

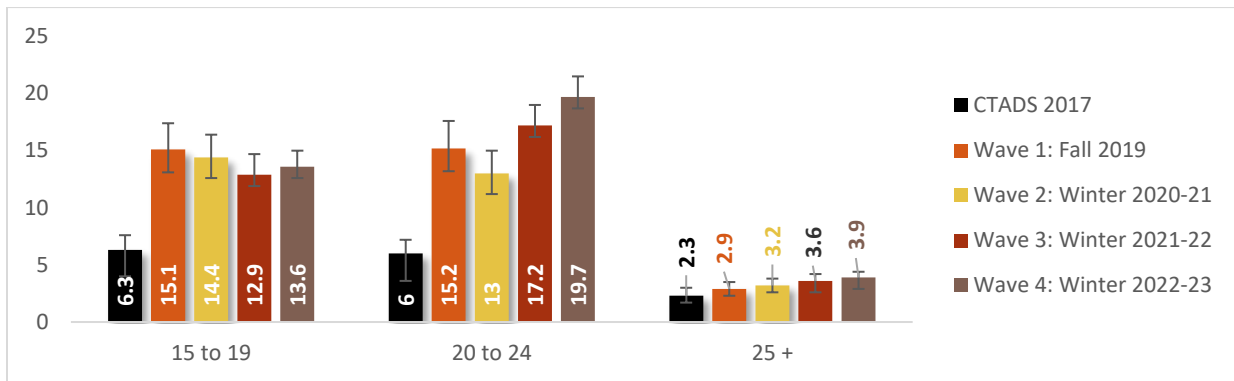
Insights from national survey data

## The Canadian Tobacco & Nicotine Survey:

### Reforming the vaping laws primarily affected young people.

The 2018 law which opened the commercial vaping market in Canada resulted in a greater increase in the use of vaping products by younger Canadians in comparison with adults over 25 years of age.

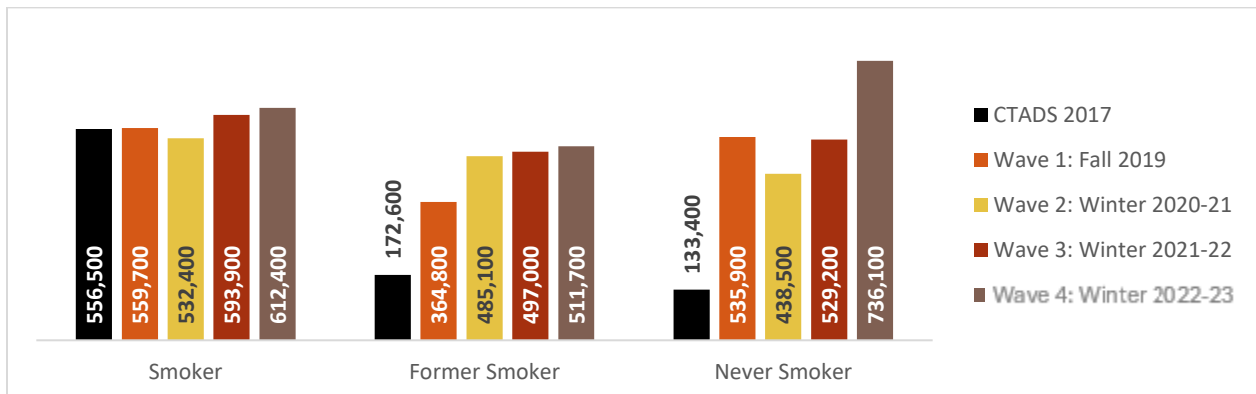
PREVALENCE OF PAST-MONTH VAPING BY AGE GROUP: CTADS 2017, CTNS 2019 TO 2023



### Vaping has increased harm to non-smokers and continuing smokers.

Since 2018 the number of never smokers who vape has grown at a much faster pace than the number of former smokers. Even among daily vapers, there are fewer former smokers than continuing and never-smokers.

NUMBER OF CANADIANS WHO VAPED OVER THE PAST MONTH BY SMOKING STATUS CTNS 2019 TO 2023

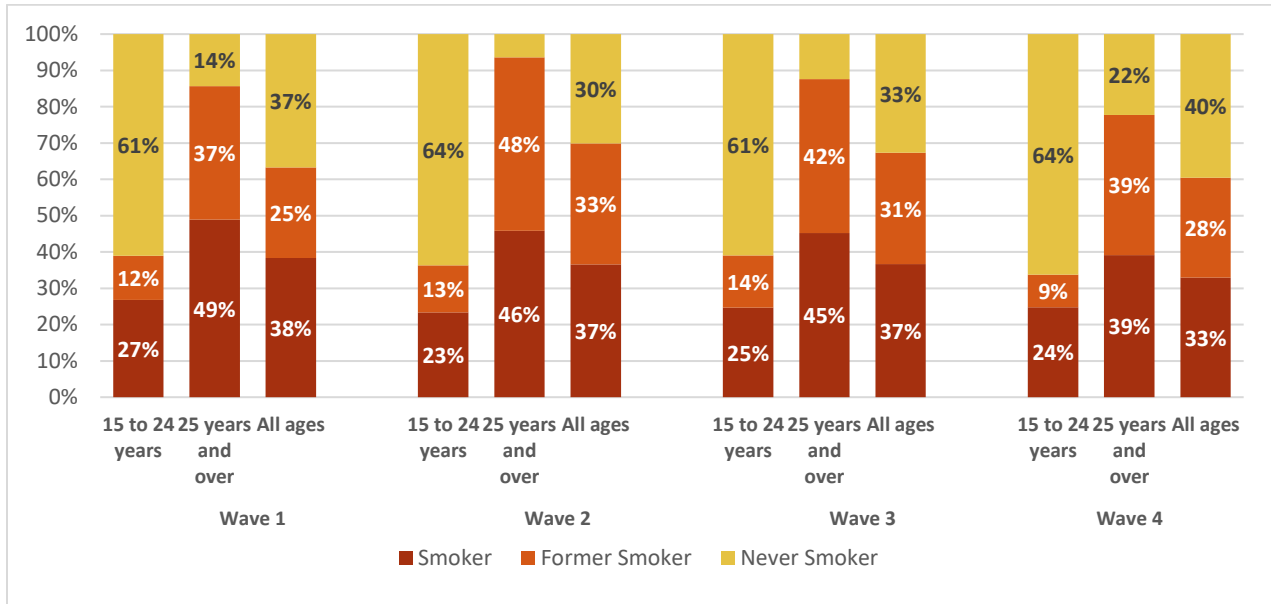


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The smoking status of vapers is markedly different for young Canadians than it is for older Canadians. But even among adults over 25, there are likely more who are harming their health (by adding the different risks of vaping to those of smoking) and who switched to vaping instead of quitting nicotine use altogether than there are who are experiencing the putative benefits of replacing combustible cigarettes with electronic nicotine devices.

**SMOKING STATUS OF CANADIANS WHO VAPED IN PAST-MONTH, CTNS 2019-2023**



**ESTIMATED PERCENTAGE OF CANADIANS WHO VAPED IN THE PAST 30 DAYS (WITH CONFIDENCE LIMITS).**

	15 to 19 years	20 to 24 years	25 and over	All age
<b>CTADS 2017</b>				
Male	8.1 [6.1-10.1]	9.5 [7.1-11.8]	2.6 [1.6-3.6]	3.6 [2.7-4.5]
Female	4.4 [3.0-5.7]	2.5 [1.5-3.4]	2.0 [1.1-2.8]	2.2 [1.4-2.9]
Both	6.3 [5.0-7.5]	6.0 [4.8-7.3]	2.3 [1.6-3.0]	2.2 [1.4-2.9]
<b>Wave 1: Fall 2019</b>				
Male	16.1 (12.7 – 19.5)	18.0 (14.2-21.8)	3.8 (2.8-4.7)	5.8 (4.9 – 6.7)
Female	13.6 (10.6 – 16.7)	11.8 (8.6-15.0)	2.1 (1.5 - 2.7)	3.6 (3.0 – 4.2)
Both	15.1 (12.8 – 17.4)	15.2 (12.8-17.7)	2.9 (2.3-3.5)	4.7 (4.2 – 5.3)
<b>Wave 2: Winter 2020-21</b>				
Male	14.9 (12.3 - 18.1)	15.4 (12.5-18.8)	3.8 (3.0 – 4.8)	3.6 (3.0-4.3)
Female	14.0 (11.1 - 17.5)	10.0 (7.6-12.9)	2.3 (1.7 – 3.1)	5.5 (4.7-6.4)
Both	14.4 (12.4 - 16.8)	13.0 (11.0 – 15.2)	3.2 (2.6 – 3.8)	4.6 (4.1-5.2)
<b>Wave 3: Winter 2021-22</b>				
Male	12.2 [9.9-14.6]	20.0 [17.4-22.6]	3.8 [2.9-4.7]	5.7 [4.9-6.5]
Female	13.0 [10.7-15.3]	14.0 [11.9-16.2]	3.1 [2.3-3.8]	4.5 [3.8-5.2]
Both	12.9 (11.4-14.7)	17.2 (14.5-19)	3.6 (3.0-4.2)	5.2 [4.7-5.8]
<b>Wave 4: Winter 2022-23</b>				
Male	14 [11.9-16]	22.7 [20.0 – 25.4]	4.5 [3.5-5.4]	6.5 [5.7-7.4]
Female	13.2 [11.2-15.1]	16.5 [14.2-18.9]	3.4 [2.7-4.2]	5 [4.3-5.7]
Both	13.6 [12.2-15]	19.7 [17.9-21.5]	3.9 [3.4-4.5]	5.8 [5.2-6.3]

**ESTIMATED PERCENTAGE OF CANADIANS WHO SMOKED CIGARETTES IN THE PAST 30 DAYS (WITH CONFIDENCE LIMITS).**

	15 to 19 years	20 to 24 years	25 and over	All age
<b>CTADS 2017</b>				
Male	8.4 [6.1-10.7]	20.0 [16.8-23.2]	17.4 [14.7-20.1]	17.0 [14.7-19.3]
Female	4.8 [3.5-6.0]	10.9 [8.5-13.3]	14.5 [12.4-16.7]	13.6 [11.8-15.5]
Both	6.6 [5.3-7.9]	15.6 [13.6-17.6]	16.0 [14.3-17.7]	15.3 [13.8-16.8]
<b>Wave 1: Fall 2019</b>				
Male	6.0 [3.8-8.1]	15.3 [11.7-19.0]	13.2 [11.6-14.9]	12.7 [11.2-14.1]
Female	#	10.6 [7.3-13.8]	11.8 [10.5-13.2]	11.1 [9.9-12.2]
Both	5.1 [3.7-6.5]	13.3 [10.8-15.8]	12.5 [11.4-13.6]	11.9 [10.9-12.8]
<b>Wave 2: Winter 2020-21</b>				
Male	#	12.3 [9.4-15.2]	12.7 [11.1-14.2]	12.1 [10.7-13.4]
Female	#	4.3 [2.5-6.1]	9.5 [8.2-10.7]	8.6 [7.5-9.7]
Both	3.1 [2.0-4.3]	8.4 [6.7-10.1]	11.0 [10.0-12.0]	10.3 [9.5-11.2]
<b>Wave 3: Winter 2021-22</b>				
Male	3.8 [2.4-5.2]	13.2 [11.0-15.4]	12.3 [10.8-13.8]	11.8 [10.5-13.0]
Female	2.7 [1.6-3.8]	6.1 [4.6-7.6]	9.2 [8.0-10.3]	8.5 [7.5-9.5]
Both	3.5 [2.7-4.5]	9.8 [8.5-11.2]	10.8 [9.9-11.7]	10.2 [9.4-11.0]
<b>Wave 4: Winter 2022-23</b>				
Male	5.1 [3.8-6.3]	9.6 [7.7-11.5]	13.8 [12.3-15.3]	12.9 [11.6-14.1]
Female	3.3 [2.3-4.4]	5.6 [4.1-7.0]	9.8 [8.6-10.9]	9.1 [8.1-10.0]
Both	4.2 [3.4-5.1]	7.7 [6.5-8.9]	11.7 [10.8-12.7]	10.9 [10.1-11.7]

# unreportable due to low cell count

**ESTIMATED POPULATION OF CANADIAN VAPERS BY AGE GROUP AND SMOKING STATUS. CTNS 2019 TO 2023**

	Past month vapers				Did not vape in past month			
	Smoker	Former Smoker	Never Smoker	Total vapers	Smoker	Former Smoker	Never Smoker	Total Population
<b>Wave 1: Fall 2019</b>								
<b>15 to 19</b>	83,500	#	314,100	425,300	#	#	2,317,700	2,814,400
<b>20 to 24</b>	104,100	57,600	113,000	274,700	135,700	36,400	1,354,700	1,801,500
<b>25 and over</b>	372,000	279,600	108,800	760,400	2,878,300	7,145,000	15,479,800	26,263,400
<b>Men</b>	339,800E	249,900E	296,300	886,000	1,561,200	3,704,500	9,067,100	14,332,900
<b>Women</b>	#	#	238,800	563,300	1,505,300	3,491,400	10,085,100	15,081,800
<b>Total</b>	559,700	364,800	535,900	1,460,400	3,070,800	7,196,000	19,152,300	30,879,300
<b>Wave 2: Winter 2020-21</b>								
<b>15 to 19</b>	52,500	#	214,800	290,169	#	#	1,705,000	2,015,900
<b>20 to 24</b>	88,200	55,000	168,700	311,900	113,300	79,100	1,886,800	2,391,000
<b>25 and over</b>	391,700	407,200	Sup.	853,900	2,570,700	7,171,000	16,274,700	26,016,400
<b>Men</b>	340,900E	307,300E	231,800	880,000	1,524,200	3,807,500	9,245,000	14,576,600
<b>Women</b>	#	#	205,900E	573,100	1,170,500	3,452,500	10,620,700	15,243,700
<b>Total</b>	532,400	485,100	438,500	1,456,000	2,694,700	7,260,000	19,866,600	31,277,100
<b>Wave 3: Winter 2021-22</b>								
<b>15 to 19</b>	44,800E	#	205,100	262,400	#	#	1,769,000	1,802,300
<b>20 to 24</b>	122,000	84,700	207,200	413,900	118,100	#	1,810,500	1,993,400
<b>25 and over</b>	427,000	399,800	#	943,800	2,419,400	6,415,600	16,605,500	25,440,500
<b>Men</b>	345,900	262,800E	262,500	871,200	1,443,500	3,251,500	9,604,200	14,299,300
<b>Women</b>	222,000E	215,300E	268,700	706,000	1,110,000	3,189,800	10,574,900	14,874,600
<b>Total</b>	593,900	497,000	529,200	1,620,100	2,564,300	6,487,000	20,184,900	29,236,200
<b>Wave 4: Winter 2022-23</b>								
<b>15 to 19</b>	68,200	#	196,700	285,300	#	#	1,794,400	1,820,600
<b>20 to 24</b>	115,300	66,000	293,600	474,900	69,800	54,900	1,812,400	1,937,150
<b>25 and over</b>	433,000	425,900	246,400	1,105,300	2,806,100	6,923,100	16,710,700	26,439,900
<b>Men</b>	330,400	306,800	405,400	1,042,600	1,696,400	3,508,600	9,609,800	14,814,700
<b>Women</b>	282,000	204,900	330,700	817,600	1,198,350	3,475,500	10,707,200	15,381,000
<b>Total</b>	612,400	511,700	736,100	1,860,200	2,894,700	6,984,100	2,0317,000	30,196,000

# = data suppressed due to low cell count.; E=use with caution

## Background

Statistics Canada has conducted four waves of the Canadian Tobacco and Nicotine Survey.

- The first results of the CNTS were released by Statistics Canada on March 17, 2020<sup>1</sup> and the Public Use Microfile was made available in July.<sup>2</sup> Health Canada subsequently released some tables,<sup>3</sup> and in July, Statistics Canada released the Public Use Microfile for this survey. The survey was conducted between October and December 2019. 8,614 Canadians participated, representing 44.4% of those who were asked to do so.
- In March 2021, Statistics Canada released some results from the second wave, for which the Public Use Microfile was released in July 2022. This wave of the survey was conducted in December 2020 to January 2021. 8,112 Canadians participated, representing 41% of those who were asked to do so.<sup>4</sup> Health Canada has also released tables for this survey.<sup>5</sup>
- In May 2022, some results were released for the third wave, for which the Public Use Microfile was released at the end of August 2022. The survey was conducted from mid-December 2021 to early February 2022. 9,908 Canadians participated, representing 42% of those who were asked to do so. Health Canada released tables for this survey in May 2023.<sup>6</sup>
- On September 11 2023, results were released for the fourth wave by Statistics Canada and Health Canada. The survey was conducted from November 30, 2022 to January 31, 2023. Information was collected from 12,133 respondents.

Answers from survey respondents are collected either from computer-assisted telephone interviewing or through an electronic questionnaire.

## Endnotes

- 1 Statistics Canada. Canadian Tobacco and Nicotine Survey, 2020, <https://www150.statcan.gc.ca/n1/daily-quotidien/210317/dq210317b-eng.htm>
- 2 Canadian Tobacco and Nicotine Survey: Public Use Microdata File <https://www150.statcan.gc.ca/n1/pub/13-25-0001/132500012021001-eng.htm>
- 3 Canadian Tobacco and Nicotine Survey (CTNS): summary of results for 2019 <https://www.canada.ca/en/health-canada/services/canadian-tobacco-nicotine-survey/2019-summary.html>
- 4 Statistics Canada. Canadian Tobacco and Nicotine Survey (CTNS). <https://www23.statcan.gc.ca/imdb/p2SV.pl?Function=getSurvey&SDDS=5305>
- 5 Health Canada. Canadian Tobacco and Nicotine Survey (CTNS): summary of results for 2020 <https://www.canada.ca/en/health-canada/services/canadian-tobacco-nicotine-survey/2020-summary.html>
- 6 Health Canada. Canadian Tobacco and Nicotine Survey (CTNS): summary of results for 2021 <https://www.canada.ca/en/health-canada/services/canadian-tobacco-nicotine-survey/2021-summary.html>