)	91.6 (87.8, 95.4)	76.9 (70.0, 83.8)		81.0 (78.3,83.5)	79.6 (78.0,81.1)	64.3 (62.4,66.2)	

Note: **E**: the coefficient of variation is in the marginal range, i.e. 16.6% - 33.3%. As suggested by Statistics Canada, the estimate should be interpreted with caution as there is high sampling variability associated with the estimate.
CI: Confidence intervals corrected using the coefficient of variations provided by Statistics Canada
p-value: chi2 p-value

Table 5: Association between characteristics of sample with their smoking status (n=2,664) among those with and without mental illness

Characteristics	Among people with mental illness (former vs. current smoker restricted analysis)		Among people without mental illness (former vs. current smoker restricted analysis)	
	Unadjusted OR (95% CI)	Adjusted OR (95% CI)	Unadjusted OR (95% CI)	Adjusted OR (95% CI)
Age groups:				
15 - 24 years	0.2 (0.1, 0.3)	0.2 (0.1, 0.4)	0.2 (0.1,0.2)	0.2 (0.2,0.3)
25 - 34 years	0.2 (0.1, 0.4)	0.2 (0.1, 0.4)	0.2 (0.2,0.3)	0.2 (0.1,0.2)
35 - 44 years	0.3 (0.2, 0.5)	0.2 (0.1, 0.4)	0.3 (0.2,0.4)	0.2 (0.2,0.3)
45 - 54 years	0.4 (0.2, 0.7)	0.3 (0.1, 0.5)	0.3 (0.2,0.4)	0.2 (0.2,0.24)
55 - 64 years	0.4(0.2, 0.7)	0.3 (0.2, 0.6)	0.4 (0.4,0.5)	0.3 (0.3,0.4)
65 or more	Reference	Reference	Reference	Reference
Sex:				
Female	0.9 (0.7, 1.2)	0.9 (0.6, 1.2)	1.1 (1.0,1.3)	1.2 (1.0,1.4)
Male	Reference	Reference	Reference	1.3 Reference
Marital status:				
Widow/divorced/separated or single	0.5 (0.4, 0.7)	0.6 (0.4, 0.9)	0.5 (0.5,0.6)	0.7 (0.6,0.8)
Married/Common law	Reference	Reference	Reference	Reference
Education status:				
<Post-secondary	0.4 (0.3, 0.5)	0.4 (0.3, 0.6)	0.7 (0.6,0.8)	0.7 (0.6,0.8)
Less than Post-secondary	Reference	Reference	Reference	Reference
Post-secondary graduated				
Income status:				
no or less than $20,000	0.5 (0.3, 0.8)	0.7 (0.4, 1.1)	0.4 (0.3,0.5)	0.4 (0.3,0.5)
$20,000 - $39.999	0.5 (0.4, 0.8)	0.6 (0.4, 0.9)	0.7 (0.6,0.8)	0.5 (0.4,0.6)
$ 40.000 - $ 59,999	0.7 (0.5, 1.1)	0.8 (0.5, 1.2)	0.7 (0.6,0.9)	0.6 (0.5,0.7)
$60,000 - $ 79,999	1.4 (0.9, 2.1)	1.5 (1.0, 2.3)	0.8 (0.7,1.0)	0.8 (0.6,0.9)

$80,000 or more	Reference	Reference	Reference	Reference
Immigration: Yes No	 0.7 (0.4, 1.1) Reference	 0.6 (0.4, 0.9) Reference	 1.1 (0.9,1.3) Reference	 1.1 (0.9,1.3) Reference

OR: odds ration; CI: confidence interval

Comparison of the odds ratios:

(With MI) Significant associations   (Without MI)

young and middle-aged   young and middle-aged

single or never married   single or never married

less educated   less educated (quitting more difficult among those with less edu, among MI)

 immigrants   not significant

low income   low and middle income

The characteristics associated with smoking status (former vs. current smoking) were similar among those with and without mental disorders (refer to Table 5). Younger and middle age, single or never married status, less than post-secondary education, low income status and immigrant status were less likely to quit smoking, both among those with and without mental illness. However, compared to those without mental disorders, those with mental disorder were even more likely to continue smoking if they had less than post-secondary education. Immigrants were less likely to quit smoking if they had a mental illness, whereas there was no significant association between smoking and immigrant status among those without mental illness. *People without any mental illness belonging to middle income range were less likely to quit smoking whereas this was not the case among those with mental illness.*

This finding reinforces that people with less than post-secondary education and immigrant status are at high risk of smoking cessation problems if they are suffering from any kind of mental illness and interventions have to be directed towards them while implementing smoking cessation programs.

Table 6: Physical and mental health characteristics of people across smoking status among those with mental illness (N=24,165)

Characteristics	With mental illness (n=2664)			p-value
	Currently smoking % (95% CI)	Former or quitted smoking % (95% CI)	Never smoking % (95% CI)	
Physical activity Yes No	71.2 (67.2,74.9) 28.8 (25.1,32.8)	74.3 (69.8,78.4) 25.7 (21.6,30.2)	74.6 (69.0,79.4) 25.4 (20.6,31.0)	0.4
Chronic condition At least one None	58.5 (53.7,63.1) 41.5 (36.9,46.3)	59.3 (54.2,64.2) 40.7 (35.8,45.8)	56.9 (50.8,62.7) 43.1 (37.3,49.2)	0.8
Professional mental health consultation Yes No	43.3 (38.7,48.1) 56.7 (51.9,61.3)	45.4 (40.5,50.4) 54.6 (49.6,59.5)	47.4 (41.2,53.7) 52.6 (46.3,58.8)	0.5