

Supplemental Table 1: Indicators of perceived vaping and cigarette smoking dependence among past 30-day users, 2017 to 2019, by country, weighted % (n)

	CANADA			ENGLAND			US		
	2017	2018	2019	2017	2018	2019	2017	2018	2019
VAPING	(n=340)	(n=463)	(n=738)	(n=347)	(n=351)	(n=439)	(n=454)	(n=635)	(n=736)
In the past 30 days, how often did you have a strong urge to use an e-cigarette/vape?									
Several times a day	13.5 (46)	9.7 (45)	18.7 (137)	10.3 (35)	12.3 (43)	9.5 (42)	15.7 (71)	15.9 (101)	21.9 (161)
Every day or most days	11.8 (40)	14.0 (64)	15.9 (116)	14.0 (48)	17.9 (63)	22.4 (98)	15.4 (70)	20.7 (131)	22.7 (166)
At least once a week	16.1 (55)	13.4 (62)	19.9 (145)	15.2 (52)	17.2 (60)	18.3 (80)	19.7 (89)	20.7 (131)	19.6 (143)
Less than once a week	12.0 (40)	13.4 (62)	11.6 (85)	8.6 (30)	10.6 (37)	13.2 (58)	14.0 (64)	11.7 (74)	11.6 (85)
Never	42.4 (143)	47.2 (217)	32.1 (235)	47.2 (162)	39.6 (139)	33.8 (148)	33.5 (152)	28.1 (178)	20.8 (152)
Don't know	4.1 (14)	2.2 (10)	1.8 (14)	4.6 (16)	2.5 (9)*	2.8 (12)	1.7 (8)*	2.9 (18)	3.4 (25)
Do you consider yourself addicted to using e-cigarettes/ vaping?									
Yes, very addicted	10.5 (35)	8.0 (37)	12.8 (94)	12.9 (44)	9.7 (34)	8.5 (37)	10.1 (46)	13.0 (83)	13.0 (95)
Yes, a little addicted	21.8 (73)	21.0 (97)	34.4 (251)	17.7 (61)	31.1 (109)	30.4 (133)	25.6 (116)	28.9 (183)	38.4 (282)
Not at all	61.8 (208)	68.2 (316)	50.4 (369)	61.0 (210)	54.9 (192)	58.1(254)	62.2 (282)	56.0 (355)	45.3 (333)
Don't know	5.9 (20)	2.7 (13)	2.4 (18)	8.4 (29)	4.2 (15)	3.0 (13)	2.1 (9)	2.1 (13)	3.4 (25)
CIGARETTE SMOKING	(n=431)	(n=383)	(n=384)	(n=622)	(n=645)	(n=519)	(n=451)	(n=470)	(n=315)
In the past 30 days, how often did you have a strong urge to smoke a cigarette?									
Several times a day	23.4 (101)	22.2 (85)	20.1 (77)	14.7 (91)	18.7 (121)	17.2 (89)	31.2 (141)	26.2 (123)	28.0 (88)
Every day or most days	25.1 (108)	27.4 (104)	21.6 (82)	21.0 (130)	25.9 (167)	21.6 (112)	26.8 (121)	25.5 (120)	30.8 (97)
At least once a week	18.2 (79)	19.8 (75)	24.1 (92)	13.6 (84)	17.0 (110)	18.7 (97)	15.2 (69)	22.8 (107)	18.3 (58)
Less than once a week	9.6 (41)	13.5 (51)	13.5 (52)	14.6 (90)	11.6 (75)	16.5 (86)	11.1 (50)	12.5 (59)	11.1 (35)
Never	22.2 (96)	16.1 (61)	19.7 (75)	34.3 (213)	26.0 (168)	25.1 (130)	14.5 (65)	11.6 (55)	11.1 (35)
Don't know	1.4 (6)*	1.0 (4)*	0.8 (3)*	1.8 (11)	0.8 (5)*	0.8 (4)*	1.1 (5)*	1.4 (6)*	0.7 (2)*
Do you consider yourself addicted to cigarettes?									
Yes, very addicted	18.1 (78)	23.9 (91)	19.9 (77)	11.7 (72)	14.6 (94)	14.3 (74)	14.1 (64)	18.4 (86)	18.7 (59)
Yes, a little addicted	46.4 (200)	38.6 (147)	39.1(150)	31.2 (193)	40.2 (259)	39.6 (206)	46.6 (210)	45.6 (214)	48.1 (152)
Not at all	32.8 (141)	35.9 (137)	39.4 (152)	54.3 (336)	45.1 (291)	44.6 (231)	37.8 (171)	34.2 (161)	32.0 (101)
Don't know	2.7 (12)*	1.6 (6)*	1.5 (6)*	2.9 (18)	0.1 (1)*	1.4 (7)*	1.5 (7)*	1.7 (8)*	1.2 (4)*

Note: Respondents replying "Refused" (<1.3% in every question) have been excluded from the cells of the table

*High variability (coefficient of variation >33.3%); interpret with caution

Supplemental Table 2: Indicators of perceived vaping and cigarette smoking dependence among past 30-day users, 2017 to 2019, by exclusive versus dual use and by country, weighted %

	2017				2018				2019			
	URGE TO USE ^a		PERCEIVED ADDICTION ^b		URGE TO USE ^a		PERCEIVED ADDICTION ^b		URGE TO USE ^a		PERCEIVED ADDICTION ^b	
	Smoking	Vaping	Smoking	Vaping	Smoking	Vaping	Smoking	Vaping	Smoking	Vaping	Smoking	Vaping
CANADA												
Exclusive vaper	-	15.9%	-	19.8%	-	16.7%	-	20.9%	-	31.5%	-	43.3%
Exclusive smoker	52.2%	-	66.3%	-	48.6%	-	64.2%	-	42.3%	-	58.8%	-
Dual user	44.3%	38.5%	66.3%	50.8%	51.7%	36.3%	62.8%	44.1%	41.9%	43.8%	60.8%	59.4%
US												
Exclusive vaper	-	15.9%	-	18.8%	-	25.8%	-	31.2%	-	41.0%	-	48.3%
Exclusive smoker	46.7%	-	55.0%	-	43.3%	-	59.5%	-	51.2%	-	62.1%	-
Dual user	68.8%	44.9%	67.1%	52.1%	59.6%	54.7%	69.7%	59.2%	63.7%	59.1%	70.6%	65.6%
ENGLAND												
Exclusive vaper	-	18.8%	-	24.2%	-	19.6%	-	31.3%	-	25.9%	-	30.2%
Exclusive smoker	31.0%	-	35.8%	-	40.6%	-	48.6%	-	32.2%	-	48.5%	-
Dual user	47.7%	30.6%	61.6%	40.1%	53.6%	38.2%	67.4%	49.8%	48.2%	39.3%	62.7%	49.6%

^aPercentage reporting strong urges to use an e-cigarette/smoke “several times a day, or every day/most days”

^bPercentage reporting they perceive themselves as “a little addicted” or “very addicted” to vaping/smoking.

Note: “Refused” and “Don’t know” responses excluded from denominators