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Final Report
**Understanding Youth and Young Adults’
Interest in, and Usage of, Flavoured Cannabis
Vaping Products**

Prepared for
Health Canada
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March, 2021

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Understanding Youth and Young Adults' Interest in, and Usage of, Flavoured Cannabis Vaping Products

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Supplier Name: The Strategic Counsel

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This public opinion research report presents the results of an online survey conducted by The Strategic Counsel on behalf of Health Canada. The research study was conducted with 1,501 youth and young adults in October and November 2020.

Cette publication est aussi disponible en français sous le titre: Les produits de vapotage de cannabis aromatisés : intérêt et consommation chez les jeunes et les jeunes adultes.

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I. Executive Summary

Executive Summary

A. Background and Objectives

The *Cannabis Act* and *Cannabis Regulations* came into force in Canada on October 17, 2018, creating a new legal framework for the control, production, distribution, sale and possession of cannabis in Canada. While the legal framework provides adults with access to a quality-controlled supply of cannabis, the Act prohibits the sale of cannabis to youth and any products, promotion, packaging or labelling that could be appealing to young people. On June 26, 2019, Health Canada published the *Regulations Amending the Cannabis Regulations (New Classes of Cannabis)* setting out the rules governing the legal production and sale of three new classes of cannabis, including cannabis extracts (e.g., cannabis vapes). Regulatory controls aim to mitigate public health and public safety risks associated with these products, including their potential appeal to youth. Control measures include restrictions on product ingredients, limits on the amount of tetrahydrocannabinol (THC) permitted in a product, and restrictions on the promotion of certain flavours, among other measures. Although cannabis extracts are permitted to include flavouring agents as ingredients, it is prohibited to promote a cannabis extract in a manner that could cause a person to believe it has the following flavours: confectionary, dessert, soft drink or energy drink. However, other flavours such as fruit and menthol are permitted.

The amended *Cannabis Regulations* came into force on October 17, 2019. As such, new products – including cannabis vapes – began to become available for adult consumers in licensed retail stores in some provinces as of mid-December 2019. Some provinces have taken action to prevent the sale of cannabis vape products or flavoured cannabis vape products thus, the presence of these products in the legal market is still relatively new and varies considerably across Canada. This provides a unique opportunity for Health Canada to explore the usage and appeal of cannabis vape products among certain populations as they enter the legal market.

Vaping, in particular, has become an increasingly popular way for youth and young adults to consume cannabis, according to results from the 2018-19 Canadian Student Tobacco, Alcohol and Drugs Survey (CSTADS)¹ and the Canadian Cannabis Survey 2019 (CCS).² The CCS study highlighted that vaping cannabis with portable devices (e.g. vapes) and dabbing – a process which also uses cannabis extracts intended for inhalation, such as wax – is more popular with 16 to 19 and 20 to 24 year olds than it is with those aged 25 and older.

Previous research conducted by Health Canada in 2018 on nicotine vape products indicated that flavours are a key factor influencing youth experimentation and use of these products. Flavour was cited as the second most popular reason by youth aged 13 to 19 when asked about the reasons why they had started

¹ <https://www.canada.ca/en/health-canada/services/canadian-student-tobacco-alcohol-drugs-survey/2018-2019-summary.html>.

² <https://www.canada.ca/en/health-canada/services/publications/drugs-health-products/canadian-cannabis-survey-2019-summary.html>.

vaping nicotine products.³ However, to date, there has been less research on the impact that flavour has on youth and young adults who are interested in vaping cannabis and the role that flavours play with respect to their attitudes on, or usage of, cannabis vape products.

The primary objective of this research was to address this gap by gathering information from youth and young adults (aged 15 to 24, who are vaping cannabis extracts intended for inhalation) about their attitudes and behaviours towards these products, as well as the role that products with a flavour other than cannabis flavour play in their usage. Although it is also possible to use a vaporizer to vape dried cannabis flower (sometimes also referred to as vaping cannabis), this research focused solely on vaping cannabis extracts intended for inhalation. Specifically, this research aimed to provide insights into various aspects of the use and appeal of cannabis vaping products, including:

- Frequency of use of products with a flavour other than cannabis flavour, when vaping cannabis;
- Whether they were the first cannabis products tried or secondary to trying other kinds of cannabis products and whether they were using any other vaping products such as nicotine-based vaping products, including flavoured varieties;
- Motivators, influencers and factors that led to their interest and use of these products, including their decision to start using, or to continue using, cannabis vape products;
- Use and appeal of specific flavours as well as the extent to which certain information such as the ingredient list, terpene profile, or name of the product can evoke a sense of flavour;
- Where they source flavoured cannabis vape products from, including both the legal and illegal markets;
- The impact that restrictions on the sale of flavoured cannabis vape products would have on their intention to continue using cannabis products; and
- Whether there are any differences in the behaviours or attitudes expressed by participants depending on a variety of identity factors (e.g. self-identified sex, gender, sexual orientation, age, geography, ethnicity, or education).

B. Methodology

This research was undertaken between October 19th and November 3rd, 2020 among 1,501 Canadian youth, aged 15 to 17 (n=750), and young adults, aged 18 to 24 (n=751). Respondents were profiled, selected and screened through the use of a nationally representative online panel.

Since the survey was intended to target such a narrow sub-group of the population, only age was set as a hard quota. Through setting soft quotas, the research design also aimed to get a reasonable cross-section

³ <https://www.canada.ca/en/health-canada/programs/consultation-reducing-youth-access-appeal-vaping-products-potential-regulatory-measures/document.html>

of respondents by gender, region and language as per the latest Statistics Canada data. These variables were monitored throughout the period this survey was in field.

More information about the youth and young adults who participated in the survey in terms of standard demographics including the participant's sex at birth, gender, sexual orientation, region, language, ethnicity, education, household income, living situation and community makeup can be found in Section IX - Respondent Profile.

In addition to totals, throughout the report breakouts by the following key subgroups are shown on the right side of the tables:

- Gender: male, female (for the purposes of this report, the terms "male" and "female" refer to participants' gender identity, unless otherwise noted);
- Age: 15-17 years old, 18-24 years old; and
- Cannabis vaping status: frequent vapers (who vape cannabis at least one day a week or more), regular vapers (who vape cannabis one to three days per month), occasional vapers (who vape cannabis less than one day per month, but who have vaped cannabis within the last year) or infrequent vapers (who have not vaped cannabis in the last 12 months).

Conducting the survey online was deemed to be the most appropriate approach for a range of reasons, including: the sensitivity of the topic, the need to include detailed explanations and descriptions within the survey to enhance clarity for respondents, and to avoid any misinterpretation which could adversely affect the validity of the data, and the low incidence of the target group within the population.

A series of screening questions were employed to specifically target those who had vaped cannabis in the past (see Section X for the full list of survey questions). In accordance with Government of Canada and Health Canada standards for conducting public opinion research, consent was obtained from a parent or guardian specifically for the 15-year old respondents. The survey was about 15 minutes in length, but ran anywhere between 8 and 39 minutes in length depending on individual respondent's use of various products and their experience using flavoured cannabis vape products.

All sub-group differences noted in the report are considered significant based on T-Test for Means and Z-Test for percentages.

More information about the survey methodology can be found in Section VIII.

C. Key Findings

Among youth and young adults who are vaping cannabis, many are doing so frequently and in a variety of settings, primarily social. Frequency of use correlates with other key attitudes and behaviours related to cannabis use, in particular having begun vaping cannabis at a relatively early age.

Just under two-thirds of respondents are frequent cannabis vapers (61%), which for the purposes of this research was defined as vaping cannabis at least 1 day per week or more within the last 12 months.

Another one-in-five (19%) vape cannabis between 1 to 3 days a month.

- A higher proportion of frequent cannabis vapers are found among the younger cohort, aged 15 to 17 (69%) compared to those aged 18 to 24 (52%); and, among males (75%) compared to females (47%).
- The age at which respondents first began vaping cannabis varies, although one-in-five (20%) frequent vapers began vaping cannabis when they were younger than 13 years of age.

Half (50%) say they were also using other cannabis products when they first began vaping cannabis.

- Over one-third (38%) did indicate these were the first cannabis products they started using, while just over one-quarter (29%) reported that they were also using non-cannabis vapes at the time they started vaping cannabis.

Cannabis vaping occurs in a variety of situations, including in both social and individual settings. Many youth and young adults report that they usually vape cannabis with friends (65%) or at parties/social events (42%). At the same time, a large proportion vape cannabis when they are alone (47%), and this tendency is more common among frequent vapers (57%) relative to those who vape less often.

- Vaping cannabis while driving occurs fairly rarely (only 6% of all respondents reported this behaviour), although a slightly higher proportion of frequent vapers (9%) report doing so.

The motivators which prompted initial interest in cannabis vaping are wide-ranging – general curiosity is foremost among them (81% say it was a somewhat/very important factor). Peer influence also ranks highly (68%) as does the perception that vaping is a safer alternative to smoking (66%). However, the taste and smell of the product (72%) as well as the ability to get products with a flavour that is different from cannabis (e.g., melon, citrus, grape) (65%) are firmly situated within the top 5 motivating factors, ranked by perceived importance.

There is some variability by gender, age and frequency of use in the degree to which each of these motivators is viewed as important, although each of the above-noted factors consistently ranks within the top 5 (out of 8 factors tested) across all sub-groups.

- The ability to get products with a flavour that is different from cannabis has particular appeal among frequent vapers (74%), males (71% vs. 61% for females) and the younger age group (69% for 15 to 17 year olds; 61% for 18 to 24 year olds).
- Flavour is also cited as a key reason why respondents choose to vape cannabis versus using it in other ways, by about two-in-five respondents (42%), although the primary motivator, mentioned by almost half (47%) is convenience. Another one-third (33%) mentioned that they like that they can get flavoured products that do not taste like cannabis.
- And, while price is a key factor for almost half of survey respondents when selecting which vape products (46%) to use, flavour is the next most cited consideration (38%). Flavour is also a stronger purchase driver among youth (44%), compared to young adults (31%).

Flavoured cannabis products are highly popular among respondents— especially fruit and candy-flavoured products. Just over half (51%) of the respondents state they use flavoured products regularly – either very often (33%) or always (18%). Moreover, most respondents, including those aged 15 to 17, find these products are easily obtained regardless of where they live in Canada. Respondents are also able to readily ascertain whether a vape product is flavoured or not by the product name or description in addition to other indicators such as the strain name, information obtained online, from a family member or by a salesperson at a retail outlet, as well as the ingredient list and the packaging.

Regular use (those who reported always or very often using a flavoured cannabis product) of flavoured cannabis products when vaping is higher among the younger cohort, aged 15-17 (58% say they use them very often or always) compared to those aged 18-24 (44%). In addition, almost 9 out of 10 in the younger age group (88%) say that these products are somewhat or very easy to obtain.

- Just over half of respondents say they source these products only through legal channels (51%), but a sizeable proportion say they are sourcing through a mix of legal and illegal channels (28%) or illegal channels only (13%).

Preferences for different types of flavours vary, but a majority (57%) have tried fruit-flavoured products and significant numbers of cannabis vapers have also tried candy-flavoured (40%) and mint or menthol (34%). Somewhat fewer have tried dessert-flavoured (25%), soft drink (20%) or energy drink-flavoured (17%) products.

- There are clear gender differences when it comes to the use of and preference for flavours. Females are more likely to have tried and prefer fruit, candy and dessert-flavoured products.

When asked to imagine what they would do if flavoured products were no longer available through a legal retailer, most respondents say they think they would continue to either vape cannabis (44%) or that they would stop vaping cannabis, but use other cannabis products (36%). A smaller percentage say they would stop vaping cannabis and switch to other flavoured vape products, such as nicotine vapes (17%). Very few think they would stop using cannabis altogether and would not use other vape products (9%).

Among the 44% of respondents who said they would continue to vape cannabis if restrictions were to be placed on flavoured cannabis vape products, a large proportion (66%) said they would do so by vaping non-flavoured cannabis products, while just under half (45%) said they would purchase flavoured cannabis products from an illegal source. However, it is not clear what percentage of those who said they would purchase these products illegally may have been doing so previously.

A short series of attitudinal statements was included in the survey to assess respondents' general views towards cannabis use and cannabis vaping, specifically focusing on benefits and risks associated with use and the environmental context in which it is used. The findings showed that the vast majority of respondents associate specific recreational and social benefits of using cannabis and health benefits with vaping cannabis, particularly when compared to smoking cannabis (e.g., 70% agree vaping is safer). At the same time, there is a relatively high level of understanding of the risks related to cannabis use such

as addiction and dependency, problems with memory, learning and decision-making (e.g., 74% agree using cannabis may result in these issues).

Advanced statistical analysis was undertaken to better understand the profile of respondents according to their usage of cannabis vape products and flavoured vape products and their attitudes regarding three specific attitudinal statements regarding the risks associated with cannabis. This produced three broad segments or categories of respondents: Higher Usage (representing 33% of respondents), Medium Usage (44%) and Lower Usage (23%).

The Higher Usage segment is predominantly heterosexual, male, younger (aged 15-17), from households with annual incomes of \$60,000 to just under \$100,000 and resides in larger centres and urban areas. Of note, this group is more likely, relative to the other two segments, to have begun vaping at an earlier age, report that vaping cannabis was the first cannabis product they started using and to cite taste and smell as well as an ability to get products with a flavour that is different from cannabis as influencing factors.

- Relative to the other two groups, the Higher Usage group is also more inclined to indicate that a primary reason for choosing to vape cannabis rather than use cannabis in other ways is that it gets them more 'high' (i.e. produces a stronger psychoactive effect). This group is also notable in that they demonstrate markedly higher awareness of advertising for cannabis and for use of cannabis in social settings.

A sex- and gender-based analysis plus (SGBA+) was also undertaken to permit Health Canada to explore any differences in behaviours or attitudes of respondents based on the intersection of gender and a variety of other identity factors such as sexual orientation, age, education and community size. A detailed analysis is provided in Section VII. The analysis did demonstrate some variability in usage and behaviours.

- Those who identify as male and who are in the younger cohort, aged 15 to 17, were generally more likely to be frequent cannabis vapers, regularly use flavoured cannabis vape products and more inclined to be influenced by flavours other than cannabis as well as the taste and smell of the product. The same pattern holds true, generally speaking, for the group which identifies as heterosexual females, compared to females overall.
- While there was some variability by community size and educational attainment, there was no consistent pattern.

D. Conclusions

The use of flavoured products is popular among youth, aged 15 to 17, and young adults, aged 18 to 24, who vape cannabis. Flavoured cannabis vape products are regularly being used and obtaining these products is reportedly easy for the majority of respondents. Among youth and young adults who identified as frequent vapers of cannabis, it was found that their experimentation with these products was more likely to have begun at a fairly young age. The findings also show that young people are commonly introduced to cannabis vaping by their peers, although general curiosity about these products also plays a

significant role in their initial interest. At the same time, it is also clear from the results of this study that the sensory experience is a key factor motivating initial use, specifically the taste, smell and flavour of cannabis vape products.

E. Limitations

More information about some of the limitations of the study including the online methodology, composition of the final sample, and the target audience can be found in Section VIII – Methodology.

Note to Reader

Unless otherwise noted, results shown in this report are expressed as percentages and may not add up to 100% due to rounding and/or multiple responses to a given question.

MORE INFORMATION

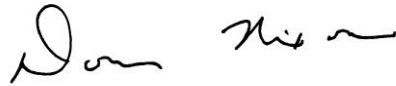
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Statement of Political Neutrality

I hereby certify as a Senior Officer of The Strategic Counsel that the deliverables fully comply with the Government of Canada political neutrality requirements outlined in the *Communications Policy* of the Government of Canada and Procedures for Planning and Contracting Public Opinion Research. Specifically, the deliverables do not include information on electoral voting intentions, political party preferences, standings with the electorate or ratings of the performance of a political party or its leaders.

Signed:



II. Cannabis Vaping Status

Cannabis Vaping Status

In order to participate in the survey, respondents had to have vaped cannabis at least once in their life. If they indicated they had vaped cannabis, respondents were then asked several questions regarding the frequency with which they vape cannabis and the various types of situations or circumstances in which they typically vape.

A. Frequency of Cannabis Vaping

A large proportion of respondents to the survey indicate they vape cannabis frequently: daily (10%), 5 or 6 days a week (16%), 3 or 4 days a week (19%), 1 or 2 days a week (15%). A small percentage said they have vaped on a less frequent basis: 2 to 3 days per month (12%), 1 day per month (7%), less than one day per month (14%). Relatively few (6%) reported not having vaped cannabis within the last 12 months.

FREQUENCY OF CANNABIS VAPING WITHIN PAST 12 MONTHS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24
	1501	715	764	750	751
	%	%	%	%	%
Daily	10	10	10	10	10
5 or 6 days per week	16	24	10	18	15
3 or 4 days per week	19	26	13	24	15
1 or 2 day(s) per week	15	16	15	17	13
2 or 3 days per month	12	10	14	13	12
1 day per month	7	5	9	5	9
Less than 1 day per month	14	7	20	9	18
I have not vaped cannabis in the last 12 months	6	3	9	4	9

Q6. In the past 12 months, how often did you vape cannabis? Base: Total sample

For analysis purposes, respondents were classified into four discrete categories based on their reported frequency of vaping cannabis, as per the above question. This classification has been employed consistently throughout the remaining sections of the report as a key analytical variable:

- *Frequent vaper* (61%) – those who vape cannabis at least one day a week or more
- *Regular Vaper* (19%) – those who vape cannabis one to three days per month
- *Occasional Vaper* (14%) – those who vape less than one day per month, but who have vaped cannabis within the last year
- *Infrequent Vaper* (6%) – those who have not vaped cannabis in the last 12 months

FREQUENCY OF CANNABIS VAPING WITHIN PAST 12 MONTHS (RECLASSIFIED)

	TOTAL	Male	Female	AGE 15-17	AGE 18-24
	1501	715	764	750	751
	%	%	%	%	%
Frequent Vaper	61	75	47	69	52
Regular Vaper	19	15	24	18	21
Occasional Vaper	14	7	20	9	18
Infrequent Vaper	6	3	9	4	9

Q6. In the past 12 months, how often did you vape cannabis? Base: Total sample

Notably, across both age groups, a majority of all respondents to the survey are classified as *frequent vapers* (69% among those aged 15 to 17; 52% among those aged 18 to 24).

From a demographic perspective, a higher proportion of *frequent vapers* tend to be found among the following groups:

- Males (75%);
- Those residing in households earning between \$60,000 and \$100,000 yearly (74%);
- French-speaking respondents (72%);
- The younger cohort, aged 15 to 17 years (69%); and
- Those of Middle Eastern/African ethnicity (66%).

With respect to vaping habits, *frequent vapers* are more inclined to:

- Have begun vaping at a younger age – 86% at under age 13;
- Report using flavoured cannabis products always or very often (76%); and
- Say that vaping cannabis was the first cannabis product that they used (65%).

Among female respondents, vaping cannabis tends to be less frequent, and just under half (44%) are classified as *occasional vapers* (20%) or *regular vapers* (24%).

Respondents who were classified as *occasional vapers* (that is, those who said they have vaped cannabis less than one day per month) or *infrequent vapers* (those who had not vaped cannabis in the last 12 months) were asked whether they had done so more frequently in the past. This follow-up question was asked to gain insight into if those respondents who do not vape frequently now, ever did so in the past. Most (62% *occasional vapers*, 58% *infrequent vapers*) said they had not vaped more often in the past, while the remainder (38% and 42%, respectively) said they had.

B. Situational Use

Cannabis vaping occurs in a variety of situations and circumstances, most often in a social setting: with friends (65%) and at parties or other social events (42%). However, just under half of respondents (47%) say they vape cannabis when they are alone. Vaping with other family members is not typical (16%).

By location, a plurality of respondents (41%) indicated that they vape cannabis at home. Relatively few do so at school (14%), at work (10%) or when driving (6%).

TYPES OF SITUATIONS WHERE CANNABIS VAPING USUALLY OCCURS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
With friends	65	66	64	69	61	64	66	74	60
When I am alone	47	49	45	48	46	57	40	23	23
At parties or other social events	42	39	44	39	45	40	44	49	39
At home	41	38	44	35	47	46	41	28	28
With family	16	14	17	15	17	19	15	7	8
At school	14	17	12	19	10	17	12	7	8
At work	10	13	6	8	11	13	7	1	2
When I'm driving	6	8	4	6	6	9	1	<1	1
Only did it once	<1	-	1	<1	<1	-	-	1	1
Sleeping/Before bed/To help me sleep	<1	<1	<1	<1	<1	<1	-	-	1
Other	<1	<1	-	<1	<1	<1	-	-	-

Q15. In what situations do you usually vape cannabis? Multi-mention. Base: Total sample

Frequent vapers are more likely, compared to those who vape on a less frequent basis, to have vaped cannabis in many of the situations described, including when alone (57%), at home (46%), with family (19%), at school (17%), at work (13%) and when driving (9%).

Although only a small percentage of respondents stated that they vaped cannabis while driving, results did vary across some sub-groups:

- Respondents who identified their ethnicity as South Asian (16%) are somewhat more likely to say they vape cannabis while driving.
- Respondents who started vaping cannabis when they were under 13 years of age (12%) were also more likely to report vaping while driving.
- A slightly higher percentage of those using flavoured cannabis vape products always or often (9%) indicated they do so while driving, versus those who use these products sometimes (4%) or rarely or never (2%).

III. Introduction to Vaping

Introduction to Vaping

The following questions were intended to gauge how and when youth and young adults are first introduced to cannabis vaping and to better understand what prompts their initial interest in these products.

A. Age of First Use

As shown in the table below, the majority of respondents (76%) first began vaping cannabis before the age of 19.

The majority of youth (aged 15-17) started vaping cannabis between 13-18 years old (79%). Another one-in-five (21%) began when they were less than 13 years of age. The results for the older cohort (aged 18-24) were more split with almost half saying they started vaping cannabis after the age of 19 (48%) or between the ages of 13-18 (44%).

AGE OF FIRST USE

	TOTAL	Male	Female	AGE 15-17*	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
<13	14	16	13	21	7	20	6	1	10
13-18*	62	65	58	79	44	61	64	61	61
19+	24	19	29	-	48	19	30	38	29

Q10. At what age did you first begin vaping cannabis? Base: Total sample

*Respondents aged 15-17 were only permitted to answer <13 or 13-18.

Findings also vary across other demographic groups. The following groups were more likely to start vaping cannabis in the pre-adolescent years (less than 13 years of age):

- Those who identified as homosexual (37%) compared to heterosexual (14%);
- Francophones (30%) compared to Anglophones (11%); and
- Male vapers (16%) compared to female vapers (13%).

With regards to vaping habits:

- A higher proportion of frequent vapers (20%) were also more likely to vape cannabis before 13 years of age compared to those who vape less frequently, which may suggest that age of first use and frequency of use could be correlated.

B. Other Products Used at the Time

This survey also sought to better understand what other products young people were using at the time they began vaping cannabis. In particular, there was interest in determining whether respondents were using other vape products (such as nicotine vapes) prior to starting to use cannabis vapes.

With regards to cannabis use, exactly half of respondents (50%) reported they were already using other forms of cannabis products when they first began vaping cannabis. However, almost two-in five (38%) stated that cannabis vaping products were the first cannabis products they tried.

To better understand co-use between cannabis and nicotine products, young people were asked if they were using non-cannabis vapes and/or smoking tobacco when they first starting vaping cannabis. Overall, co-use at the time of first use was generally low. Less than three-in-ten (29%) respondents said that they were using non-cannabis vapes and only 15% reported also smoking tobacco at the same time.

OTHER PRODUCTS USED AT THE TIME OF INITIATION

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
I was also using other cannabis products	50	46	53	40	59	48	54	51	47
They were the first cannabis products that I started using	38	42	34	45	31	41	35	35	25
I was also using non-cannabis vapes (e.g., nicotine vape)	29	28	30	34	25	29	29	29	39
I was also smoking tobacco (e.g., cigarettes)	15	17	14	15	15	16	12	16	15

Q11. Which of the following best reflects your situation when you first started vaping cannabis? Base: Total sample

Looking across demographic groups, a higher proportion of those who reported using other cannabis products at the time they starting vaping cannabis were:

- Those who identified their sexual orientations as bisexual (65%), homosexual (59%), or “other” (76%)
- Young adults (59%, versus 40% of youth)
- Female vapers (53%, versus 46% of male vapers)

Infrequent vapers (39%), younger respondents (34% aged 15-17, versus 25% aged 18-24) and Anglophones (31% vs. 21% Francophones) were more likely to be using other non-cannabis vaping products at the time they started vaping cannabis.

C. Factors Influencing Initial Interest in Cannabis Vaping

A variety of factors were found to be key motivators in prompting young people’s initial interest in vaping cannabis. These include general curiosity (81% say it was somewhat/very important), taste and smell (72%), seeing other friends using them (68%), viewing it as a safer alternative to smoking (66%); the ability

to get products with a flavour that is different from cannabis (65%), product advertising (47%) and seeing celebrities (44%) or other family members use them (44%).

FACTORS INFLUENCING INITIAL INTEREST IN CANNABIS VAPING

% Very/Somewhat Important Factors	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
General curiosity/I wanted to know what it was like	81	82	80	82	80	81	77	89	78
The taste and smell	72	77	68	74	70	78	66	60	53
Seeing other friends use them	68	73	64	72	64	70	62	72	53
Vaping seemed like a safer alternative to smoking	66	73	60	69	63	71	63	53	48
The ability to get products with a flavour that is different from cannabis	65	71	61	69	61	74	57	51	40
Product advertising and promotions (e.g. on social media)	47	57	38	56	38	60	34	20	24
Seeing other family members use them	44	50	38	47	40	54	34	24	22
Seeing and/or hearing about celebrities or other well-known people who use them	44	57	32	55	32	56	32	18	12

Include mentions >5%.

Q12. Thinking back to when you first started vaping cannabis, how important were each of the following in you initially becoming interested in these products? Base: Total sample

Q13. Was there anything else that prompted your initial interest in these products? Base: Total sample

The findings from this question do vary across demographic sub-groups and by vaping habits.

- The taste and smell of cannabis vape products was a particularly strong motivator for frequent vapers (78%) and males (77%) compared to females (68%).
- Similarly, the ability to get products with a flavour that is different from cannabis is a particular motivator for frequent vapers (74%), male vapers (71%) compared to female vapers (61%), and has slightly stronger appeal among 15-17 year olds (69%) compared to the older cohort of 18-24 year olds (61%).

IV. Motivators for Cannabis Vaping

Motivators for Cannabis Vaping

This section examines the key motivators for youth and young adults to vape cannabis. In particular, we examine the various elements that are most important to this audience when selecting which cannabis vape product(s) they purchase.

A. Reasons for Choosing to Vape Cannabis

When respondents were asked the main reasons why they choose to vape cannabis rather than use it in other ways, liking the flavour (42%) and liking that they can get flavoured products that do not taste like cannabis (33%) were among the top five reasons cited. Other reasons included: convenience and discretion (47%), easier on the throat than smoking (38%), and that it does not produce as much smoke or smell as smoking cannabis (37%).

REASONS FOR CHOOSING TO VAPE CANNABIS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
It's more convenient and discrete	47	41	52	44	50	43	56	56	36
I like the flavour	42	46	38	46	37	47	38	31	25
It's easier on the throat than smoking	38	37	38	36	39	37	40	39	32
It doesn't produce as much smoke or as much of a smell as smoking cannabis	37	31	43	33	42	37	39	40	32
I like that I can get flavoured products that don't taste like cannabis	33	32	34	32	34	34	35	32	20
To avoid smoking and the harms associated with it	27	26	27	26	28	27	28	26	25
They get me more high than other cannabis products	25	31	19	29	21	31	21	11	5
I use cannabis for medical purposes and prefer to vape rather than use another method	16	19	14	19	13	22	12	2	4

Mentions under 1% not included.

Q14. What are the main reasons why you choose to vape cannabis, versus using it in other ways? Base: Total sample

Although convenience, flavour, and being easier on the throat than smoking were the top three reasons cited by respondents across age, gender and vaping status, some differences were noted in responses between groups.

Looking specifically at gender, female vapers are more likely, compared to male vapers, to have chosen to vape cannabis because of its convenience and because it is discrete (52% vs. 41% males) including the fact that vaping does not produce as much smoke/smell as smoking cannabis (43% vs. 31% males). Male vapers are more likely to have selected reasons like they find the flavour appealing (46% vs. 38% females) or that vaping cannabis gets them higher than the alternatives (31% vs 19% females).

Results also show significant differences by age.

- Motivators for the younger cohort (aged 15-17), in terms of their choice to vape cannabis rather than use it in another way, include: finding the flavour appealing (46% vs. 37% of the older cohort) and that vaping cannabis gives them a stronger “high” (i.e. a stronger psychoactive effect) than other cannabis products (29% vs. 21% of the older cohort).
- The older cohort of young adults (aged 18-24) are more likely to report convenience/discreetness (50% vs. 44% of the younger cohort) and less smoke/smell (42% vs. 33% of the younger cohort) as the main reasons they choose to vape cannabis versus using it in other ways.

Notably, frequent cannabis vapers are more likely to state that the flavour is appealing (47%) and that vaping cannabis gets them higher than other cannabis products (31%) as motivators to vape, compared to those who do so less often.

B. Medical and Non-Medical Use

The majority (61%) of youth and young adults report vaping cannabis primarily for non-medical purposes. Of the remainder, slightly less than one-quarter (23%) use cannabis for medical purposes. Another 16% say they vape cannabis for medical and non-medical purposes equally.

Of the 23% who said they primarily use cannabis for medical purposes, over three quarters (78%) do so with a medical document from a healthcare professional while 17% do so without.

PRIMARY REASON FOR USE: MEDICAL OR NON-MEDICAL USE

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Non-Medical	61	58	64	59	63	52	68	79	84
Medical	23	29	17	27	19	31	15	5	7
With a document from a healthcare professional	18	25	13	22	15	26	10	3	2
Without a document from a healthcare professional	4	4	5	5	4	5	4	2	5
Both	16	13	19	15	18	17	17	16	9

Q8/9. Combined. Base: Total sample

Q8. In the past 12 months, have you used cannabis for medical purposes? By medical purposes, we mean used to treat a disease/disorder or to improve symptoms associated with a disease/disorder.

Q9. Thinking about how you currently vape cannabis, are you typically using it for medical purposes (using it to treat a disease/disorder or to improve symptoms associated with a disease/disorder) or for non-medical purposes? Base: Have used cannabis for medical purposes.

C. Factors in Selection of Vape Products

The plurality of respondents identified price (46%) and flavour (38%) as two of the most important factors they consider when selecting a cannabis vape product. About one-third said that the THC or cannabidiol (CBD) content (35%) and/or the quality of the product (32%) were also important factors. Fewer, but still a

significant proportion, view the product safety reviews (22%) and the cannabis strain (20%) as important factors.

Factors such as the product name (11%), packaging (10%), and the manufacturer and/or grower (10%), and terpenes present (5%) were important to fewer than one-in ten respondents.

FACTORS IN SELECTION OF VAPE PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Price	46	46	45	44	48	47	49	43	32
Flavour	38	42	35	44	31	42	34	28	25
THC or CBD content	35	32	38	29	41	34	41	36	30
Quality of the product/vape	32	35	30	32	32	35	31	27	21
Safety reviews	22	23	22	23	22	22	24	23	16
The cannabis strain	20	20	20	18	23	23	20	13	12
Product name	11	15	6	14	7	14	7	4	2
Product packaging	10	14	7	12	9	13	8	3	4
The manufacturer/grower	10	11	8	12	7	12	10	2	3
Terpenes present	5	5	4	5	4	7	1	1	2
Other	<1	<1	<1	<1	1	<1	1	<1	2
I don't buy my own, I get them from someone else	9	3	14	9	9	2	11	27	33

Q16. Which of the following factors are most important to you when selecting which vape product(s) to purchase? Base: Total sample

Purchase drivers did vary significantly across some key demographic groups, as follows:

Price:

- Price appears to be a more important driver for Anglophones (49%), compared to Francophones (31%).

Flavour:

- Flavour is a stronger purchase driver among the younger cohort, aged 15-17 (44%, vs. those aged 18-24 31%), and for males (42% compared to females 35%).

THC or CBD

- The level of THC or CBD in the vape product is a stronger driver for Francophones (43%, vs. Anglophones 34%), young adults (41%, vs. youth 29%), as well as males (38%, vs. females 32%).

Quality of product/vape

- Lastly, a higher proportion of males (35%) cited the quality of the vape product to be an important purchasing factor, compared to females (30%).

Overall frequent vapers tended to have a number of stronger purchase drivers, compared to those who vape less often including: flavour (42%), the product name (14%), the product packaging (13%), and the presence of terpenes (7%).

V. Use of Flavoured Cannabis Products

Use of Flavoured Cannabis Products

A primary objective of this research was to better understand the use of flavoured cannabis products among young people who vape cannabis. A series of questions were included in the survey to gauge frequency of use of flavoured cannabis products, the various types of sources from which respondents obtain these products, the impact and appeal of specific flavours, and associated product use (e.g., other cannabis products used and use of flavoured varieties of these products). Prior to answering this series of questions, respondents were provided the following definition of what constitutes a flavoured cannabis vape product: *When we use the term **flavoured cannabis vape products**, we are referring to cannabis vape products with a flavour (e.g. melon, citrus, grape) that is different from the flavour commonly associated with cannabis.*

A. Frequency of Use of Flavoured Cannabis Products

The vast majority of respondents (90%) have tried a flavoured cannabis vape product. Among this group, just over half (51%) use flavoured cannabis products regularly – either very often (33%) or always (18%). Just over one-quarter (27%) use flavoured cannabis products sometimes, while about one-in-ten say they use these products rarely (12%).

FREQUENCY OF USE OF FLAVOURED CANNABIS PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
NET - ALWAYS/VERY OFTEN	51	61	42	58	44	64	37	27	21
Always	18	20	16	20	15	22	13	8	8
Very often	33	41	26	37	29	42	23	19	12
Sometimes	27	23	30	26	27	25	38	23	20
Rarely	12	9	15	8	16	5	17	30	23
Never	10	7	13	8	13	6	9	20	37
NET - RARELY/NEVER	22	16	28	16	28	11	26	50	60

Q18. When vaping cannabis, how often do you use flavoured cannabis products? Base: Total sample

Frequency of use of flavoured cannabis products varies considerably by vaping status and across key demographic groups.

Frequent cannabis vapers are much more likely to use flavoured cannabis products always or very often (64%) compared to those who say they vape cannabis regularly (37%), occasionally (27%) or infrequently (21%). However, half or more of occasional (50%) and infrequent vapers (60%) say they rarely or never use flavoured cannabis products.

Flavoured cannabis vape products are also used more frequently among:

- Those who identify as Middle Eastern (68% report using them always/very often) or South Asian (63%), with respect to their ethnicity;
- Males (61%);
- Francophones (59%); and
- The younger cohort of cannabis vapers, aged 15 to 17 (58%).

Similarly, use of flavoured cannabis products is also higher among respondents living in provinces and territories with known restrictions on the sale of cannabis vape products or on the sale of flavoured cannabis vape products (60%), compared to those without restrictions (48%).

A follow-up question was asked of those who responded that they rarely or never use flavoured cannabis products to better understand the reasons why.

Among those who indicate that they *rarely* use these products, the main reasons cited, in about equal proportions, are that the products are more expensive (35%), they have a hard time finding these products (34%) and that they do not like the flavour options or they prefer the taste of cannabis (31%). Far fewer said it was because they have never seen the products before or did not know they existed (16%).

REASONS FOR 'RARELY' USING FLAVOURED CANNABIS VAPE PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	181	61	115	63	118	47c	50	62	22c
	%	%	%	%	%	%	%	%	%
The products are more expensive	35	44	29	43	31	36	42	32	27
I have a hard time finding these products	34	25	37	44	29	38	28	37	32
Don't like the flavour options/prefer the taste of cannabis	31	44	24	27	33	34	42	21	27
I have never seen these products/I did not know they exist	16	13	17	17	15	26	14	10	18

Includes mentions >5%.

Q19. Why did you say you RARELY use flavoured cannabis vape products? Base: Those who use flavoured cannabis products rarely (at Q18)

c Caution, small base size

While there is some variability across sub-groups, the top three reasons offered as to why flavoured products are rarely used remain the same across demographics and by vaping status. However, further analysis is limited given small base sizes.

The reasons cited by those who say they *never* use these products were similar to those reported above, but a much larger percentage (55%) in this group say they have never seen the products or were unaware of them. About one-quarter (24%) say they do not like the flavour options or prefer the taste of cannabis, while far fewer cited reasons such as difficulty finding the products (15%), or the fact that these products are more expensive (13%).

REASONS FOR 'NEVER' USING FLAVOURED CANNABIS VAPE PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	154	51	97	59	95	53	25c	40c	36c
	%	%	%	%	%	%	%	%	%
I have never seen these products/I did not know they exist	55	61	53	61	51	62	52	43	58
Don't like the flavour options/prefer the taste of cannabis	24	27	23	17	28	26	24	30	14
I have a hard time finding these products	15	12	16	17	14	6	44	10	14
The products are more expensive	13	6	14	12	14	8	16	15	17

Includes mentions >5%.

Q19. Why did you say you NEVER use flavoured cannabis vape products? Base: Those who never use flavoured cannabis products (at Q18)

c Caution, small base size

In line with the findings reported above, there is some variability in the reasons given for never using flavoured cannabis products across the various sub-groups although the small base sizes prevent reaching any definitive conclusions. Nevertheless, over half or more of respondents cited that they were unaware of these products as the primary reason for never having used them, regardless of gender, age or vaping status.

B. Obtaining Flavoured Cannabis Products

The vast majority find it easy (85%) to obtain flavoured cannabis vape products – either somewhat (57%) or very easy (28%). Very few claim it is difficult (15%) – either somewhat (14%) or very (1%) difficult – to obtain these products.

EASE OF OBTAINING FLAVOURED CANNABIS PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1347	664	667	691	656	856	265	165	61
	%	%	%	%	%	%	%	%	%
NET – EASY	85	89	82	88	82	90	81	72	72
Very easy	28	33	24	27	29	32	23	19	20
Somewhat easy	57	57	58	60	53	58	58	53	52
Somewhat difficult	14	10	17	12	16	10	18	25	26
Very difficult	1	1	1	1	1	1	1	3	2
NET – DIFFICULT	15	11	18	12	18	10	19	28	28

Q20. In general, how easy or difficult is it for you to obtain flavoured cannabis vape products? Base: Those who always, very often, sometimes or rarely use flavoured cannabis products (at Q18)

Perceived ease of access varies minimally across demographic groups and by vaping status.

It is also worth noting that there were no significant variations in response to this question by respondents who live in provinces with or without known restrictions on the sale of cannabis vape products.

Those who vape flavoured cannabis products report obtaining them from a range of sources, as shown in the table below. Most commonly, respondents report obtaining these products from a friend (42%), a legal storefront (32%), a legal online source (25%), someone else whom they have asked to obtain the products on their behalf (23%), or through sharing among a group of friends (22%).

It is important to note that since some respondents who would not be able to legally purchase cannabis vape products (i.e. those aged 15-17 and those living in provinces that do not permit the legal sale of cannabis vape products) did report obtaining them from legal sources, the responses to this question should be interpreted with caution.

OBTAINING FLAVOURED CANNABIS PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1347	664	667	691	656	856	265	165	61
	%	%	%	%	%	%	%	%	%
A friend	42	45	39	50	34	42	42	44	33
A legal storefront	32	30	34	22	43	33	34	29	25
A legal online source (e.g., Health Canada licensed producer, provincial regulated retailer)	25	23	27	20	29	24	29	24	13
I ask someone else to get them for me	23	24	21	30	15	24	21	19	15
It was shared around a group of friends	22	24	19	25	18	21	20	25	26
A dealer	19	22	16	22	16	22	16	10	10
An acquaintance	14	19	10	18	11	16	16	6	2
A family member	14	14	14	17	10	16	9	11	10
An illegal storefront	9	12	5	10	7	11	5	3	3
An illegal online source	9	11	6	8	9	10	8	4	5
I make my own	8	12	4	9	7	12	2	1	2
Other	<1	-	<1	-	<1	-	<1	-	-

Q21. Where do you get the flavoured cannabis vape products that you use/have used? Base: Those who always, very often, sometimes or rarely use flavoured cannabis products (at Q18)

There is some variability in the sources identified by age group, which in large part is likely a reflection of the minimum age at which Canadians are able to legally purchase cannabis products. Younger vapers, aged 15 to 17, are somewhat more likely to source flavoured cannabis vape products from informal and/or illegal sources compared to their older counterparts:

- A friend (50% vs. 34% among those aged 18-24)
- Someone else whom they ask to obtain the products for them (30% vs. 15%)
- A group of friends, among whom they share these products (25% vs. 18%)
- A dealer (22% vs. 16%)
- An acquaintance (18% vs. 11%)

- A family member (17% vs. 10%)
- An illegal storefront (10% vs. 7%)

By contrast, those aged 18 to 24 are more likely to source these products from:

- A legal storefront (43% vs. 22%)
- A legal online source (29% vs. 20%)

Those who say they obtain flavoured cannabis products from a family member, friend or group of friends, or an acquaintance were asked whether, as far as they knew, these individuals obtained the products via a legal source. The results shown in the table below highlight that most believe others are obtaining these products from a legal source. Although, depending on the source (e.g. a friend or an acquaintance) anywhere from 9% to 26% of respondents admit to not knowing if the product was from a legal or illegal source.

PERCEIVED LEGALITY OF SPECIFIC SOURCES FROM WHICH FLAVOURED CANNABIS PRODUCTS ARE OBTAINED

	Family member	Friend	Group of friends where shared	Acquaintance	Someone else
	187	563	293	191	305
	%	%	%	%	%
A legal source	82	65	69	72	64
An illegal source	15	17	16	18	18
Don't know/not sure	9	24	24	16	26

Q22a-e. Thinking about when you get flavoured cannabis vape products from (a family member, a friend, a group of friends where it is shared, an acquaintance, someone else), as far as you know does this person get them from ...? Select all sources that apply. Base: Base size varies.

Overall, when the findings from these two questions (Q21 and Q22) are combined, a slim majority (51%) of those vaping flavoured cannabis products report procuring these products only through what they believe to be legal sources. A significant percentage of respondents – just over one-quarter (28%) – report purchasing these products via both legal and illegal sources, and just over one-in-ten (13%) are relying only on illegal sources.

SOURCING OF FLAVOURED CANNABIS VAPING PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1347	664	667	691	656	856	265	165	61
	%	%	%	%	%	%	%	%	%
Legal source only	51	42	60	43	59	46	60	61	59
Mix (legal and illegal sources)	28	38	17	31	24	35	17	10	8
Illegal source only	13	13	13	16	10	13	14	10	16
Don't know/not sure	9	7	10	10	7	6	9	18	16

C. Use of and Preferences for Flavoured Cannabis Vape Products

The most common flavours tried include: fruit (57%), candy (40%) and mint or menthol (34%). About one-quarter (25%) have tried dessert-flavoured cannabis vaping products, while about one-in-ten have tried flavours such as coffee (21%), soft drink (20%), tobacco (18%), alcoholic and energy drink flavoured products (17% each).

FLAVOURS TRIED

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1347	664	667	691	656	856	265	165	61
	%	%	%	%	%	%	%	%	%
Fruit (e.g. melon, citrus, berry)	57	48	66	55	59	52	63	73	56
Candy	40	35	44	43	37	39	43	35	48
Mint or menthol	34	32	36	35	33	35	31	39	23
Dessert	25	22	27	23	27	26	24	23	23
Coffee	21	26	16	24	17	25	15	6	20
Soft drinks	20	24	17	25	16	24	17	11	15
Tobacco	18	24	13	22	14	23	12	9	7
Alcoholic drinks	17	20	14	19	15	21	11	7	10
Energy drinks	17	23	11	20	13	21	9	5	11
Other	<1	-	<1	<1	-	<1	-	-	-
Not Stated	<1	-	<1	-	<1	-	-	-	2
None of the above	4	4	5	3	6	2	7	8	8

Q23. Which of the following flavours, if any, have you tried when it comes to vaping cannabis? Base: Those who always, very often, sometimes or rarely use flavoured cannabis products (at Q18)

All respondents, regardless of whether or not they had tried a flavoured cannabis vape product, were asked what flavours would most appeal to them. Patterns, in terms of preference, closely align with actual use as reported by those vaping flavoured cannabis products. Over half (55%) report a preference for fruit-flavoured cannabis vaping products. Other flavours noted include: candy (39%), mint or menthol (27%), and dessert-flavoured products (26%). Other flavours, such as soft drinks (21%), coffee (18%), energy drinks (17%), alcoholic drinks (15%), and tobacco (12%) are less appealing. Notably, fewer than one-in-ten (6%) say they would prefer cannabis flavour.

MOST APPEALING FLAVOURS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Fruit (e.g. melon, citrus, berry)	55	47	62	50	60	47	60	78	62
Candy	39	32	45	39	40	36	45	45	39

Mint or menthol	27	27	28	29	26	27	30	27	24
Dessert	26	24	28	23	29	25	32	28	22
Soft drinks	21	25	18	25	17	22	23	14	24
Coffee	18	22	14	20	16	22	13	7	18
Energy drinks	17	22	12	19	14	20	14	8	10
Alcoholic drinks	15	19	11	18	12	19	13	4	3
Tobacco	12	17	7	15	8	16	8	5	4
Other	<1	<1	-	-	<1	<1	-	-	-
None of the above, I prefer cannabis flavour	6	5	6	4	8	4	6	8	13

Q24. Regardless of whether you have vaped flavoured products or not, which of the following flavours, if any, are most appealing to you when it comes to vaping cannabis? Base: Those who always, very often, sometimes or rarely use flavoured cannabis products (at Q18)

D. Preference for Flavoured Nicotine versus Flavoured Cannabis Vape Products

The subset of respondents who indicated they use e-cigarettes (e.g., vape liquid with nicotine in it) and who also said that they vape flavoured cannabis products at least sometimes were asked about their preference for one product over the other and which product they had started using first.

Overwhelmingly, most (81%) agreed, either strongly (34%) or somewhat (46%), that they prefer the overall flavour and taste of flavoured cannabis vape products to flavoured nicotine vape products. Just one-in-five (19%) disagreed, either strongly (6%) or somewhat (14%).

AGREEMENT THAT RESPONDENT PREFERS FLAVOUR/TASTE OF FLAVOURED CANNABIS VAPE PRODUCT OVER FLAVOURED NICOTINE PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	662	344	311	387	275	472	114	53	23c
	%	%	%	%	%	%	%	%	%
NET AGREE	81	87	74	83	77	87	71	54	57
Strongly agree	34	35	34	33	37	38	28	24	17
Somewhat agree	46	53	40	50	41	49	42	30	39
Somewhat disagree	14	9	18	12	16	9	23	32	22
Strongly disagree	6	4	8	5	7	4	6	14	22
NET - DISAGREE	19	13	26	17	23	13	29	46	43

Q30. Thinking now about the flavours used in cannabis vapes in comparison to the flavours used in nicotine vapes, please indicate whether you agree or disagree with the following statement: I prefer the overall flavour and taste of flavoured cannabis vape products versus flavoured nicotine vape products. Base: Use e-Liquid with nicotine and vape flavoured cannabis products at least sometimes. Re-proportioned to exclude 'don't know' responses.

c Caution, small base size

E. Impact of Flavoured Products on Vaping Habits

Almost four-in-five (79%) of those who vape flavoured cannabis products say that the ability to get these products is important to their choice to continue vaping cannabis (48% say somewhat important; 31% say very important). The remainder say it is either not very important (16%) or not important at all (5%).

IMPORTANCE OF FLAVOURED PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1347	664	667	691	656	856	265	165	61
	%	%	%	%	%	%	%	%	%
NET – IMPORTANT	79	87	73	84	74	85	71	68	67
Very important	31	38	25	36	26	37	23	18	18
Somewhat important	48	49	48	48	48	48	48	50	49
Not very important	16	9	22	12	20	11	23	25	21
Not important at all	5	5	5	4	6	4	6	7	11
NET - NOT IMPORTANT	21	13	27	16	26	15	29	32	33

Q25. Overall, how important is the ability to get flavoured products in your choice to continue to vape cannabis? Base: Those who always, very often, sometimes or rarely use flavoured cannabis products (at Q18)

This view is fairly consistent across all sub-groups, although strongest among males (87% say it is important vs. 73% females), frequent vapers (85% vs. 67% infrequent vapers), and those aged 15 to 17 (84% vs. 74% of those aged 18-24).

When respondents were asked to imagine what they would do if flavoured cannabis products were no longer available for purchase from a legal retailer in Canada, just under half (44%) say they would continue to vape cannabis, while slightly more than one-third (36%) thought they would stop vaping cannabis, but would use other cannabis products. A smaller proportion felt they would stop vaping cannabis but use other flavoured vape products (17%). Very few (9%) imagined they would stop using cannabis altogether and would not use other vape products.

IMPACT IF FLAVOURED VAPE PRODUCTS WERE NO LONGER AVAILABLE FROM LEGAL SOURCES

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1347	664	667	691	656	856	265	165	61
	%	%	%	%	%	%	%	%	%
I would continue to vape cannabis	44	44	44	43	44	49	38	35	16
I would stop vaping cannabis, but would use other cannabis products	36	40	31	35	36	36	35	32	46
I would stop vaping cannabis, but would use other flavoured vape products	17	18	17	20	15	16	21	16	20
I would stop using cannabis altogether and would not use other vape products	9	5	13	9	9	5	11	21	23

Q26. If flavoured cannabis vape products were no longer available to purchase from a legal retailer in Canada, what impact would that have on you? Base: Those who always, very often, sometimes or rarely use flavoured cannabis products (at Q18)

There was little variability in responses across sub-groups with a few exceptions:

- The plurality of frequent vapers felt they would continue to vape cannabis (49%) while the plurality of infrequent vapers say they would stop vaping cannabis and use other cannabis products (46%).
- Among both males and females, the most common response was that they think they would continue to vape cannabis. However, a slightly higher percentage of females (13%) say they think they would stop using cannabis altogether and would not use other vape products, compared to males (5%).

Those who said they would continue to vape cannabis (44%) were then asked how they would do so if those products were not legally available. Responses indicate that a significant proportion (66%) think they would switch to vaping non-flavoured cannabis products and over two-in-five respondents (45%) say they would continue to vape flavoured cannabis products by purchasing them from an illegal source.

IMPACT IF RESTRICTIONS WERE PUT ON FLAVOURED CANNABIS VAPE PRODUCTS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	589	289	293	298	291	422	100	57	BTS
	%	%	%	%	%	%	%	%	%
I would vape non-flavoured cannabis products	66	61	70	63	69	61	76	81	90
I would continue vaping flavoured cannabis products by purchasing them from an illegal source	45	47	42	46	44	50	30	39	20
Other	1	-	1	-	1	0	1	2	0

Q27. Which of the following best describes how you would continue to vape cannabis, if restrictions were to be put on flavoured cannabis vape products? Base: Would continue to vape at Q26

BTS: Base size too small to report

By vaping status, frequent vapers were more likely to report that they would continue vaping flavoured cannabis products by purchasing them from an illegal source (50%), compared to a much smaller proportion of those who are regular (30%), occasional (39%) or infrequent vapers (20%).

Looking at this question by the frequency at which respondents use flavoured cannabis products, those who frequently (always or very often) use flavoured cannabis products are more likely to say they think they would continue to do so by purchasing them from an illegal source (54%) compared to those who rarely or never use flavoured products (26%).

It is not clear, however, what percentage of those who said they think they would purchase these products illegally, may have been doing so previously.

IMPACT IF RESTRICTIONS WERE PUT ON FLAVOURED CANNABIS VAPE PRODUCTS BY FREQUENCY OF USE OF FLAVOURED PRODUCTS

	TOTAL	NET Always / Very Often	Sometimes	NET Rarely/Never
	589	312	188	89
	%	%	%	%
I would vape non-flavoured cannabis products	66	55	73	87
I would continue vaping flavoured cannabis products by purchasing them from an illegal source	45	54	38	26
Other	1	<1	1	1

Q27. Which of the following best describes how you would continue to vape cannabis, if restrictions were to be put on flavoured cannabis vape products? Base: Would continue to vape at Q26

F. Indicators Denoting a Flavoured Cannabis Vaping Product

All survey respondents, including both those who have vaped flavoured cannabis products and those who have not, were asked several questions in order to better understand what aspects of the product or the packaging might lead them to assume it is flavoured. The product name or description (61%) is cited most frequently as a key indicator of flavouring. However, other popular choices included the strain name (55%), information found online about the product (55%), information provided by a family member or friend (54%) or by someone at the store (54%), the ingredient list (53%), the colour of the packaging (45%) and the terpene(s) contained in the product (34%).

INDICATORS THAT CANNABIS VAPING PRODUCT IS FLAVOURED

% Yes	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Product name or description	61	60	62	60	62	64	58	60	47
Strain name(s)	55	53	58	57	54	56	60	50	47
Information you found online	55	58	52	58	51	57	54	48	44
What you were told by a family member/friend	54	53	56	57	52	57	54	48	46
What you were told by someone at the store	54	55	53	51	57	58	51	47	40
Ingredient list	53	57	50	54	53	57	51	44	44
Colour of the packaging	45	49	42	48	42	48	39	40	41
Terpene(s) the product contained	34	40	28	36	31	41	27	19	18

Q28. Regardless of whether you have vaped flavoured cannabis products or not, have any of the following aspects ever made you think that the cannabis vaping product you were considering purchasing or using was flavoured? Base: Total sample

G. Associated Product Usage

All respondents were asked whether they had consumed cannabis in other ways and just under two-thirds (63%) responded in the affirmative.

CONSUME CANNABIS OTHER WAYS THAN VAPING?

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Yes	63	60	65	62	64	64	62	61	57
No	37	40	35	38	36	36	38	39	43

Q32. Apart from vaping cannabis, do you consume cannabis in other ways? Base: Total sample

Notably, more than half of all respondents, regardless of gender, age or vaping status, indicated that they have consumed other forms of cannabis in the last 12 months, in addition to vaping.

The most common alternate forms of cannabis used include edible products (64%) and dried flower/leaf (60%). About one-third indicated they use cannabis concentrates or extracts (32%) or cannabis oil (32%). Fewer said they use hashish (27%), cannabis beverages (25%) or topicals (22%).

OTHER CANNABIS PRODUCTS USED IN THE PAST 12 MONTHS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	946	427	500	462	484	584	181	126	55
	%	%	%	%	%	%	%	%	%
Cannabis edible products (e.g., cookies, candy)	64	53	72	56	71	57	75	75	67
Dried flower/leaf (e.g., bud)	60	53	65	50	70	55	66	75	58
Cannabis concentrate/extracts (e.g., shatter, wax, budder, butane honey oil, resin, rosin)	32	34	31	32	32	36	31	19	20
Cannabis oil for oral use (e.g., in dropper/syringe, softgel/capsules, spray bottle)	32	27	36	32	32	32	34	29	35
Hashish/hash/kief	27	27	27	24	29	28	30	19	24
Cannabis beverages(e.g., cola, tea, coffee)	25	29	21	28	21	29	21	16	9
Topicals (e.g., lotion, ointment, creams applied to skin)	22	20	23	20	23	24	24	10	15
Other	<1	<1	<1	<1	<1	1	-	-	-
None	<1	<1	-	-	<1	-	-	-	4

Q33. In the past 12 months, what other cannabis products have you used? Base: Consume cannabis in other ways

Note that for the following two questions only a subset of all respondents were asked these questions. Sample sizes may be small and should be interpreted with caution.

Those who say they had used hashish or cannabis concentrates in the last 12 months (59% of respondents overall) were then asked whether they had ever used a flavoured variety of these products. Responses as shown in the table below indicate that about half of those who had used shatter (56%) say they used a flavoured variety of this product at some point. Just over one-third had used flavoured varieties of hash

(37%), wax (35%) and budder (35%), while just under one-third had done so when using butane honey oil (31%), resin (31%) or rosin (29%), and about one-quarter had used a flavoured variety of kief (26%).

USE OF FLAVOURED PRODUCTS

% Yes	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	%	%	%	%	%	%	%	%	%
Shatter (n=302)	56	64	48	59	53	61	48	38	36
Hash/hashish (n=254)	37	47	31	46	30	46	20	25	23
Wax (n=302)	37	44	31	44	31	44	20	17	36
Budder (n=302)	35	39	33	38	33	43	20	8	36
Butane honey oil (BHO) (n=302)	31	42	22	41	22	36	21	8	27
Resin (n=302)	31	38	26	31	31	37	16	8	36
Rosin (n=302)	29	41	20	38	21	34	27	4	18
Kief (n=254)	26	30	24	31	23	29	20	29	15

Q34. Among the following cannabis products that you said you used in the past 12 months, have you ever used a flavoured variety of any of those products? Base: Have used hashish/kief or cannabis concentrate/extracts in past 12 months (Base sizes vary)

Those who had used a flavoured version of these products were then asked about the frequency with which they did so. Just over six-in-ten (61%) of those using flavoured hash said they did so always or very often when using this product. About half or more also said that they use flavoured versions always or very often when using shatter (57%), resin (56%), kief (55%), wax (54%), budder (54%), butane honey oil (52%) and rosin (48%).

FREQUENCY OF USING FLAVOURED VERSION OF PRODUCT

% Always/Very Often	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	%	%	%	%	%	%	%	%	%
Hash/hashish (n=95)	63	72	51	71	53	69	36	33	67
Shatter (n=169)	57	61	54	65	49	66	30	33	25
Resin (n=94)	56	67	43	62	51	61	44	-	25
Kief (n=67)	55	51	59	51	59	64	18	43	100
Wax (n=112)	54	61	47	63	44	57	45	25	50
Budder (n=107)	54	59	49	52	57	58	45	-	25
Butane honey oil (BHO) (n=94)	52	53	50	55	47	57	33	-	33
Rosin (n=89)	48	56	33	48	48	55	27	-	-

Q35. How often do you use a flavoured version versus an unflavoured version of the following product? Base: Have ever used a flavoured variety of product (Base sizes vary)

c Caution, small base size

Small sample sizes for each of the sub-groups do not permit further analysis across demographics or by vaping status.

VI. General Attitudes and Usage of Flavoured Products Segmentation

General Attitudes and Usage of Flavoured Products Segmentation

A limited series of attitudinal statements were included in the survey to ascertain respondents' views on cannabis use and cannabis vaping in general. The responses to these statements are reported in this section. Further analysis of attitudes was also undertaken, employing advanced analytical techniques and including responses to other questions pertaining to vaping status as well as the frequency of use of flavoured cannabis vaping products.

A. Attitudes towards Cannabis and Cannabis Vaping

Based on levels of agreement with the statements shown in the table below, the majority of respondents believe the use of cannabis is socially acceptable and that there are benefits associated with it. Many find using cannabis relaxing and view it as a social or recreational activity:

- Using cannabis helps me relax (86% somewhat/strongly agree);
- Using cannabis can be beneficial (85%);
- I use cannabis mostly for fun (81%);
- Using cannabis is socially acceptable (77%); and
- I use cannabis mostly with others in social settings (72%), although over two-thirds (68%) also agree that they prefer to use cannabis on their own.

Moreover, close to half (48%) agree that there should not be a minimum age for using cannabis products.

A large share of respondents also believe that cannabis use is safer for their health, as compared to smoking tobacco (81% agree) and, in particular, say that vaping cannabis is safer for one's health than smoking it (70%). Overall, the consensus view is that there are very few adverse effects from using cannabis (68% agree). At the same time, there is a reasonable level of awareness of the health impacts, specifically that cannabis use may result in dependence and addiction (74% agree) and that daily use can cause problems with memory, learning and decision-making (74%).

Many say that it is important to know the ingredients in the cannabis products they use (82% agree) and this is likely correlated with respondents' views regarding the relative safety associated with cannabis use.

AGREEMENT WITH STATEMENTS

% Strongly/Somewhat Agree	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Using cannabis helps me relax.	86	87	86	86	87	89	86	83	75
Using cannabis can be beneficial.	85	83	87	84	86	86	83	87	76
It's important to me to know the ingredients in the cannabis products I use.	82	82	83	81	84	85	77	81	78

Vaping cannabis is safer for your health than smoking tobacco.	81	83	81	81	82	85	81	73	67
I use cannabis mostly for fun.	81	84	77	81	80	81	79	86	70
Using cannabis is socially acceptable.	77	77	77	77	77	80	73	78	64
Using cannabis may result in dependence and addiction.	74	79	71	76	73	77	69	71	73
Using cannabis daily can cause problems with memory, learning and decision-making.	74	76	72	73	74	73	70	80	74
I use cannabis mostly with others in social settings.	72	77	67	73	71	73	67	75	68
Vaping cannabis is safer for your health than smoking cannabis.	70	77	65	74	67	78	70	52	41
I prefer to use cannabis on my own.	68	71	65	68	68	78	59	46	44
There are very few adverse effects from using cannabis.	68	72	63	71	65	74	62	55	49
I see advertisements for cannabis regularly.	55	62	49	60	51	64	43	38	47
I don't think there should be a minimum age for using cannabis products.	48	56	42	59	37	61	35	23	26

Q17. Please indicate whether you agree or disagree with each of the following statements. Base: Total sample

Agreement on the above-noted statements varies across demographic sub-groups, by region, as well as by vaping status and vaping habits. These differences are examined more closely in the following section.

B. Usage of Flavoured Product Segmentation

Undertaking a segmentation of respondents is helpful to understand more about the discrete sub-groups of cannabis vapers. Of particular interest in this survey was learning more about the sub-group of participants who use flavoured cannabis vape products frequently (always or almost always) when vaping. Profiling the segments in terms of their demographic characteristics, general attitudes and behaviours allows for more precision in the crafting and targeting of communications and educational materials.

Five questions were used to create a simple usage index – lower, medium, and higher usage – based on responses to the following questions:

- The two usage measures:
 - Q.6 – Frequency of vaping cannabis in past 12 months
 - Q.18 – Frequency of use of flavoured cannabis products when vaping cannabis
- Three attitudinal statements (using an agree-disagree scale):
 - Q.17a – Vaping cannabis is safer for your health than smoking cannabis
 - Q.17f – There are very few adverse effects from using cannabis
 - Q.17n – I don't think there should be a minimum age for using cannabis products

Points were assigned to every possible response for each of the above questions with a total score running from a low of 0.8 (e.g., responses associated with lower usage attitudes and behaviours) to a high of 4.0 (e.g., responses associated with higher usage attitudes and behaviours). All respondents were then assigned a point score and cluster analysis was run against this index. The resulting segmentation created

three ‘usage bands’ or segments which follow a normal distribution. The table below shows that those respondents classified as ‘higher usage’ represent one-third (33%) of respondents, while the plurality (44%) are classified as ‘medium usage’ and just under one-quarter (23%) are ‘lower usage.’ The mean score for the ‘higher usage’ group, at just over 3.4 is close to the upper limit of 4.0.

USAGE SEGMENTS

	Mean Score	% of Total
Lower Usage	1.9624	23%
Medium Usage	2.6986	44%
Higher Usage	3.4173	33%

A profile of the ‘higher usage’ segment is outlined below, based on cross tabular analysis. This segment is predominantly:

- Heterosexual (86%)
- Male (61%)
- Younger, aged 15-17 (61%)
- From households with annual incomes between \$60,000 to just under \$100,000 (46%)
- Residing in larger centres with populations of 500,000 or more (40%) and living in urban areas (63%). Notably, the ‘low risk’ segment is characterized by those more likely to be living in suburban areas (41%)

While the majority of those in the ‘higher usage’ segment reside with their parents or guardians, a significantly higher percentage (23%) in this group live with a boyfriend, girlfriend, spouse or partner compared to those classified as ‘medium usage’ (15%) or ‘lower usage’ (14%).

A higher proportion of Francophones can be found in the ‘higher usage’ group (21%), compared to those classified as ‘medium’ (16%) or ‘lower usage’ (8%).

In terms of attitudes and behaviours towards vaping, the ‘higher usage’ segment is more likely, relative to those in the ‘medium’ and ‘lower usage’ segments to say that:

- They first began vaping cannabis very early, at under 13 years of age (24% vs. 11% among those classified as ‘medium usage’ and 5% for the ‘lower usage’ segment).
- Vaping cannabis was the first cannabis product they started using (46% vs. 37% and 29%, respectively).

- Taste and smell (41% vs. 32% and 19%) and ability to get products with a flavour that is different from cannabis (40% vs. 20% and 12%) were influencing factors, along with product advertising (33% vs. 10% and 5%), seeing other friends using them (39% vs. 25% and 23%) as well as other family members (26% vs. 8% and 4%).
- One of the reasons they choose to vape cannabis versus using it in other ways is because it gets them more “high” than other cannabis products (33% vs. 26% and 12%).
- The product name (17% vs. 10% and 2%) and product packaging (15% vs. 10% and 4%) are important factors when selecting a vape product to purchase.
- It is ‘very or somewhat easy’ (94% vs. 84% and 71%) to obtain flavoured vape products.
- The ability to get flavoured products is ‘very important’ (44% vs. 27% and 14%) in their choice to continue vaping cannabis.

The table below shows the variation in levels of agreement with the battery of attitudinal statements across the three usage segments. For almost all statements, there is a higher level of agreement among the ‘higher usage’ group as compared to the other two risk segments (those items for which there is a statistically significant difference are highlighted in green).

The variance between the ‘higher usage’ and ‘medium usage’ segments is shown in parentheses. Leaving aside those statements that were used to create the usage segments (which have been bolded), there are marked variances on the following:

- Greater awareness of advertising for cannabis (32 points higher); and
- Use of cannabis primarily in social settings (20 points higher).

ATTITUDES BY RISK SEGMENTS

% Strongly/Somewhat Agree	TOTAL	Low Risk	Medium Risk	High Risk
	1501	351	665	485
	%			
Using cannabis helps me relax.	86	82	86	90
Using cannabis can be beneficial.	85	84	85	87
It's important to me to know the ingredients in the cannabis products I use.	82	81	81	85
Vaping cannabis is safer for your health than smoking tobacco.	81	70	81	90 (+9)
I use cannabis mostly for fun.	81	80	78	85
Using cannabis is socially acceptable.	77	73	74	85 (+11)
Using cannabis may result in dependence and addiction.	74	73	70	81 (+11)
Using cannabis daily can cause problems with memory, learning and decision-making.	74	79	67	80
I use cannabis mostly with others in social settings.	72	70	64	84 (+20)

Vaping cannabis is safer for your health than smoking cannabis.	70	45	66	95 (+29)
I prefer to use cannabis on my own.	68	47	68	82 (+14)
There are very few adverse effects from using cannabis.	68	48	57	96 (+39)
I see advertisements for cannabis regularly.	55	38	47	79 (+32)
I don't think there should be a minimum age for using cannabis products.	48	21	29	95 (+66)

Q17. Please indicate whether you agree or disagree with each of the following statements. Base: Total sample

VII. Sex- and Gender-Based Analysis Plus

Sex- and Gender-Based Analysis Plus

Sex- and gender-based analysis plus (SGBA+) is an analytical process used to assess how diverse groups of women, men, and gender diverse people may experience policies, programs and initiatives. A report conducted for Health Canada in 2019 found that although research on cannabis was rapidly expanding, research focused specifically on sex and gender differences in cannabis use was lacking.⁴ Given the findings of this report, one of the main objectives of this survey was to analyze the results in a manner that would allow Health Canada to explore whether there are any differences in the behaviours or attitudes expressed by participants depending on the intersection of gender and a variety of identity factors.

For the purposes of the SGBA+, gender identity is used as the primary variable for analysis rather than sex at birth. Although the results for these two questions closely track each other, self-reported gender identity is deemed to be more relevant for the purposes of this analysis. In addition to gender identity (Q.2), the other key variables which Health Canada sought to analyze the results based on are:

- Sexual orientation (Q.36)
- Age (Q.3b)
- Education (Q.38)
- Community size (Q.40)

A. Key Findings from the SGBA+

While the results presented thus far in the report highlight any differences in response rates which are unique for particular demographic groups (e.g. females, youth, those of a particular ethnicity), this section aims to analyze the data based on the intersection between these identity factors and gender. In particular, Health Canada sought to apply this kind of analysis to a few key groups of respondents, including:

- Frequent cannabis vapers (based on response at Q.6);
- Those who started vaping cannabis at an early age (based on response at Q.10);
- Those whose initial interest in cannabis vaping was driven, at least in part, by the ability to get products with a flavour that is different from cannabis (based on response at Q.12);
- Those who indicated that cannabis vapes were the first cannabis products they started using (based on response at Q.11);and
- Those who frequently ('always/very often') use flavoured cannabis products (based on response at Q.18).

A step-wise process was undertaken in order to produce this analysis. First, the data for each of the above-noted questions was filtered by gender identity (male/female/other). Given the very small group of those

⁴ <https://bccewh.bc.ca/wp-content/uploads/2019/11/SG-Cannabis-report-Nov-23.pdf>

who identified as another gender (n=22), this analysis focused only on those who identified as either female or male gender. The small base size for this third category limits the utility of any further analysis of this segment, and specifically the identification of statistically significant differences across key sub-groups of the population against the average for that segment as a whole.

Once the data was filtered according to gender identity, two sets of cross-tabulations were produced for each of the five key questions noted above – one set specific to those identifying as female and one for those identifying as male. The cross-tabulations included, as banner points, the following key identity variables: sexual orientation, age, education and community size. This format permits a closer examination of the intersection of gender identity with these other identity variables. Each variable was collapsed into 2-3 sub-groups to ensure a large enough sample size to perform a robust analysis of the data. Statistical testing (T-Test) was also applied to highlight any differences (at the 95% level) within sub-groups, as well as between sub-groups relative to the average for females and for males on each of the questions analysed. The results of this analysis are detailed below.

1. Frequent Cannabis Vapers

Overall, just under two-thirds (61%) of all respondents to the survey indicated they were ‘frequent’ cannabis vapers, based on their usage in the past 12 months. A smaller percentage of those identifying as female (47%) are classified as frequent vapers, relative to those identifying as male (75%).

The charts that follow show variations across the key identity variables examined for those who reported being frequent vapers. The tables in this and the following sections have been structured to highlight any statistical differences across sub-groups for each of those who identified as female and for those who identified as male (cells highlighted in **red** indicate a statistically significant difference from the average).

Among those who identify as female, certain sub-groups were more likely (as compared to the overall average) to report being frequent cannabis vapers, they include:

- The younger cohort, aged 15 to 17 (55%; 8 points above the average)
- Heterosexuals (51%; 4 points above the average)

FREQUENT CANNABIS VAPERS (IDENTIFY AS FEMALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=364	278	80	182	179	204	155	89	111	111
%	%	%	%	%	%	%	%	%	%
47	51	39	55	41	46	49	49	52	48

A higher proportion of those who identified as male are classified as frequent cannabis vapers (75%). However, closer examination of differences among sub-groups for those identifying as male reveals a

pattern which is similar to that found among those who identify as female. The subgroups which are more likely (as compared to the average) to be frequent cannabis vapers are:

- The younger cohort, aged 15 to 17 (81%; 6 points above the average)
- Heterosexuals (76%; 1 point above the average)

FREQUENT CANNABIS VAPERS (IDENTIFY AS MALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=538	497	30	334	204	361	172	100	212	203
%	%	%	%	%	%	%	%	%	%
75	76	64	81	67	77	72	75	79	74

2. Early Initiation to Cannabis Vaping

Relatively few survey respondents, overall, reported that they began vaping cannabis under the age of 13 years (14%).

An examination through the filter of gender identity shows that just over one-in-ten (13%) of those identifying as female started vaping cannabis prior to age 13. While there were no statistically significant differences by sexual orientation, the data reveals a higher proportion of those identifying as female who began vaping cannabis at a very young age among:

- The younger age group, aged 15 to 17 (20%; 7 points above the average)
- Those living in small (20%; 7 points above the average) and medium-sized (16%; 3 points above the average) communities
- Those attending, having some or having completed post-secondary education (17%; 4 points above the average)

STARTED VAPING CANNABIS AT AGE 13, OR EARLIER (IDENTIFY AS FEMALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=97	67	29	67	30	42	54	36	34	19
%	%	%	%	%	%	%	%	%	%
13	12	14	20	7	9	17	20	16	8

A similar percentage of those identifying as male, compared to those identifying as female, began vaping cannabis when they were under the age of 13 (16% vs. 13%, respectively). Within this group, the following

sub-groups indicated a higher than average likelihood of starting to vape cannabis when they were less than 13 years of age:

- Those residing in smaller communities of less than 40,000 residents (25%; 9 points above the average)
- The younger group, aged 15 to 17 (22%; 6 points above the average)
- Those residing in mid-size communities of 50,000 to 500,000 residents (19%; 3 points above the average)

STARTED VAPING CANNABIS AT 13 YEARS OR YOUNGER ONLY (IDENTIFY AS MALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=114	98	9	90	24	71	41	34	50	30
%	%	%	%	%	%	%	%	%	%
16	15	19	22	8	15	17	25	19	11

3. Flavour, Taste and Smell a Key Factor in Initial Interest in Cannabis Vaping

Another group of interest in this survey were those who cited one or both of the following as somewhat or very important factors which influenced their initial interest in cannabis vaping: the ability to get products with a flavour that is different from cannabis, or the taste and smell of the product. These factors were cited as important (somewhat or very) by a large proportion of cannabis vapers overall – 65% indicated the ability to get products with a different flavour from cannabis; 72% cited taste and smell.

Over three-quarters (78%) of those who identify as female cited one or both of these as factors in their initial interest in cannabis vaping. This factor was cited more often, compared to the average, by heterosexuals, who identified as female (82%; 4 points above the average).

THOSE CITING ONE OR BOTH OF ‘ABILITY TO GET PRODUCTS WITH A FLAVOUR THAT IS DIFFERENT FROM CANNABIS/TASTE AND SMELL’ AS VERY/SOMEWHAT IMPORTANT FACTOR INFLUENCING INITIAL INTEREST IN CANNABIS VAPING (IDENTIFY AS FEMALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=599	445	148	257	342	350	247	141	172	190
%	%	%	%	%	%	%	%	%	%
78	82	72	78	78	79	79	78	81	82

An even higher proportion of those identifying as male cited either or both of these as factors influencing their initial interest in cannabis vaping (87%, compared to 78% among those who identified as female). Notably, those in the younger age cohort, aged 15 to 17 years old stand out as being more influenced by one or both of these factors (90%; 3 points above the average).

THOSE CITING ONE OR BOTH OF ‘ABILITY TO GET PRODUCTS WITH A FLAVOUR THAT IS DIFFERENT FROM CANNABIS/TASTE AND SMELL’ AS VERY/SOMEWHAT IMPORTANT FACTOR INFLUENCING INITIAL INTEREST IN CANNABIS VAPING (IDENTIFY AS MALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=624	574	36	371	253	413	204	116	242	239
%	%	%	%	%	%	%	%	%	%
87	88	77	90	84	88	85	87	90	88

4. Introduction to Cannabis Products Via Vaping

Over one-third (38%) of survey respondents reported that cannabis vaping was the first way in which they were introduced to cannabis products.

One-in-three (34%) of those identifying as female indicated that initially began using cannabis by vaping. This percentage is higher among:

- Females, aged 15 to 17 (45%; 11 points above the average)
- Heterosexuals identifying as female (39%; 5 points above the average)

CANNABIS VAPING PRODUCTS WERE THE FIRST CANNABIS PRODUCTS USED (IDENTIFY AS FEMALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=262	212	47	147	115	152	107	6	73	86
%	%	%	%	%	%	%	%	%	%
34	39	23	45	27	34	34	37	34	37

A larger share of those identifying as male (42%) reported vaping cannabis as the first cannabis products they had used. There is some variability within this group by sexual orientation, age, education, community size and ethnicity, with the following groups reporting a greater likelihood of this being the case:

- Youth and young adults residing in mid-size communities (48%; 6 points above the average)
- Those with at least some post-secondary education (48%; 6 points above the average)

- The younger age group, aged 15 to 17 (46%; 4 points above the average)
- Heterosexuals (44%; 2 points above the average)

CANNABIS VAPING PRODUCTS WERE THE FIRST CANNABIS PRODUCTS USED (IDENTIFY AS MALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=303	283	14	189	114	187	114	51	129	112
%	%	%	%	%	%	%	%	%	%
42	44	30	46	38	40	48	38	48	41

5. Frequent Use of Flavoured Cannabis Products

Another group of interest included those who frequently vape flavoured cannabis products – those that reported they ‘always’ or ‘very often’ vape flavoured cannabis products when vaping cannabis. This group comprises half (51%) of all cannabis vapers surveyed.

For the group of respondents who identified as female, about two-in-five (42%) frequently use flavoured cannabis products. And, within this group, those more likely to frequently vape flavoured cannabis products includes:

- Younger cannabis vapers, aged 15 to 17 (50%; 8 points above the average)
- Heterosexuals (45%; 3 points above the average)

FREQUENT USERS OF FLAVOURED CANNABIS PRODUCTS (IDENTIFY AS FEMALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=324	244	78	166	158	189	135	77	97	105
%	%	%	%	%	%	%	%	%	%
42	45	38	50	36	43	43	43	46	45

Use of flavoured cannabis products is much higher among those identifying as male, compared to those who identify as female (61% versus 42%, respectively). And, within the group of those identifying as male, higher proportions of the following sub-groups report doing so:

- Youth and young adults residing in mid-sized centres (67%; 6 points above the average)
- The younger age cohort of 15 to 17 year olds (64%; 5 points above the average)

FREQUENT USERS OF FLAVOURED CANNABIS PRODUCTS (IDENTIFY AS MALE)

TOTAL	Sexual Orientation		Age		Education		Community Size		
	Hetero-sexual	Homosexual/Bisexual/Other	15-17	18-24	High School or Less	Post-Secondary	<50K	50K-<500K	500K+
n=437	403	21	265	172	286	147	72	180	169
%	%	%	%	%	%	%	%	%	%
61	62	45	64	57	61	62	54	67	62

B. Conclusions

The SGBA+ highlights a number of key groups who are more likely to exhibit behaviours that were of most interest to this research. At a very broad level:

- Those who identify as male are more likely than those identifying as female to exhibit almost all of the following behaviours, including frequent use of cannabis vape products, regular use of flavoured cannabis vape products, influenced by flavours other than cannabis as well as taste and smell of the product, and a somewhat greater propensity to be initiated into cannabis use via vaping.
- The younger cohort, aged 15 to 17, regardless of whether they identify as male or female, exhibits similar behaviours across the board, based on the analysis detailed above.
- Those identifying as both female and heterosexual are more likely than females, overall, to exhibit almost all of the above noted behaviours, including frequent use of cannabis vape products, regular use of flavoured cannabis vape products, influenced by flavours other than cannabis as well as taste and smell of the product, and a somewhat greater propensity to be initiated into cannabis use via vaping.

Some variability by community size and educational attainment is evident on some of the questions of interest, but there is no consistent pattern.

VIII. Methodology

Methodology

A. Sample Design

Respondents were profiled, selected and further screened through the use of a nationally representative online panel. Due to the difficulty of reaching this target group, the sample was sourced and aggregated from multiple online panels.

The data was collected using a non-probability sampling method, targeting youth and young adults aged 15-24 years old. Hard quotas were set by the age of respondent to ensure an even split between youth (aged 15-17) and young adults (aged 18-24). Parental consent was sought for those under age 16, as further explained in Section E below.

N=1500		
Age	%	Disproportionate
15-17	50	750
18-24	50	750

Although research conducted via online panels does not follow the protocols for a random, representative survey (and as such will not have a margin of error applied to the results), we monitored soft quotas by gender, region and language to ensure a good representation in accordance with the overall 2016 Statistics Canada Census data. As this is not a survey of the general population, the final sample does not necessarily reflect Census data by gender, age and region. Rather, it reflects the distribution of youth and young adults who have vaped cannabis as well as the distribution of this target audience within the panel, by gender and region.

Respondents from all regions of the country participated in the study, however it should be noted that the results reflect the make-up of the panel and targeting of panellist by age, and may not necessarily accurately reflect the distribution of cannabis vapers by province. Nevertheless, the large final sample size overall, and for each of the age cohorts, offers a robust data set for sub-level analysis.

N=1500			
Gender	%	Proportionate	
Male	50	750	
Female	50	750	
Region	%	Proportionate	Disproportionate
Atlantic	7	105	100
Quebec	23	345	350
Ontario	38	570	500

Manitoba & Saskatchewan	7	45/60	100/100
Alberta	11	165	150
British Columbia/North	14	210	200
Language	%	Proportionate	
English	85	1275	
French	15	225	

As non-probabilistic online panels were used for this study, a margin of error does not apply. The results of the survey are only reflective of this target audience.

1. Additional Information on the Online Panels

The panel partners used for this study have extensive experience managing panels for online research across Canada. The panels are recruited through various online portals to ensure demographically balanced respondents. Partners manage all aspects of the panel, from recruitment, registration, and removal of those who would like to retire from the panel, to communicating regularly with panel members and administering surveys to them. They also enforce strict guidelines and ensure each panelist only participates in research surveys no more than twice a month. However, to be a respondent to this type of Government of Canada survey, panel members may not have participated in any Government of Canada survey as a member of this panel, or a survey on similar subject matter, within the past 30 days.

Panel Practices

The panels accessed by TSC from partners have been carefully built in order to ensure that they are responsive, reliable and representative – the foundations for quality research.

The panel is:

- **Multi-sourced** - Recruited by email marketing with over 100 diverse online partners (avoiding the bias associated with limited source recruitment).
- **Research only** - No marketing of any sort (which can systematically bias sample). We only do online fieldwork.
- **Incentivized** - At a low level for participation. This is respectful of a panelist's time spent; ensuring thoughtful, considered responses are coupled with healthy response rates.
- **Carefully managed** – Panelists are not over contacted ensuring panel membership is a positive experience.
- **Frequently refreshed** – Panelist's are not over used ensuring sufficient fresh sample for ongoing tracking work.

Panel Rules

In order to ensure a positive membership experience for panelists, coupled with panel integrity for researchers, our panel partners apply a series of survey participation “rules”. They hold the entire participation history of every panelist. This, coupled with very flexible panel management software, enables them to also be able to apply rules for specific client surveys.

Panel rules include:

- Panelists can only be selected for one open survey at a time
- Restrictions on total number of surveys taken
- Panelists cannot complete a survey on the same subject within a 3-month period

Panel Recruitment/Refresh Practices

Recruiting campaigns are run across a broad range of recruiting sources to ensure an extensive reach across the online Canadian population. Media locations are continuously re-balanced to ensure key panel demographics are representative of the Canadian population. Importantly, the panel is over-weighted with younger panelists to compensate for the lower responsiveness of this demographic.

Panelists provide opt-in consent to participate in periodic research on a wide range of topics. When registering, panelists provide the following background information:

- Gender
- Education (highest level)
- Month and year of birth
- Current employment status
- Marital status
- Industry in which panelist works
- Parent or guardian
- Nearest major city
- # of people in the household
- Forward sortation area (FSA) – first three characters of Canadian postal code
- Gender and year of birth of
- Annual household income before taxes
- Other members of household

Additional profiling information is collected from panelists over time to enhance the ability to precisely target low incidence groups. Using panelists’ background information, samples for individual studies are drawn proportionately to census data for province, age and gender to ensure representativeness. As a further measure, quotas are also set and enforced within the online survey program.

B. Pre-test

Following the Government of Canada’s Standards for Public Opinion Research for Online Surveys, pre-testing was undertaken from October 8-13, 2020, prior to launching the survey. The survey was pre-tested among n=22 respondents in a soft launch (14 in English and 8 in French) prior to running live.

In terms of survey length, the shortest interview was 8 minutes, while the longest was 23 minutes, with the average being about 13 minutes.

Results from the pre-test were provided to Health Canada and did result some additional changes to the survey in order to specifically help improve the pre-test response and incidence rates. Given the low incidence of this target group, the 22 pre-test completes were retained as part of the final data set.

1. Aspects of the Survey Experience

Pre-test respondents were asked to provide feedback on various aspects of the experience completing the questionnaire, including overall ease of completion, comprehension, length and general interest in the topic. Overall, the feedback from respondents who completed the survey was quite positive. The vast majority respondents surveyed agreed, either somewhat or strongly, that:

- The survey was easy to complete (95%);
- The questions asked were straightforward and easy to understand (95%);
- The length of the survey was reasonable (91%); and
- The topic was interesting (91%).

2. Response Rates and Incidence Rates

Based on the pre-test, the initial response rate was low (~1%), with only 22 completes received from a total of 3,400 invitations sent. Of the 22 completed pre-test surveys, 6 respondents were between the ages of 15 and 17, and 5 of which were redirects from parents, suggesting that this group in particular was going to be more difficult to reach.

The incidence rate for the survey was also lower than expected at 11%, versus the original 20% estimate, based on a literature review of studies undertaken more generally on cannabis and nicotine use. Upon closer review of the pre-test data, it was clear that there was a significant drop-off/termination rate at Q.5.

Based on discussions with our panel providers, a number of factors could have contributed to these low rates, including:

- Pre-testing over Thanksgiving holiday weekend while students may be away from their computers, gone home or parents/students may have been busy or otherwise occupied – over a longer duration in field we would expect to see some uptick.
- Given that this study is on an ‘illegal’ activity for 15-17 year olds, parents with children in this age range may be reluctant to permit their child to participate. Similarly, respondents 15-17 years of age, may feel hesitant to disclose information on their cannabis vaping use, especially if they have been asked to complete this survey by their parents.

3. Recommendations

The recommendations provided to Health Canada were intended to ensure that sample maturation was closely managed and to maximize response rates, particularly if the incidence rate did not increase in field. The following recommendations were implemented following the pre-test:

- The language in the introduction and the pathway into the survey was softened to broaden the scope away strictly focusing on cannabis vaping, but more to reflect collecting information on the use of both cannabis and non-cannabis products.
- The consent information to parents of 15 year olds was revised to reflect similar changes to those mentioned above.

C. Fieldwork and Length of Survey

Following the pre-test, the fieldwork for this survey was conducted from October 19th to November 3rd, 2020. On average, the survey took 15 minutes to complete but ran anywhere between 8 and 39 minutes in length.

D. Incidence, Response and Completion Rates

In total 1,501 respondents completed the survey, with an incidence rate of 20%.

The overall response rate was 10%. A total of 91,704 invitations were sent, of which 9,082 respondents started the survey.

The overall completion rate achieved across all sample sources was 92 percent.

The following outlines the calculations:

Response Rate =	$\frac{\text{Interviews Started}}{\text{Respondents E-mailed}}$	Completion Rate =	$\frac{\text{Completes + Screen outs + Quota fulls}}{\text{Total \# of Click Ins}}$
10% =	$\frac{9,082}{91,704}$	92% =	$\frac{9,188}{9,942}$

E. Parental Consent

As per the Government of Canada Standards for Conducting Public Opinion Research for Online Surveys, parental consent was obtained for those under the age of 16 prior to participating in the survey.

Parents and/or guardians of 15 year olds were specifically targeted through panel profile data. This group of parents were provided with the following information in the initial email invitation to ensure they had a full understanding of the questions that would be asked and how their child's data would be used.

- **Why is this study being done?** Health Canada regularly conducts research among youth and young adults to gauge attitudes and behaviours related to smoking, alcohol and drugs, including cannabis

products. Surveys, like this one, provide data that is critical in assessing the effectiveness of control measures which have been put in place to protect young people from inducements to using these types of products.

- **What will your child be asked to do?** Your child will be asked to fill out a 12-15-minute survey. Responses from the survey will provide Health Canada with timely and reliable data on young people’s awareness of, views and usage trends regarding these products. Your child’s participation is voluntary. All of their answers will remain anonymous and completely confidential. The Strategic Counsel, which has been engaged by Health Canada to undertake this survey, will aggregate your child’s responses with those of others to the survey. The final report to Health Canada will be based on this aggregate data set.
- **How will the data collected be used?** The data collected will support the ongoing review and management of government policies and regulations. The final report will be made available to the public through Library and Archives Canada <http://www.bac-lac.gc.ca/>. You may download a copy at no cost.

Once parents/guardians entered the survey (via link in the email invitation they received) they were taken through a series of screener questions (Q.A-Q.D), whereby they were asked to provide direct consent for their 15 year old before the child could complete the survey.

F. Indices and New Variables

As part of the analytical approach for this study, The Strategic Counsel produced a set of indices and new variables to that are used as analytical tools throughout the report.

Q.6 – Frequency of Vaping

- Frequent Vaper– checks 1-2, 3-4, 5-6 days/week
- Regular Vaper – checks 1, 2-3 days/month
- Occasional vaper – checks less than 1 day/month
- Infrequent vaper – has not vaped in past 12 months

NEW VAR 1: Reason for Cannabis Use - Q.8 and Q.9

- Non-Medical: ‘No’ at Q.8 OR ‘Yes’ at Q.8 and ‘usually vape cannabis for non-medical purposes’ at Q.9
- Medical: ‘Yes’ at Q.8 and ‘usually vape cannabis for medical purposes’ at Q.9
- Both: ‘Yes’ at Q.8 and ‘vape cannabis for both purposes equally’ at Q.9

NEW VAR 2: Sourcing of Flavoured Cannabis Vape Products – Q.21 and Q.22

- Legal
- Illegal
- Mix
- Don’t know

G. Study Limitations

Readers should keep in mind that this study was not intended to obtain an incidence of cannabis vaping among Canadians aged 15 to 24. Rather, it aimed to target those who have vaped cannabis (e.g., used cannabis vape pens, pods or vape cartridges) as well as the subset who have vaped flavoured cannabis products. As such, a series of screening questions were included at the front-end of the survey to identify cannabis vapers. Once their status was confirmed, these respondents were then asked to respond to a series of questions on their usage, attitudes and behaviours. Although participants who vape cannabis daily or weekly were not explicitly sought out for participation in this study, it was the case that a large segment among the final sample could be classified as ‘frequent’ cannabis vapers (61%) and about half (51%) are also regular vapers of flavoured cannabis products (e.g., use these products ‘always/very often’ when vaping cannabis). This robust sample of frequent users is helpful for analytical purposes, specifically in terms of examining the data for any additional insights related to ‘higher risk’ behaviours.

Best practices in survey design, specifically surveys aimed at this particular age cohort, were employed in crafting the questionnaire, including: simplifying concepts and the language level, using terminology which would be familiar to respondents, providing examples as relevant to enhance consistency in interpretation, and minimizing the overall length of the survey. Both formal (quantitative) and informal (qualitative) pre-tests of the survey were undertaken with the target audience prior to full fielding to assess clarity, comprehension, ease of completion and survey length. Adjustments were made based on the findings from pre-tests.

Survey research is a cost-effective and reliable means of gauging attitudes and behaviours at a specific point in time among the general public and specific target audiences. However, there are certain limitations in this approach which could be a factor of the methodology and questionnaire design, or related to the target audience itself. While a number of steps have been taken to mitigate any deficiencies in the approach taken here, it is nevertheless important that the limitations of the current study be fully explained. Some limitations of the data exist:

1. Online Methodology

Given the sensitive nature of the topic, it was determined that an online rather than telephone methodology would be most appropriate, to avoid any social desirability response bias which tends to occur more often in interviewer-led telephone surveys. Moreover, given the complexity of some of the questions, and the need to provide further clarifying or explanatory information, it was felt that an online methodology would significantly reduce the potential for overall response bias. This decision was made based on existing evidence which shows that web-based or online surveys tend to provide more truthful results compared to telephone, particularly for questions related to behaviours which, although in this case are legal for those above a certain age, may not be viewed as entirely socially acceptable. Nevertheless, it would be challenging to completely eliminate bias altogether. And, it is possible that some respondents may have over- or under-stated their usage of cannabis vape products and other associated products.

Online surveys are by nature opt-in methodologies, meaning that the sampling method is non-probabilistic and has not been designed to be random nor representative of the target audience. Not all members of the target audience had the same chance of participating in this study. The sample draws only from those

who are registered as panelists and received an invitation to the survey. As such, it cannot be said that it reflects the actual distribution of Canadians aged 15 to 24 who vape cannabis products, by usage or other demographic characteristics.

2. Composition of the Final Sample

The study aimed to achieve a final sample of n=1500 cannabis vapers, split equally across the two age cohorts (15-17 and 18-24). The low incidence of the target population precluded setting any additional hard quotas by gender, province or region.

As such, the composition of the final sample overall and within the two age cohorts, may not be reflective of the actual distribution of cannabis vapers by gender or age across Canada. In the final sample, the younger cohort skews male (58% male; 43% female) while the older cohort skews female (42% male; 57% female). The data also shows that a higher proportion of the younger cohort (15-17) and males are 'frequent' vapers, reflecting at least to some degree the collinearity between gender and age in the final sample. Weighting the final dataset (n=1501) by either or both of age and gender may address issues of collinearity, but accurate information regarding the incidence of cannabis vaping within these cohorts, by gender, is lacking.

Similarly, it cannot be determined from this dataset as to whether the final sample is reflective of the distribution of cannabis vapers, within this target audience, by region. Those residing in Ontario represent a plurality of the sample, followed by Quebec, British Columbia, and Alberta. Relatively few among the final sample reside in the Atlantic region, Manitoba or Saskatchewan. Again, without further data specific to the incidence of cannabis vaping among those aged 15 to 24, by province, it is difficult to know how closely the final sample reflects the actual distribution for this target audience.

The above-noted limitations are more pertinent to a study which had as its main objective to ascertain incidence levels of specific behaviours or use, which is not the case here. The robust samples achieved for both age cohorts, across genders and by region do permit sub-level analysis which yields valid and useful insights on key demographic and regional variations, although some collinearity between age and gender is evident.

3. The Target Audience

Finally, all data were self-reported and therefore subject to related biases. Therefore, there may be some limitations of the data associated with the age of the target audience, in particular those aged 15 to 17 who are unable to purchase legal cannabis in Canada (note that in most provinces the legal age to purchase is 19, although it is 18 in Alberta and 21 in Quebec). It is possible that usage and frequency measures are conservative among those who are under the legal age. Younger respondents may also have been less willing to admit illegal activity and/or unaware that what they are doing (e.g., ordering from an online store) is illegal.

While all attempts were made to employ plain language and to provide clarifying examples, it is possible that some terms were unfamiliar to respondents. This would typically result in a high level of those responding 'don't know' at each question, which was generally not the case.

IX. Appendix: Respondent Profile

Respondent Profile

The information below offers a snapshot of the youth and young adults who participated in the survey in terms of standard demographics including the participant’s sex at birth, gender, sexual orientation, region, language, ethnicity, education, household income, living situation and community makeup.

A. Sex and Gender

The final sample comprised a relatively equal split of those whose sex at birth was male (48%) or female (52%).

SEX AT BIRTH

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Male	48	98	2	56	40	60	36	24	22
Female	52	2	98	44	60	40	64	75	78
Prefer not to answer	<1	-	<1	<1	-	-	<1	1	-

Q1. Please indicate your sex assigned at birth. Base: Total sample

The gender that participants identified with tracked closely with their sex at birth. 48% of respondents identified as male gender (48%) and another 51% as female gender. About 1% of the sample identified with another gender.

GENDER IDENTITY

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Male gender	48	100	-	55	40	59	36	24	24
Female gender	51	-	100	44	58	40	62	74	73
Another gender	1	-	-	1	2	1	2	2	3

Q2. What is your gender identity? Base: Total sample

The 15-17 age group skewed slightly male (55% male; 44% female; 1% other gender), while the reverse was the case for the 18-24 age group (40% male; 58% female; 2% other gender).

B. Sexual Orientation

The vast majority (80%) of respondents identified as heterosexual. Another 17% of respondents identified as either bisexual (13%), homosexual (3%) or pansexual (1%).

SEXUAL ORIENTATION

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Heterosexual (straight)	80	91	71	82	78	85	73	73	62
Homosexual (lesbian or gay)	3	2	5	3	3	2	4	2	10
Bisexual	13	5	21	11	15	10	15	22	25
Pansexual	1	<1	1	1	1	1	2	<1	1
Other	<1	<1	<1	<1	1	<1	<1	1	1
Prefer not to answer	2	2	2	3	1	2	5	1	1

Q36. What is your sexual orientation? Base: Total sample

C. Age of Participant

By design, the overall sample was split evenly between two age groups – 15-17 years old and 18-24 years old. Throughout the report, the younger cohort is referred to as ‘youth’ and the older cohort as ‘young adults’.

AGE

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
15-17	50	58	43	100	-	57	47	33	31
18-24	50	42	57	-	100	43	53	67	69

Q3b. Age group. Base: Total sample

D. Region

Regions were generally reflective of the national distribution, with Ontario (37%) and Quebec (19%) residents comprising over half of all respondents and the next largest proportion of respondents residing in Western Canada – either in British Columbia and the territories (14%), Alberta (11%) or the Prairies (11%).

It should be noted that the results reflect the make-up of the panel and targeting of panelist by age, and may not necessarily accurately reflect the distribution of cannabis vapers by province.

REGION

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Atlantic	7	5	9	6	8	6	9	6	9
Quebec	19	23	15	26	13	22	11	20	14
Ontario	37	32	42	34	40	34	45	42	38
Manitoba	7	7	5	4	9	6	8	7	5
Saskatchewan	4	6	3	6	3	6	1	2	1
Alberta	11	10	12	11	12	11	11	14	11
BC/North	14	16	13	13	15	15	14	9	21

Q4. In which province or territory do you currently reside? Base: Total sample

It is important to note that, across the country, provinces and territories have different restrictions on the sale of cannabis vaping products. Newfoundland and Labrador, Nova Scotia, Prince Edward Island and Quebec all have some kind of restrictions, while the remaining provinces do not. Throughout the report, we have noted where there are significant differences in respondents answers based on whether they reside in a province/territory with or without restrictions. This will allow us to better understand how these restrictions have an impact on key questions such as the frequency of use of cannabis overall, of flavoured cannabis and how these products are sourced.

PROVINCES/TERRITORIES WITH/WITHOUT RESTRICTIONS

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Restrictions (NL,NS,PEI,QC)	23	27	20	29	17	26	15	22	23
No restrictions	77	73	80	71	83	74	85	78	77

Q4. In which province or territory do you currently reside? Base: Total sample

E. Language

The language in which the survey was completed was monitored throughout field to ensure the final sample was reflective of Anglophones and Francophones across the country (85% and 15% respectively, Statistics Canada 2016 Census). Overall, a final sample of 84% Anglophones and 16% Francophones was achieved.

LANGUAGE

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97

	%	%	%	%	%	%	%	%	%
English	84	81	88	84	85	82	85	92	95
French	16	19	12	16	15	18	15	8	5

Q43. Language in which survey was completed. Base: Total sample

F. Ethnicity

The plurality of respondents identified as European (45%), of either Western (34%) or Eastern (11%) European ancestry. Another 25% identified as ‘Canadian Indigenous’ – given that Indigenous peoples are approximately 4.9% of the Canadian population (Statistics Canada 2016 Census), this suggests that some young people believed this response category to include those who identify as ‘Canadian’ and/or ‘Indigenous’. As such, caution should be taken when interpreting this data to mean only ‘Indigenous’. Other ethnicities that made up the sample, cited with less frequency, included East Asian (7%), African (6%), Canadian (upcoded) (6%) and Southeast Asian (5%).

ETHNICITY

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Western European (UK, Spain, Portugal, France, Germany, Austria, Switzerland, etc.)	34	31	36	31	37	30	36	43	39
Canadian Indigenous (First Nations, Métis, Inuit (Inuk), etc.)	25	33	17	30	20	34	7	9	22
Eastern European (Poland, Hungary, Romania, Ukraine, Russia, etc.)	11	11	10	12	10	10	16	9	8
East Asian (China, Korea, Japan, Taiwan, etc.)	7	6	8	7	7	5	11	7	12
African (Nigeria, Ethiopia, Tanzania, etc.)	6	8	4	8	4	7	7	1	3
Canadian	6	5	6	5	6	5	6	7	3
Southeast Asian (Thailand, Vietnam, Singapore, the Philippines, Indonesia, Cambodia, etc.)	5	4	6	3	7	5	4	6	11
South Asian (India, Afghanistan, Pakistan, Sri Lanka, etc.)	4	4	4	3	6	5	4	4	4
Middle Eastern (Israel, Syria, Jordan, Egypt, Iran, Iraq, etc.)	3	4	3	4	3	3	4	3	3
West Indian (Caribbean)	3	2	4	4	2	3	2	1	9
South/Central/Latin American (Argentina, Mexico, Brazil, etc.)	3	2	3	3	3	1	3	6	5
White/Caucasian	1	1	2	1	1	1	3	1	1
North American	<1	<1	<1	<1	1	<1	1	-	-
Other European	<1	<1	1	<1	1	<1	-	1	1
Other	<1	1	<1	<1	<1	<1	<1	<1	-
Prefer not to answer	5	3	8	4	7	3	9	12	6

Q37. Which of the following ethnicity(ies) do you identify as ...? Base: Total sample

G. Education

Given the age range of the respondents, it was not surprising that the highest educational attainment most respondents had achieved to date was either ‘some high school’ (30%) or a ‘high school diploma or equivalent’ (29%).

EDUCATION

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Grade 8 or less	2	4	1	4	1	3	3	-	1
Some high school	30	33	27	51	10	32	28	25	27
High school diploma or equivalent	29	29	30	22	37	28	30	31	36
Registered Apprenticeship/other trades certificate, diploma	4	4	3	4	3	5	2	<1	5
College, CEGEP, or other non-university certificate or diploma	13	10	15	6	19	12	13	16	9
University certificate or diploma below Bachelor's level	6	6	7	4	9	6	6	6	6
Bachelor's degree	10	9	11	5	16	8	15	17	6
Post graduate degree above bachelor's level	4	4	5	3	5	5	2	3	7
Prefer not to answer	1	1	1	1	1	1	1	<1	2

Q38. What is the highest level of formal education that you have completed? Base: Total sample

H. Household Income

There was a good cross section of household incomes included in the final sample.

Note that during early pre-tests of the questionnaire, young people had difficulty stating their household income with accuracy, as they were either unaware of their parents’ income or it was not discussed within their household. Given this, results by household income throughout the survey should be interpreted with caution.

HOUSEHOLD INCOME

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Under \$20,000	11	8	14	8	15	9	13	15	26
\$20,000 to just under \$40,000	12	9	15	8	15	9	14	19	14
\$40,000 to just under \$60,000	16	17	15	16	16	17	17	9	14
\$60,000 to just under \$80,000	15	18	11	17	13	18	11	8	3
\$80,000 to just under \$100,000	18	23	14	20	17	22	14	12	10
\$100,000 to just under \$150,000	12	13	11	14	9	12	14	9	6

\$150,000 and above	5	6	5	4	7	5	5	8	5
Don't know/Prefer not to answer	11	7	15	13	9	8	11	20	21

Q39. Which of the following categories best describes your total household income in 2019? That is, the total income of all persons in your household combined, before taxes? Base: Total sample

I. Living Situation

Given the target demographic for this study, it was not surprising that the majority of the respondents (65%) lived at home with parents and/or guardians. Another 17% lived with a significant other and one-in-ten (10%) lived with roommates. Only 5% reported living on their own.

LIVING SITUATION

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Living with parents/guardians	65	70	61	80	50	66	62	69	63
Living with a boyfriend, girlfriend, or partner/spouse	17	16	19	12	23	19	16	12	16
Living with roommates	10	9	11	5	16	9	13	13	11
Living on your own, without roommates	5	3	7	1	8	5	7	5	4
Living with parent(s) and a boyfriend/girlfriend/partner/spouse	<1	<1	-	-	1	<1	-	-	-
Other	<1	<1	1	<1	1	<1	<1	-	2
Prefer not to answer	2	1	2	2	2	1	2	2	3

Q42. Which of the following categories best describes your current living situation? Base: Total sample

J. Community Makeup

Just over half of respondents (54%) reported living in an urban centre, while another three-in-ten (31%) lived in a more suburban neighborhood. Fewer lived in either rural (11%) or remote (2%) communities.

COMMUNITY TYPE

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
Urban	54	62	46	55	52	60	48	45	34
Suburban	31	28	33	31	31	27	33	39	41
Rural	11	7	14	8	13	9	13	11	16
Remote	2	1	3	1	2	2	2	1	2
Don't know/Prefer not to answer	3	2	5	4	2	3	3	4	6

Q41. How would you best describe the area in which you reside? Base: Total sample

Overall, the final sample was reflective of a good range of different community sizes.

COMMUNITY SIZE

	TOTAL	Male	Female	AGE 15-17	AGE 18-24	Frequent Vaper	Regular Vaper	Occasional Vaper	Infrequent Vaper
	1501	715	764	750	751	909	290	205	97
	%	%	%	%	%	%	%	%	%
1,000,000 or more people	20	19	20	19	20	19	23	18	23
500,000-999,999 people	15	20	10	15	14	16	13	11	13
100,000-499,999 people	17	17	17	15	19	16	16	21	18
50,000-99,999 people	15	20	11	16	15	19	9	11	6
10,000-49,999 people	10	11	9	13	7	12	8	8	5
5,000-9,999 people	6	4	8	6	6	5	11	3	2
Under 5,000 people	5	3	7	3	7	4	8	5	8
Don't know/Prefer not to answer	12	5	18	13	12	8	13	22	25

Q40. What is the size of the community in which you currently live? Base: Total sample

X. Appendix: Research Instruments

Research Instruments

A. English Questionnaire

Understanding Youth and Young Adults' Interest in, and Usage of, Flavoured Cannabis Vaping Products FINAL Survey

PARENT IDENTIFIER AND CONSENT

A. Are you the parent or legal guardian of a child/children in your household between 15 and 17 years of age?

Yes [PN: CONTINUE]	<input type="checkbox"/>
No [PN: SKIP TO INTRODUCTION]	<input type="checkbox"/>
Prefer not to answer [PN: TERMINATE]	<input type="checkbox"/>

B. [ASK ONLY IF 'YES' AT Q.A] What are the exact age(s) of the child(ren) in your household in between 15 and 17 years old? [PN: DROPDOWN 15-17. ALLOW FOR BLANKS FOR 2-5.]

[PN: IF '15' TO ANY CONTINUE, OTHERWISE SKIP TO Q.D]

1. _____
2. _____
3. _____
4. _____
5. _____

Prefer not to answer [PN: TERMINATE]

C. [ASK ONLY IF '15' AT Q.B] Based on the information provided, do you consent to having your child aged 15 years old participate in this survey? *If you have more than one child aged 15, please just choose one to participate.*

Yes, I consent	<input type="checkbox"/>
No, I do not consent [PN: TERMINATE]	<input type="checkbox"/>
Prefer not to answer [PN: TERMINATE]	<input type="checkbox"/>

D. Please bring your child aged 15-17 to the computer or mobile device and allow them to respond to the following questions themselves. Please click 'Next' once they are ready. If there is a time later today that would work better for your teenager, you can reopen this link when they are free and you will be brought back to the same place.

INTRODUCTION

Thank you for agreeing to take this survey. It is being conducted by The Strategic Counsel on behalf of Health Canada to gauge your views on various topics, including smoking, e-cigarettes, vaping, and cannabis. It should take you no more than 12-15 minutes to complete. Your help in responding to these questions is very important. All of your answers will be kept completely confidential and anonymous, and your participation is voluntary.

Click [here](#) [POP-UP IN NEW BROWSER WINDOW*] to verify its authenticity.

TEXT TO SHOW ONCE RESPONDENT CLICKS:

This research is sponsored by Health Canada. Note that your participation will remain completely confidential and it will not affect your dealings with the Government of Canada, including Health Canada, in any way.

You may contact Ashley Mac Donell, Associate, The Strategic Counsel at 416-975-4465 ext. 288 to verify the legitimacy of this survey.

Click [here](#) [POP-UP IN NEW BROWSER WINDOW*] for more information about how any personal information collected in this survey is handled.

TEXT TO SHOW ONCE RESPONDENT CLICKS:

The personal information you provide to Health Canada is governed in accordance with the *Privacy Act* and is being collected under the authority of Section 4 of the *Department of Health Act* in accordance with the Treasury Board Directive on Privacy Practices. We only collect the information we need to conduct the research project.

Purpose of collection: We require your personal information such as demographic information to better understand the topic of the research. However, your responses are always combined with the responses of others for analysis and reporting; you will never be identified.

For more information: This personal information collection is described in the standard personal information bank Public Communications – PSU 914, in Info Source, available online at www.infosource.gc.ca.

Your rights under the *Privacy Act*: In addition to protecting your personal information, the *Privacy Act* gives you the right to request access to and correction of your personal information. For more information about these rights, or about our privacy practices, please contact Health Canada's Privacy Coordinator at 613-948-1219 or hc.privacy-vie.privee.sc@canada.ca. You also have the right to file a complaint with the Privacy Commissioner of Canada if you think your personal information has been handled improperly.

Click [here](#) [POP-UP IN NEW BROWSER WINDOW*] for more information about what happens after the survey is completed.

TEXT TO SHOW ONCE RESPONDENT CLICKS

The final report, written by The Strategic Counsel, will be available to the public from Library and Archives Canada <http://www.bac-lac.gc.ca/>.

SCREENING QUESTIONS

1. Please indicate your sex assigned at birth.

Male	<input type="checkbox"/>
Female	<input type="checkbox"/>
Prefer not to answer	<input type="checkbox"/>

2. What is your gender identity? *This refers to your current gender, which may be different from sex assigned at birth or from what is indicated on legal documents.* **[PN: SOFT QUOTA – AIM FOR 50/50 GENDER SPLIT]**

Male gender	<input type="checkbox"/>
Female gender	<input type="checkbox"/>
Another gender	<input type="checkbox"/>
Prefer not to answer [PN: TERMINATE]	<input type="checkbox"/>

3. In what year were you born?

[PN: DROPDOWN WITH YEARS 1995-2005, TERMINATE 1994 OR BEFORE AND 2006 OR LATER]

Prefer not to answer **[PN: TERMINATE]**

In what month were you born?

[PN: DROPDOWN WITH MONTHS JAN-DEC]

1995 ONLY ACCEPT THOSE BORN OCT-DEC (INCLUSIVE) = 24 YEARS OLD

2002 IF JAN-SEPT =18 YEARS OLD, IF OCT-DEC =17 YEARS OLD

2005 ONLY ACCEPT THOSE BORN JAN-SEPT (INCLUSIVE) = 15 YEARS OLD

Prefer not to answer **[PN: TERMINATE]**

3a. **[PN: RECLASSIFY AND ENSURE SOFT QUOTAS ARE MAINTAINED]**

15-17 **[PN SOFT QUOTA N=750]**

18-24 **[PN SOFT QUOTA N=750]**

4. In which province or territory do you currently reside? **[PN: SOFT QUOTA]**

Alberta	<input type="checkbox"/>
British Columbia	<input type="checkbox"/>
Manitoba	<input type="checkbox"/>
New Brunswick	<input type="checkbox"/>
Newfoundland and Labrador	<input type="checkbox"/>
Northwest Territories	<input type="checkbox"/>
Nova Scotia	<input type="checkbox"/>
Nunavut	<input type="checkbox"/>
Ontario	<input type="checkbox"/>
Prince Edward Island	<input type="checkbox"/>
Quebec	<input type="checkbox"/>
Saskatchewan	<input type="checkbox"/>
Yukon	<input type="checkbox"/>
Outside of Canada [PN: TERMINATE]	<input type="checkbox"/>

Prefer not to answer [PN: TERMINATE]	<input type="checkbox"/>
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[PN: SHOW FOLLOWING TEXT ON AN INDIVIDUAL PAGE]

In this survey, when we use the term **cannabis**, this includes marijuana (e.g., weed, pot), hashish, hash oil or any other products made from the cannabis plant, including CBD and THC products, whether they were obtained from legal or illegal sources. It does not include synthetic cannabis such as “K2”, “Spice” or “fake weed”.

For this survey, we are most interested in learning about your experience **vaping cannabis**. This includes using vaping cartridges, pods or pens with liquid cannabis extract in them. This does not mean vaping dried cannabis flower (e.g. bud, whole flower or shake), vaping solid cannabis extracts (e.g. hash, shatter, or kief) or vaping non-cannabis products such as nicotine.

5. Have you ever vaped any of the following products? *Select all that apply.*

[PN: TERMINATE IF ‘LIQUID CANNABIS OIL/EXTRACT’ IS NOT SELECTED]

E-liquid with nicotine	<input type="checkbox"/>
Dried flower/herb (e.g., bud)	<input type="checkbox"/>
Liquid cannabis oil/extract (e.g., vape pens, vape cartridges)	<input type="checkbox"/>
Solid cannabis extract (e.g., shatter, hash)	<input type="checkbox"/>
Other cannabis product, please specify:	<input type="checkbox"/>
I have never vaped any of these products [PN: EXCLUSIVE]	<input type="checkbox"/>
Prefer not to answer [PN: EXCLUSIVE]	<input type="checkbox"/>

USAGE OF CANNABIS VAPING PRODUCTS

6. In the past 12 months, how often did you vape cannabis? [PN: MONITOR REGULAR VAPERS VS. EVER VAPERS. REGULAR VAPERS ARE DEFINED AS THOSE WHO VAPE 1 DAY PER MONTH OR MORE.]

Daily	<input type="checkbox"/>
5 or 6 days per week	<input type="checkbox"/>
3 or 4 days per week	<input type="checkbox"/>
1 or 2 day(s) per week	<input type="checkbox"/>
2 or 3 days per month	<input type="checkbox"/>
1 day per month	<input type="checkbox"/>
Less than 1 day per month	<input type="checkbox"/>
I have not vaped cannabis in the last 12 months	<input type="checkbox"/>

7. [PN: IF ‘LESS THAN 1 DAY PER MONTH’ OR ‘NOT VAPED CANNABIS IN THE LAST 12 MONTHS’ AT Q.6, ASK] Have you ever vaped cannabis more often than that in the past?

Yes	<input type="checkbox"/>
No	<input type="checkbox"/>

8. In the past 12 months, have you used cannabis for medical purposes? By medical purposes, we mean used to treat a disease/disorder or to improve symptoms associated with a disease/disorder.

Yes, with a medical document from a healthcare professional	<input type="checkbox"/>
Yes, without a medical document from a healthcare professional	<input type="checkbox"/>
No	<input type="checkbox"/>

9. **[PN: IF 'YES' AT Q.8, ASK]** Thinking about how you currently vape cannabis, are you typically using it for medical purposes (using it to treat a disease/disorder or to improve symptoms associated with a disease/disorder) or for non-medical purposes? By non-medical purposes we mean using it recreationally (e.g., for enjoyment, pleasure, amusement), socially, or for spiritual, lifestyle and other similar non-medical uses.

I usually vape cannabis for medical purposes	<input type="checkbox"/>
I usually vape cannabis for non-medical purposes	<input type="checkbox"/>
I vape cannabis for both purposes equally	<input type="checkbox"/>

INTEREST IN CANNABIS VAPING PRODUCTS AND OTHER CANNABIS PRODUCTS

10. At what age did you first begin vaping cannabis?

[PN: INSERT AGE] _____

11. Which of the following best reflects your situation when you first started vaping cannabis?

a. They were the first cannabis products that I started using [PN: IF SELECTED THIS OPTION CANNOT ALSO SELECT OPTION B]	<input type="checkbox"/>
b. I was also using other cannabis products (e.g., dried/fresh flower, edibles, capsules, topicals, etc.) before I began vaping cannabis [PN: IF SELECTED THIS OPTION CANNOT ALSO SELECT OPTION A]	<input type="checkbox"/>
c. I was also using non-cannabis vapes (e.g., nicotine vape) [PN: IF SELECTED THIS OPTION POSSIBLE TO ALSO SELECT A OR B AND/OR D]	<input type="checkbox"/>
d. I was also smoking tobacco (e.g., cigarettes) [PN: IF SELECTED THIS OPTION POSSIBLE TO ALSO SELECT A OR B AND/OR C]	<input type="checkbox"/>

12. Thinking back to when you first started vaping cannabis, how important were each of the following in you initially becoming interested in these products? **[PN: CAROUSEL]**

PN: RANDOMIZE ITEMS A-H	Very important	Somewhat important	Not very important	Not important at all	Not applicable
a. Seeing other family members use them	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Seeing other friends use them	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Seeing and/or hearing about celebrities or other well-known people who use them	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

d. Product advertising and promotions (e.g. on social media)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. The taste and smell	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. The ability to get products with a flavour that is different from cannabis (e.g. melon, citrus)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. General curiosity/I wanted to know what it was like	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Vaping seemed like a safer alternative to smoking	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. Was there anything else that prompted your initial interest in these products? **[PN: OPEN-END]**

No, nothing else

14. What are the main reasons why you choose to vape cannabis, versus using it in other ways (e.g., smoke a joint, consume edibles)? *Select all that apply.*

[PN: RANDOMIZE]

They get me more high than other cannabis products	<input type="checkbox"/>
I like the flavour	<input type="checkbox"/>
I like that I can get flavoured products that don't taste like cannabis (e.g., melon, citrus)	<input type="checkbox"/>
To avoid smoking and the harms associated with it	<input type="checkbox"/>
It's easier on the throat than smoking	<input type="checkbox"/>
It's more convenient and discrete	<input type="checkbox"/>
I use cannabis for medical purposes and prefer to vape rather than use another method	<input type="checkbox"/>
It doesn't produce as much smoke or as much of a smell as smoking cannabis	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>

15. In what situations do you usually vape cannabis? *Select all that apply.*

[PN: RANDOMIZE]

When I am alone	<input type="checkbox"/>
With friends	<input type="checkbox"/>
With family	<input type="checkbox"/>
At parties or other social events	<input type="checkbox"/>
When I'm driving	<input type="checkbox"/>
At home	<input type="checkbox"/>
At school	<input type="checkbox"/>
At work	<input type="checkbox"/>

Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>
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16. Which of the following factors are most important to you when selecting which vape product(s) to purchase?
Select up to three.

[PN: RANDOMIZE]

Price	<input type="checkbox"/>
THC or CBD content	<input type="checkbox"/>
Flavour	<input type="checkbox"/>
Product name	<input type="checkbox"/>
Terpenes present	<input type="checkbox"/>
The cannabis strain	<input type="checkbox"/>
Product packaging	<input type="checkbox"/>
The manufacturer/grower	<input type="checkbox"/>
Quality of the product/vape	<input type="checkbox"/>
Safety reviews	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>
I don't buy my own, I get them from someone else [PN: EXCLUSIVE, ANCHOR]	<input type="checkbox"/>

17. Please indicate whether you agree or disagree with each of the following statements. [PN: CAROUSEL]

PN: RANDOMIZE ITEMS A-N	Strongly agree	Somewhat agree	Somewhat disagree	Strongly disagree
a. Vaping cannabis is safer for your health than smoking cannabis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Vaping cannabis is safer for your health than smoking tobacco.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Using cannabis is socially acceptable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Using cannabis may result in dependence and addiction.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Using cannabis daily can cause problems with memory, learning and decision-making.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. There are very few adverse effects from using cannabis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. It's important to me to know the ingredients in the cannabis products I use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Using cannabis helps me relax.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. I use cannabis mostly for fun.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. I use cannabis mostly with others in social settings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. I prefer to use cannabis on my own.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

l. I see advertisements for cannabis regularly.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. Using cannabis can be beneficial.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. I don't think there should be a minimum age for using cannabis products.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

USAGE OF FLAVOURED CANNABIS VAPE PRODUCTS

The next few questions specifically ask about **flavoured cannabis vape products**. When we use the term **flavoured cannabis vape products**, we are referring to cannabis vape products with a flavour (e.g. melon, citrus, grape) that is different from the flavour commonly associated with cannabis.

18. When vaping cannabis, how often do you use **flavoured cannabis products**?

Always [PN: SKIP TO Q.20]	<input type="checkbox"/>
Very often [PN: SKIP TO Q.20]	<input type="checkbox"/>
Sometimes [PN: SKIP TO Q.20]	<input type="checkbox"/>
Rarely [PN: CONTINUE]	<input type="checkbox"/>
Never [PN: CONTINUE, DO NOT ASK Q.20-23 OR Q.25-27]	<input type="checkbox"/>

19. [IF RARELY/NEVER AT Q.18, ASK] Why did you say you [PN: INSERT 'rarely' or 'never' FROM Q.18] use flavoured cannabis vape products? *Select all that apply.*

[PN: RANDOMIZE]

Don't like the flavour options/prefer the taste of cannabis	<input type="checkbox"/>
The products are more expensive	<input type="checkbox"/>
I have a hard time finding these products	<input type="checkbox"/>
I have never seen these products/I did not know they exist	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>

20. In general, how easy or difficult is it for you to obtain **flavoured cannabis vape products**?

Very easy	<input type="checkbox"/>
Somewhat easy	<input type="checkbox"/>
Somewhat difficult	<input type="checkbox"/>
Very difficult	<input type="checkbox"/>

21. Where do you get the **flavoured cannabis vape products** that you use/have used? *Select all sources that apply.*

[PN: RANDOMIZE]

A family member	<input type="checkbox"/>
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A friend	<input type="checkbox"/>
It was shared around a group of friends	<input type="checkbox"/>
An acquaintance	<input type="checkbox"/>
A dealer	<input type="checkbox"/>
A legal storefront	<input type="checkbox"/>
A legal online source (e.g., Health Canada licensed producer, provincial regulated retailer)	<input type="checkbox"/>
I ask someone else to get them for me	<input type="checkbox"/>
An illegal storefront	<input type="checkbox"/>
An illegal online source	<input type="checkbox"/>
I make my own	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>

22. [PN: IF ANSWERED 'FAMILY MEMBER,' 'FRIEND,' 'IT WAS SHARED,' 'ACQUAINTANCE' OR 'I ASK SOMEONE ELSE' AT Q.21, ASK] Thinking about when you get **flavoured cannabis vape products** from [PN: INSERT 'a family member', 'a friend', 'a group of friends where it is shared' 'an acquaintance' or 'someone else' FROM Q.21], as far as you know, does the person(s) get them from... *Select all sources that apply.*

[PN: REPEAT FOR EACH ANSWER SELECTED AT Q.21]

A legal source	<input type="checkbox"/>
An illegal source	<input type="checkbox"/>
Don't know/not sure [PN: EXCLUSIVE]	<input type="checkbox"/>

IMPACT OF FLAVOUR

23. Which of the following flavours, if any, have you tried when it comes to vaping cannabis? *Select all that apply.*

[PN: RANDOMIZE]

Fruit (e.g., melon, citrus, berry)	<input type="checkbox"/>
Candy	<input type="checkbox"/>
Dessert	<input type="checkbox"/>
Mint or menthol	<input type="checkbox"/>
Tobacco	<input type="checkbox"/>
Soft drinks	<input type="checkbox"/>
Energy drinks	<input type="checkbox"/>
Alcoholic drinks	<input type="checkbox"/>
Coffee	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>
None of the above [PN: EXCLUSIVE, ANCHOR]	<input type="checkbox"/>

24. [PN: IF ANSWERED ANY, INCLUDING 'NEVER' AT Q.18, ASK] Regardless of whether you have vaped flavoured products or not, which of the following flavours, if any, are **most appealing** to you when it comes to vaping cannabis? *Select all that apply.*

[PN: RANDOMIZE]

Fruit (e.g. melon, citrus, berry)	<input type="checkbox"/>
Candy	<input type="checkbox"/>
Dessert	<input type="checkbox"/>
Mint or menthol	<input type="checkbox"/>
Tobacco	<input type="checkbox"/>
Soft drinks	<input type="checkbox"/>
Energy drinks	<input type="checkbox"/>
Alcoholic drinks	<input type="checkbox"/>
Coffee	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>
None of the above, I prefer cannabis flavour [PN: EXCLUSIVE, ANCHOR]	<input type="checkbox"/>

25. Overall, how important is the ability to get **flavoured products** in your choice to continue to vape cannabis?

Very important	<input type="checkbox"/>
Somewhat important	<input type="checkbox"/>
Not very important	<input type="checkbox"/>
Not important at all	<input type="checkbox"/>

26. If **flavoured** cannabis vape products were no longer available to purchase from a legal retailer in Canada, what impact would that have on you?

I would continue to vape cannabis [PN: EXCLUSIVE]	<input type="checkbox"/>
I would stop vaping cannabis, but would use other cannabis products (e.g., dried/fresh flower, edibles, capsules, topicals, etc.) [SKIP TO Q.28]	<input type="checkbox"/>
I would stop vaping cannabis, but would use other flavoured vape products (e.g., nicotine vape products) [SKIP TO Q.28]	<input type="checkbox"/>
I would stop using cannabis altogether and would not use other vape products (e.g. nicotine vape products) [SKIP TO Q.28] [PN: EXCLUSIVE]	<input type="checkbox"/>

27. [PN: IF ANSWERED 'CONTINUE TO VAPE' AT Q.26, ASK] Which of the following best describes how you would continue to vape cannabis, if restrictions were to be put on flavoured cannabis vape products? *Select all that apply.*

[PN: RANDOMIZE]

I would vape non-flavoured cannabis products	<input type="checkbox"/>
I would continue vaping flavoured cannabis products by purchasing them from an illegal source	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>

28. Regardless of whether you have vaped flavoured cannabis products or not, have any of the following aspects ever made you think that the cannabis vaping product you were considering purchasing or using was **flavoured**?

[PN: RANDOMIZE]	Yes	No	Don't know/ Not applicable
Strain name(s) (e.g., Gelato, Purple Punch, Lemon Skunk, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Terpene(s) the product contained (e.g., Pinene, Limonene, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Colour of the packaging	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product name or description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ingredient list	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
What you were told by someone at the store	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Information you found online	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
What you were told by a family member/friend	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

29. Is there anything else that you've seen or heard that made you think a cannabis vaping product was flavoured?

[PN: OPEN-END]

No, nothing else

ASSOCIATED PRODUCT USE

30. [PN: IF 'E-LIQUID WITH NICTONE' SELECTED AT Q.5 AND 'ALWAYS/VERY OFTEN/SOMETIMES' AT Q.18, ASK]

Thinking now about the flavours used in cannabis vapes in comparison to the flavours used in nicotine vapes, please indicate whether you agree or disagree with the following statement.

"I prefer the overall flavour and taste of flavoured cannabis vape products versus flavoured nicotine vape products."

Strongly agree	<input type="checkbox"/>
Somewhat agree	<input type="checkbox"/>
Somewhat disagree	<input type="checkbox"/>
Strongly disagree	<input type="checkbox"/>
I don't know, I've never tried a flavoured nicotine vape product	

31. [PN: IF 'E-LIQUID WITH NICTONE' SELECTED AT Q.5 AND 'ALWAYS/VERY OFTEN/SOMETIMES' AT Q.18, ASK]

Did you ...

Start using nicotine vapes first , before using cannabis vapes	<input type="checkbox"/>
Start using cannabis vapes first , before using nicotine vapes	<input type="checkbox"/>
Start using both products at about the same time	<input type="checkbox"/>
Not sure/ I don't remember	<input type="checkbox"/>

32. Apart from vaping cannabis, do you consume cannabis in other ways?

Yes	<input type="checkbox"/>
No [PN: SKIP TO Q.36]	<input type="checkbox"/>

33. [PN: IF 'YES' AT Q.32, ASK] In the past 12 months, what other cannabis products have you used? *Select all that apply.*

[PN: RANDOMIZE]

Dried flower/leaf (e.g., bud)	<input type="checkbox"/>
Hashish/hash/kief	<input type="checkbox"/>
Cannabis oil for oral use (e.g., in dropper/syringe, softgel/capsules, spray bottle)	<input type="checkbox"/>
Cannabis concentrate/extracts (e.g., shatter, wax, budder, butane honey oil, resin, rosin)	<input type="checkbox"/>
Cannabis edible products (e.g., cookies, candy)	<input type="checkbox"/>
Cannabis beverages (e.g., cola, tea, coffee)	<input type="checkbox"/>
Topicals (e.g., lotion, ointment, creams applied to skin)	<input type="checkbox"/>
Other, please specify: _____ [PN: ANCHOR]	<input type="checkbox"/>

34. [IF 'HASHISH/KIEF' OR 'CANNABIS CONCENTRATE/EXTRACTS' AT Q.33, ASK] Among the following cannabis products that you said you used in the past 12 months, have you ever used a **flavoured** variety of any of those products?

As a reminder, **flavoured cannabis products** are products with a flavour (e.g. melon, citrus, grape) that is different from the flavour commonly associated with cannabis.

[PN: INSERT ONLY THOSE THAT THE RESPONDENT SELECTED AT Q.33]

	Yes	No	Don't know
Hash/hashish	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kief	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shatter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wax	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Budder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Butane honey oil (BHO)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rosin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other, please specify: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

35. [IF 'YES' AT Q.34] How often do you use a **flavoured** version versus an unflavoured version of the following product? [PN: CAROUSEL]

[SHOW ONLY EACH RESPONSE CATEGORY RESPONDENT ANSWERED 'YES' IN Q.34]

Hash/hashish
Kief
Shatter
Wax
Budder
Butane honey oil (BHO)
Resin
Rosin

[PN: IF 'OTHER SPECIFY' AT Q.34, SHOW OPEN ENDED RESPONSE]

Always	<input type="checkbox"/>
Very often	<input type="checkbox"/>
Sometimes	<input type="checkbox"/>
Rarely	<input type="checkbox"/>
Never	<input type="checkbox"/>

ADDITIONAL DEMOGRAPHICS

This final set of questions will be used for statistical purposes only.

36. What is your sexual orientation?

Heterosexual (straight)	<input type="checkbox"/>
Homosexual (lesbian or gay)	<input type="checkbox"/>
Bisexual	<input type="checkbox"/>
Other, please specify: _____	<input type="checkbox"/>
Prefer not to answer	<input type="checkbox"/>

37. Which of the following ethnicity(ies) do you identify as ...? *Select all that apply.*

Western European (UK, Spain, Portugal, France, Germany, Austria, Switzerland, etc.)	<input type="checkbox"/>
Eastern European (Poland, Hungary, Romania, Ukraine, Russia, etc.)	<input type="checkbox"/>
African (Nigeria, Ethiopia, Tanzania, etc.)	<input type="checkbox"/>
Middle Eastern (Israel, Syria, Jordan, Egypt, Iran, Iraq, etc.)	<input type="checkbox"/>
South Asian (India, Afghanistan, Pakistan, Sri Lanka, etc.)	<input type="checkbox"/>
Southeast Asian (Thailand, Vietnam, Singapore, the Philippines, Indonesia, Cambodia, etc.)	<input type="checkbox"/>
East Asian (China, Korea, Japan, Taiwan, etc.)	<input type="checkbox"/>
South/Central/Latin American (Argentina, Mexico, Brazil, etc.)	<input type="checkbox"/>

West Indian (Caribbean)	<input type="checkbox"/>
Canadian Indigenous (First Nations, Métis, Inuit (Inuk), etc.)	<input type="checkbox"/>
Other, please specify: _____	<input type="checkbox"/>
Prefer not to answer	<input type="checkbox"/>

38. What is the highest level of formal education that you have completed?

Grade 8 or less	<input type="checkbox"/>
Some high school	<input type="checkbox"/>
High school diploma or equivalent	<input type="checkbox"/>
Registered Apprenticeship or other trades certificate or diploma	<input type="checkbox"/>
College, CEGEP, or other non-university certificate or diploma	<input type="checkbox"/>
University certificate or diploma below Bachelor's level	<input type="checkbox"/>
Bachelor's degree	<input type="checkbox"/>
Post graduate degree above bachelor's level	<input type="checkbox"/>
Prefer not to answer	<input type="checkbox"/>

39. Which of the following categories best describes your total household income in 2019? That is, the total income of all persons in your household combined, before taxes?

Under \$20,000	<input type="checkbox"/>
\$20,000 to just under \$40,000	<input type="checkbox"/>
\$40,000 to just under \$60,000	<input type="checkbox"/>
\$60,000 to just under \$80,000	<input type="checkbox"/>
\$80,000 to just under \$100,000	<input type="checkbox"/>
\$100,000 to just under \$150,000	<input type="checkbox"/>
\$150,000 and above	<input type="checkbox"/>
Don't know/Prefer not to answer	<input type="checkbox"/>

40. What is the size of the community in which you currently live?

1,000,000 or more people	<input type="checkbox"/>
500,000-999,999 people	<input type="checkbox"/>
100,000-499,999 people	<input type="checkbox"/>
50,000-99,999 people	<input type="checkbox"/>
10,000-49,999 people	<input type="checkbox"/>
5,000-9,999 people	<input type="checkbox"/>
Under 5,000 people	<input type="checkbox"/>
Don't know/Prefer not to answer	<input type="checkbox"/>

41. How would you best describe the area in which you reside? Is it...

Urban	<input type="checkbox"/>
Suburban	<input type="checkbox"/>

Rural	<input type="checkbox"/>
Remote	<input type="checkbox"/>
Don't know/Prefer not to answer	<input type="checkbox"/>

42. Which of the following categories best describes your current living situation? Are you...

Living with parents/guardians	<input type="checkbox"/>
Living with a boyfriend, girlfriend, or partner/spouse	<input type="checkbox"/>
Living with roommates	<input type="checkbox"/>
Living on your own, without roommates	<input type="checkbox"/>
Other, please specify _____	<input type="checkbox"/>
Prefer not to answer	<input type="checkbox"/>

43. Language in which survey was completed [PN: CODE]

English	<input type="checkbox"/>
French	<input type="checkbox"/>

B. French Questionnaire

Les produits de vapotage de cannabis aromatisés : intérêt et consommation chez les jeunes et les jeunes adultes Sondage FINAL

IDENTIFICATION ET CONSENTEMENT DU PARENT

A. Êtes-vous le parent ou le tuteur légal d'un ou de plusieurs enfants âgés de 15 à 17 ans vivant dans votre ménage?

Oui [NP : CONTINUER]	<input type="checkbox"/>
Non [NP : PASSER À L'INTRODUCTION]	<input type="checkbox"/>
Je préfère ne pas répondre [NP : CONCLURE]	<input type="checkbox"/>

- B. **[DEMANDER UNIQUEMENT SI « OUI » À LA Q.A]** Quel est l'âge exact de l'enfant ou des enfants âgés de 15 à 17 ans vivant dans votre ménage? **[NP : LISTE DÉROULANTE 15-17. PERMETTRE LES BLANCS POUR 2-5.]**

[NP : SI UN JEUNE DE « 15 » ANS, CONTINUER; SINON, PASSER À LA Q.D]

1. _____
2. _____
3. _____
4. _____
5. _____

Je préfère ne pas répondre **[NP : CONCLURE]**

- C. **[DEMANDER UNIQUEMENT SI UN JEUNE DE « 15 » ANS À LA Q.B]** Compte tenu des renseignements fournis, consentez-vous à ce que votre enfant de 15 ans participe à ce sondage? *Si vous avez plus d'un enfant de 15 ans, veuillez choisir un seul d'entre eux pour la participation au sondage.*

Oui, j'y consens	<input type="checkbox"/>
Non, je n'y consens pas [NP : CONCLURE]	<input type="checkbox"/>
Je préfère ne pas répondre [NP : CONCLURE]	<input type="checkbox"/>

- D. Veuillez accompagner votre enfant âgé(e) de 15 à 17 ans devant l'ordinateur ou un appareil mobile et lui permettre de répondre aux questions suivantes par lui-même ou par elle-même. Veuillez cliquer sur « Suivant » une fois que votre enfant est prêt(e). Si un autre moment lui convient mieux plus tard dans la journée, vous pouvez rouvrir le lien à ce moment-là et revenir où vous étiez.

INTRODUCTION

Merci d'avoir accepté de faire ce sondage. Le cabinet The Strategic Counsel s'occupe de le réaliser pour Santé Canada afin de connaître vos opinions sur différents sujets comme le tabagisme, les cigarettes électroniques, le vapotage et le cannabis. Cela devrait vous prendre 12 à 15 minutes au maximum pour remplir le questionnaire. Votre aide pour répondre à ces questions est très importante. Toutes vos réponses seront strictement confidentielles et anonymes, et votre participation est volontaire.

Cliquez [ici](#) **[AFFICHER DANS UNE NOUVELLE FENÊTRE DU NAVIGATEUR*]** si vous souhaitez vérifier l'authenticité de ce sondage.

TEXTE À AFFICHER LORSQU'UN RÉPONDANT CLIQUE :

Santé Canada est le commanditaire de la présente étude. Soulignons que votre participation est strictement confidentielle et qu'elle n'aura aucune incidence sur vos rapports avec le gouvernement du Canada, y compris avec Santé Canada.

Vous pouvez vérifier la légitimité de ce sondage auprès d'Ashley Mac Donell, associée, The Strategic Counsel, au 416-975-4465, poste 288.

Cliquez [ici](#) **[AFFICHER DANS UNE NOUVELLE FENÊTRE DU NAVIGATEUR*]** pour en savoir plus sur le traitement de vos renseignements personnels recueillis durant ce sondage.

TEXTE À AFFICHER LORSQU’UN RÉPONDANT CLIQUE :

Les renseignements personnels que vous donnez à Santé Canada sont régis par la *Loi sur la protection des renseignements personnels* et sont recueillis en vertu de l’article 4 de la *Loi sur le ministère de la Santé*, conformément à la directive du Conseil du Trésor sur les pratiques relatives à la protection de la vie privée. La collecte porte uniquement sur les renseignements nécessaires à la réalisation de l’étude.

Objet de la collecte : Nous avons besoin de vos renseignements personnels, par exemple de données démographiques, pour mieux comprendre le sujet de recherche. Cependant, vos réponses seront toujours regroupées avec celles des autres répondants au moment de l’analyse et des rapports; vous ne serez jamais identifié(e).

Pour en savoir plus : Vous trouverez une description de la collecte de ces renseignements personnels dans le fichier de renseignements personnels ordinaires POU 914 — Communications publiques, dans Info Source, disponible en ligne au www.infosource.gc.ca.

Vos droits en vertu de la Loi sur la protection des renseignements personnels : En plus de protéger vos renseignements personnels, la *Loi sur la protection des renseignements personnels* vous donne le droit de demander l’accès à ces renseignements ainsi que leur correction. Pour plus d’information sur ces droits ou sur nos pratiques en matière de protection de la vie privée, veuillez appeler le coordonnateur de la protection des renseignements personnels de Santé Canada au 613-948-1219 ou lui écrire à hc.privacy-vie.privee.sc@canada.ca. Vous avez également le droit de déposer une plainte auprès du Commissariat à la protection de la vie privée du Canada si vous estimez que vos renseignements personnels ont été traités d’une manière inappropriée.

Cliquez [ici](#) [AFFICHER DANS UNE NOUVELLE FENÊTRE DU NAVIGATEUR*] pour savoir ce qui se passera à la suite du sondage.

TEXTE À AFFICHER LORSQU’UN RÉPONDANT CLIQUE :

Le rapport final, préparé par le cabinet The Strategic Counsel, sera accessible au public sur le site Web de Bibliothèque et Archives Canada : <http://www.bac-lac.gc.ca/>

QUESTIONS DE SÉLECTION

1. Veuillez indiquer votre sexe assigné à la naissance.

Sexe masculin	<input type="checkbox"/>
Sexe féminin	<input type="checkbox"/>
Je préfère ne pas répondre	<input type="checkbox"/>

2. Quelle est votre identité de genre? *Il s’agit de votre genre actuel, qui peut différer du sexe que l’on vous assigné à la naissance ou de ce qui est indiqué sur vos documents juridiques.* [NP : QUOTA SOUPLE – VISER LA PARITÉ DE GENRE]

Genre masculin	<input type="checkbox"/>
Genre féminin	<input type="checkbox"/>
Autre genre	<input type="checkbox"/>
Je préfère ne pas répondre [NP : CONCLURE]	<input type="checkbox"/>

3. Quelle est votre année de naissance?

[NP : LISTE DÉROULANTE DES ANNÉES
1995-2005, CONCLURE SI 1994 OU AVANT ET SI 2006 OU APRÈS]

Je préfère ne pas répondre [NP : CONCLURE]

Quel est votre mois de naissance?

[NP : LISTE DÉROULANTE DES MOIS, JANVIER À DÉCEMBRE]

1995 : ACCEPTER UNIQUEMENT LES RÉPONDANTS NÉS ENTRE OCT. ET DÉC. (INCLUSIVEMENT) = 24 ANS

2002 : SI JANV.-SEPT. = 18 ANS, SI OCT.-DÉC. = 17 ANS

2005 : ACCEPTER UNIQUEMENT LES RÉPONDANTS NÉS ENTRE JANV. ET SEPT. (INCLUSIVEMENT) = 15 ANS

Je préfère ne pas répondre [NP : CONCLURE]

3a. [NP : RECLASSIFIER EN VEILLANT À MAINTENIR DES QUOTAS SOUPLES]

15-17 ans [NP : QUOTA SOUPLE N=750]

18-24 ans [NP : QUOTA SOUPLE N=750]

4. Dans quelle province ou quel territoire habitez-vous? [NP : QUOTA SOUPLE]

Alberta	<input type="checkbox"/>
Colombie-Britannique	<input type="checkbox"/>
Manitoba	<input type="checkbox"/>
Nouveau-Brunswick	<input type="checkbox"/>
Terre-Neuve-et-Labrador	<input type="checkbox"/>
Territoires du Nord-Ouest	<input type="checkbox"/>
Nouvelle-Écosse	<input type="checkbox"/>
Nunavut	<input type="checkbox"/>
Ontario	<input type="checkbox"/>
Île-du-Prince-Édouard	<input type="checkbox"/>
Québec	<input type="checkbox"/>
Saskatchewan	<input type="checkbox"/>
Yukon	<input type="checkbox"/>
À l'extérieur du Canada [NP : CONCLURE]	<input type="checkbox"/>
Je préfère ne pas répondre [NP : CONCLURE]	<input type="checkbox"/>

[NP : MONTRER LE TEXTE QUI SUIT SUR UNE PAGE DISTINCTE]

Dans ce sondage, lorsque nous utilisons le terme **cannabis**, cela comprend la marijuana (p. ex., l'herbe, le pot), le haschich, l'huile de cannabis ou tout autre produit dérivé de la plante de cannabis, y compris les produits CBD et THC, qu'ils proviennent de sources légales ou illégales. Cela ne comprend pas les cannabis de synthèse comme le « K2 », « Spice » ou « fake weed ».

À travers nos questions, nous nous intéressons surtout à votre expérience du **vapotage de cannabis**. Le vapotage de cannabis comprend l'utilisation de cartouches, de capsules ou de stylos de vapotage contenant un extrait liquide de cannabis. Il ne comprend pas le vapotage de fleurs de cannabis séchées (p. ex. bourgeons, fleurs entières ou shake), le vapotage d'extraits solides de cannabis (p. ex., hasch, shatter ou kief) ou le vapotage de produits non dérivés du cannabis, comme la nicotine.

5. Avez-vous déjà vapoté certains des produits suivants? *Cochez toutes les réponses qui s'appliquent.*

[NP : CONCLURE SI « HUILE OU EXTRAIT LIQUIDE DE CANNABIS » N'EST PAS CHOISI]

Liquide de vapotage contenant de la nicotine	<input type="checkbox"/>
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Fleurs séchées ou herbe (p. ex., bourgeons)	<input type="checkbox"/>
Huile ou extrait liquide de cannabis (p. ex., stylos de vapotage, cartouches de vapotage)	<input type="checkbox"/>
Extrait solide de cannabis (p. ex., shatter, hasch)	<input type="checkbox"/>
Autre produit de cannabis; veuillez préciser :	<input type="checkbox"/>
Je n'ai jamais vapoté ces produits [NP : EXCLUSIF]	<input type="checkbox"/>
Je préfère ne pas répondre [NP : EXCLUSIF]	<input type="checkbox"/>

CONSOMMATION DE PRODUITS DE VAPOTAGE DE CANNABIS

6. Dans les 12 derniers mois, à quelle fréquence avez-vous vapoté du cannabis? **[NP : SUIVRE LES VAPOTEURS RÉGULIERS VS TOUS CEUX QUI ONT DÉJÀ VAPOTÉ AU MOINS UNE FOIS. SONT DÉFINIS COMME RÉGULIERS CEUX QUI VAPOTENT UN JOUR PAR MOIS OU PLUS.]**

Tous les jours	<input type="checkbox"/>
5 ou 6 jours par semaine	<input type="checkbox"/>
3 ou 4 jours par semaine	<input type="checkbox"/>
1 ou 2 jours par semaine	<input type="checkbox"/>
2 ou 3 jours par mois	<input type="checkbox"/>
1 jour par mois	<input type="checkbox"/>
Moins d'un jour par mois	<input type="checkbox"/>
Je n'ai pas vapoté de cannabis dans les 12 derniers mois	<input type="checkbox"/>

7. **[NP : SI « MOINS D'UN JOUR PAR MOIS » OU « JE N'AI PAS VAPOTÉ DE CANNABIS DANS LES 12 DERNIERS MOIS » À LA Q.6, DEMANDER]** Avez-vous vapoté du cannabis plus souvent que cela dans le passé?

Oui	<input type="checkbox"/>
Non	<input type="checkbox"/>

8. Dans les 12 derniers mois, avez-vous consommé du cannabis à des fins médicales? Par « fins médicales », nous voulons dire pour traiter une maladie ou un trouble, ou pour améliorer les symptômes associés à une maladie ou un trouble.

Oui, avec un document médical d'un professionnel de la santé	<input type="checkbox"/>
Oui, sans document médical d'un professionnel de la santé	<input type="checkbox"/>
Non	<input type="checkbox"/>

9. **[NP : SI « OUI » À LA Q.8, DEMANDER]** En ce qui concerne vos habitudes de vapotage actuelles, est-ce que vous vapotez du cannabis plutôt à des fins médicales (pour traiter une maladie ou un trouble, ou pour améliorer les symptômes associés à une maladie ou un trouble), ou plutôt à des fins non médicales? Par « fins non médicales », nous voulons dire pour un usage récréatif (p. ex., plaisir, amusement, divertissement), social ou spirituel, en lien avec votre mode de vie ou pour d'autres raisons non médicales.

Je vapote habituellement du cannabis à des fins médicales	<input type="checkbox"/>
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Je vapote habituellement du cannabis à des fins non médicales	<input type="checkbox"/>
Je vapote du cannabis autant à des fins médicales que non médicales	<input type="checkbox"/>

INTÉRÊT À L'ÉGARD DES PRODUITS DE VAPOTAGE DE CANNABIS ET D'AUTRES PRODUITS DE CANNABIS

10. À quel âge avez-vous commencé à vapoter du cannabis?

[NP : INSÉRER L'ÂGE] _____

11. Lequel des énoncés suivants reflète le mieux votre situation lorsque vous avez commencé à vapoter du cannabis?

a. C'étaient les premiers produits de cannabis que je commençais à consommer [NP : SI A CHOISI CETTE OPTION, NE PEUT PAS AUSSI CHOISIR L'OPTION B]	<input type="checkbox"/>
b. Je consommait déjà d'autres produits de cannabis (p. ex., fleurs séchées ou fraîches, produits comestibles, capsules, produits topiques, etc.) avant de commencer à vapoter du cannabis [NP : SI A CHOISI CETTE OPTION, NE PEUT PAS AUSSI CHOISIR L'OPTION A]	<input type="checkbox"/>
c. J'utilisais aussi des vapoteuses sans cannabis (p. ex., vapoteuses contenant de la nicotine) [NP : SI A CHOISI CETTE OPTION, PEUT AUSSI CHOISIR A OU B, ET D]	<input type="checkbox"/>
d. Je fumais aussi du tabac (p. ex., cigarettes) [NP : SI A CHOISI CETTE OPTION, PEUT AUSSI CHOISIR A OU B, ET C]	<input type="checkbox"/>

12. Si vous repensez au moment où vous avez commencé à vapoter du cannabis, à quel point chacun des éléments suivants a-t-il été un facteur important dans votre intérêt initial pour ces produits? [PN: CARROUSEL]

NP : RANDOMISER LES CHOIX A-H	Très important	Assez important	Pas très important	Pas du tout important	Sans objet
a. Le fait de voir d'autres membres de ma famille en consommer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Le fait de voir des amis en consommer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Le fait de voir ou d'entendre parler de célébrités ou de personnalités connues qui en consommaient	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Les publicités et les promotions de produits (p. ex. sur les médias sociaux)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Le goût et l'odeur	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. L'accès à des produits qui ont un arôme différent de celui du cannabis (p. ex., melon, agrumes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

g. Ma curiosité générale; je voulais savoir comment c'était	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Le vapotage semblait être une solution de recharge plus sûre que le tabagisme	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

13. Y a-t-il autre chose qui a contribué à votre intérêt initial pour ces produits? **[NP : RÉPONSE LIBRE]**

Non, rien d'autre

14. Quelles sont les principales raisons qui vous incitent à vapoter du cannabis plutôt que le consommer autrement (p. ex., fumer un joint, consommer des produits comestibles)? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]

Cela me donne un « high » plus fort que d'autres produits de cannabis.	<input type="checkbox"/>
J'aime l'arôme.	<input type="checkbox"/>
J'aime pouvoir me procurer des produits aromatisés qui ne goûtent pas le cannabis (p. ex., melon, agrumes).	<input type="checkbox"/>
Pour éviter de fumer et éviter les effets néfastes qui y sont associés.	<input type="checkbox"/>
C'est moins désagréable pour la gorge que fumer.	<input type="checkbox"/>
C'est plus pratique et plus discret.	<input type="checkbox"/>
Je consomme du cannabis à des fins médicales et préfère le vapotage à d'autres méthodes.	<input type="checkbox"/>
Cela ne produit pas autant de fumée et ne sent pas aussi fort que fumer le cannabis.	<input type="checkbox"/>
Autre raison; veuillez préciser : _____ [NP : FIXER]	<input type="checkbox"/>

15. Dans quelles situations vapotez-vous du cannabis habituellement? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]

Quand je suis seul(e)	<input type="checkbox"/>
Avec des amis	<input type="checkbox"/>
Avec des membres de ma famille	<input type="checkbox"/>
Lors de fêtes ou d'autres activités sociales	<input type="checkbox"/>
En conduisant	<input type="checkbox"/>
À la maison	<input type="checkbox"/>
À l'école	<input type="checkbox"/>
Au travail	<input type="checkbox"/>
Autre situation; veuillez préciser : _____ [NP : FIXER]	<input type="checkbox"/>

16. Lesquels des facteurs suivants trouvez-vous les plus importants au moment de choisir les produits de vapotage que vous allez acheter? *Cochez jusqu'à trois réponses.*

[NP : RANDOMISER]

Le prix	<input type="checkbox"/>
La teneur en THC ou en CBD	<input type="checkbox"/>
L'arôme	<input type="checkbox"/>
Le nom du produit	<input type="checkbox"/>
Les terpènes	<input type="checkbox"/>
La souche de cannabis	<input type="checkbox"/>
L'emballage du produit	<input type="checkbox"/>
Le producteur ou le cultivateur	<input type="checkbox"/>
La qualité du produit de vapotage	<input type="checkbox"/>
Les examens de l'innocuité	<input type="checkbox"/>
Autre facteur; veuillez préciser : _____	<input type="checkbox"/>
[NP : FIXER]	
Je n'achète pas mes propres produits, je les obtiens auprès de quelqu'un d'autre [NP : EXCLUSIF, FIXER]	<input type="checkbox"/>

17. Veuillez indiquer si vous êtes d'accord ou non avec chacun des énoncés suivants. **[NP : CARROUSEL]**

NP : RANDOMISER LES ÉNONCÉS A-N	Tout à fait d'accord	Plutôt d'accord	Plutôt en désaccord	Tout à fait en désaccord
a. Vapoter du cannabis est plus sûr pour la santé que fumer du cannabis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Vapoter du cannabis est plus sûr pour la santé que fumer du tabac.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. L'usage de cannabis est socialement acceptable.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. L'usage de cannabis peut créer une dépendance et une accoutumance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. L'usage quotidien de cannabis peut causer des problèmes de mémoire, d'apprentissage et de prise de décisions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. L'usage de cannabis comporte très peu d'effets néfastes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Je trouve important de connaître les ingrédients des produits de cannabis que je consomme.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. L'usage de cannabis m'aide à me détendre.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i. Je consomme du cannabis surtout pour m'amuser.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
j. Je consomme du cannabis surtout avec d'autres, dans un contexte social.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k. Je préfère consommer du cannabis seul(e).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

l. Je vois régulièrement des publicités de cannabis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m. L'usage de cannabis peut être bénéfique.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n. Je ne crois pas qu'il devrait y avoir d'âge minimum pour consommer des produits de cannabis.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CONSOMMATION DE PRODUITS DE VAPOTAGE DE CANNABIS AROMATISÉS

Les prochaines questions portent sur les **produits de vapotage de cannabis aromatisés**. Lorsque nous utilisons le terme **produits de vapotage de cannabis aromatisés**, nous faisons référence à des produits de vapotage de cannabis dont l'arôme (p. ex., melon, agrumes, raisin) est différent de l'arôme couramment associé au cannabis.

18. Lorsque vous vapotez du cannabis, à quelle fréquence consommez-vous des **produits de cannabis aromatisés**?

Toujours [NP : PASSER À LA Q.20]	<input type="checkbox"/>
Très souvent [NP : PASSER À LA Q.20]	<input type="checkbox"/>
Parfois [NP : PASSER À LA Q.20]	<input type="checkbox"/>
Rarement [NP : CONTINUER]	<input type="checkbox"/>
Jamais [NP : CONTINUER, NE PAS POSER LES Q.20-23 OU LES Q.25-27]	<input type="checkbox"/>

19. [SI RAREMENT/JAMAIS À LA Q.18, DEMANDER] Pourquoi consommez-vous [NP : INSÉRER « rarement » OU « jamais » À PARTIR DE LA Q.18] des produits de vapotage de cannabis aromatisés? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]

Je n'aime pas les choix d'arômes; je préfère le goût du cannabis	<input type="checkbox"/>
Ces produits coûtent plus cher	<input type="checkbox"/>
J'ai du mal à trouver ces produits	<input type="checkbox"/>
Je n'ai jamais vu ces produits; je ne savais pas qu'ils existaient	<input type="checkbox"/>
Autre raison; veuillez préciser : _____ [NP : FIXER]	<input type="checkbox"/>

20. En général, à quel point trouvez-vous facile ou difficile de vous procurer des **produits de vapotage de cannabis aromatisés**?

Très facile	<input type="checkbox"/>
Assez facile	<input type="checkbox"/>
Assez difficile	<input type="checkbox"/>
Très difficile	<input type="checkbox"/>

21. Où vous procurez-vous les **produits de vapotage de cannabis aromatisés** que vous consommez ou avez consommés? *Cochez toutes les sources qui s'appliquent.*

[NP : RANDOMISER]

Un membre de la famille	<input type="checkbox"/>
Un ami	<input type="checkbox"/>
Le produit était partagé entre un groupe d'amis	<input type="checkbox"/>
Une connaissance	<input type="checkbox"/>
Un « dealer »	<input type="checkbox"/>
Un point de vente autorisé	<input type="checkbox"/>
Une source en ligne autorisée (p. ex. un producteur autorisé de Santé Canada, un détaillant autorisé de la province)	<input type="checkbox"/>
Je demande à quelqu'un d'autre de me les procurer	<input type="checkbox"/>
Un point de vente illégal	<input type="checkbox"/>
Une source en ligne illégale	<input type="checkbox"/>
Je fais mes propres produits	<input type="checkbox"/>
Autre source; veuillez préciser : _____	<input type="checkbox"/>

22. **[NP : SI A RÉPONDU « UN MEMBRE DE LA FAMILLE », « UN AMI », « LE PRODUIT ÉTAIT PARTAGÉ », « UNE CONNAISSANCE » OU « JE DEMANDE À QUELQU'UN D'AUTRE » À LA Q.21, DEMANDER]** Lorsque vous vous procurez des **produits de vapotage de cannabis aromatisés** auprès **[NP : INSÉRER « d'un membre de la famille », « d'un ami », « d'un groupe d'amis qui se partagent le produit », « d'une connaissance » OU « de quelqu'un d'autre » À LA Q.21]**, à votre connaissance, est-ce que cette ou ces personnes s'approvisionnent auprès... *Cochez toutes les sources qui s'appliquent.*

[NP : RÉPÉTER POUR CHAQUE RÉPONSE CHOISIE À LA Q.21]

D'une source légale	<input type="checkbox"/>
D'une source illégale	<input type="checkbox"/>
Je ne sais pas/je ne suis pas sûr(e) [NP : EXCLUSIF]	<input type="checkbox"/>

IMPORTANTANCE DES ARÔMES

23. Lesquels des arômes suivants avez-vous essayés en vapotant du cannabis? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]

Fruit (p. ex., melon, agrumes, baies)	<input type="checkbox"/>
Bonbon	<input type="checkbox"/>
Dessert	<input type="checkbox"/>
Menthe ou menthol	<input type="checkbox"/>
Tabac	<input type="checkbox"/>
Boissons gazeuses	<input type="checkbox"/>
Boissons énergisantes	<input type="checkbox"/>
Boissons alcoolisées	<input type="checkbox"/>
Café	<input type="checkbox"/>

Autre arôme; veuillez préciser : _____ [NP : FIXER]	<input type="checkbox"/>
Aucune des réponses qui précèdent [NP : EXCLUSIF, FIXER]	<input type="checkbox"/>

24. **[NP : SI A COCHÉ UNE RÉPONSE, Y COMPRIS « JAMAIS » À LA Q.18, DEMANDER]** Que vous ayez déjà vapoté des produits aromatisés ou non, lequel ou lesquels des arômes suivants trouvez-vous **les plus attrayants** pour ce qui est de vapoter du cannabis? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]

Fruit (p. ex., melon, agrumes, baies)	<input type="checkbox"/>
Bonbon	<input type="checkbox"/>
Dessert	<input type="checkbox"/>
Menthe ou menthol	<input type="checkbox"/>
Tabac	<input type="checkbox"/>
Boissons gazeuses	<input type="checkbox"/>
Boissons énergisantes	<input type="checkbox"/>
Boissons alcoolisées	<input type="checkbox"/>
Café	<input type="checkbox"/>
Autre arôme; veuillez préciser : _____ [NP : FIXER]	<input type="checkbox"/>
Aucune des réponses qui précèdent. Je préfère l'arôme du cannabis [NP : EXCLUSIF, FIXER]	<input type="checkbox"/>

25. De manière générale, à quel point la possibilité d'obtenir des **produits aromatisés** est-elle importante dans votre choix de continuer à vapoter du cannabis?

Très importante	<input type="checkbox"/>
Assez importante	<input type="checkbox"/>
Pas très importante	<input type="checkbox"/>
Pas du tout importante	<input type="checkbox"/>

26. S'il n'était plus possible d'acheter des produits de vapotage de cannabis **aromatisés** auprès d'un détaillant autorisé au Canada, quel impact cela aurait-il sur vous?

Je continuerais à vapoter du cannabis [NP : EXCLUSIF]	<input type="checkbox"/>
J'arrêterais de vapoter du cannabis, mais je consommerais d'autres produits de cannabis (p. ex., fleurs séchées ou fraîches, produits comestibles, capsules, produits topiques, etc.) [PASSER À LA Q.28]	<input type="checkbox"/>
J'arrêterais de vapoter du cannabis, mais je consommerais d'autres produits de vapotage aromatisés (p. ex., contenant de la nicotine) [PASSER À LA Q.28]	<input type="checkbox"/>
J'arrêterais complètement de consommer du cannabis et je ne consommerais pas d'autres produits de	<input type="checkbox"/>

vapotage (p. ex., contenant de la nicotine) [PASSER À LA Q.28] [NP : EXCLUSIF]	
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27. **[NP : SI A RÉPONDU « CONTINUERAI À VAPOTER » À LA Q.26, DEMANDER]** Lequel ou lesquels des énoncés suivants décrivent le mieux comment vous continueriez à vapoter du cannabis, si les produits de vapotage de cannabis aromatisés faisaient l'objet de restrictions? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]

Je vapoterais des produits de cannabis non aromatisés	<input type="checkbox"/>
Je continuerais à vapoter des produits de cannabis aromatisés en les achetant auprès d'une source illégale	<input type="checkbox"/>
Autre réponse; veuillez préciser : _____ [NP : FIXER]	<input type="checkbox"/>

28. Que vous ayez déjà vapoté des produits de cannabis aromatisés ou non, avez-vous déjà eu l'impression qu'un produit de vapotage de cannabis que vous pensiez acheter ou consommer était **aromatisé** en raison des aspects suivants? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]	Oui	Non	Je ne sais pas/ Sans objet
Le nom de la souche (p. ex., Gelato, Purple Punch, Lemon Skunk, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Les terpènes que contenait le produit (p. ex., pinène, limonène, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
La couleur de l'emballage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Le nom du produit ou sa description	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
La liste d'ingrédients	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ce qu'on vous a dit au magasin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Des informations trouvées en ligne	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ce qu'un ami ou un membre de la famille vous a dit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

29. Avez-vous vu ou entendu autre chose qui vous a donné l'impression qu'un produit de vapotage de cannabis était aromatisé? **[NP : RÉPONSE LIBRE]**

Non, rien d'autre

CONSOMMATION DE PRODUITS CONNEXES

30. **[NP : SI « LIQUIDE DE VAPOTAGE CONTENANT DE LA NICOTINE » CHOISI À LA Q.5 ET « TOUJOURS/TRÈS SOUVENT/PARFOIS » À LA Q.18, DEMANDER]** Veuillez indiquer si vous êtes d'accord ou non avec l'énoncé suivant sur les arômes utilisés dans les vapoteuses au cannabis par rapport aux arômes utilisés dans les vapoteuses contenant de la nicotine.

« En général, je préfère l'arôme et le goût des produits de vapotage de cannabis aromatisés à ceux des produits de vapotage aromatisés contenant de la nicotine. »

Tout à fait d'accord	<input type="checkbox"/>
Plutôt d'accord	<input type="checkbox"/>
Plutôt en désaccord	<input type="checkbox"/>
Tout à fait en désaccord	<input type="checkbox"/>
Je ne sais pas; je n'ai jamais essayé de produit de vapotage aromatisé contenant de la nicotine	

31. **[NP : SI « LIQUIDE DE VAPOTAGE CONTENANT DE LA NICOTINE » À LA Q.5 ET « TOUJOURS/TRÈS SOUVENT/PARFOIS » À LA Q.18, DEMANDER]** Avez-vous...

D'abord commencé à utiliser des vapoteuses avec nicotine , avant d'utiliser des vapoteuses au cannabis?	<input type="checkbox"/>
D'abord commencé à utiliser des vapoteuses au cannabis , avant d'utiliser des vapoteuses avec nicotine?	<input type="checkbox"/>
Commencé à utiliser les deux produits à peu près en même temps	<input type="checkbox"/>
Je ne suis pas sûr(e)/je ne me souviens pas	<input type="checkbox"/>

32. À part le vapotage de cannabis, consommez-vous du cannabis autrement?

Oui	<input type="checkbox"/>
Non [NP : PASSER À LA Q.36]	<input type="checkbox"/>

33. **[NP : SI « OUI » À LA Q.32, DEMANDER]** Dans les 12 derniers mois, quels autres produits de cannabis avez-vous consommés? *Cochez toutes les réponses qui s'appliquent.*

[NP : RANDOMISER]

Fleurs ou feuilles séchées (p. ex., bourgeons)	<input type="checkbox"/>
Haschich, hasch, kief	<input type="checkbox"/>
Huile de cannabis pour administration orale (p. ex., avec un compte-gouttes ou une pipette, un flacon pulvérisateur, ou sous forme de capsules)	<input type="checkbox"/>
Concentrés ou extraits de cannabis (p. ex., shatter, cire, budder, huile de haschich au butane, résine, rosin)	<input type="checkbox"/>
Produits comestibles au cannabis (p. ex., biscuits, bonbons)	<input type="checkbox"/>
Boissons au cannabis (p. ex., cola, thé, café)	<input type="checkbox"/>
Produits topiques (p. ex., lotion, onguent, crème pour la peau)	
Autre produit; veuillez préciser : _____ [NP : FIXER]	<input type="checkbox"/>

34. **[SI « HASCHICH OU KIEF » OU « CONCENTRÉS OU EXTRAITS DE CANNABIS » À LA Q.33, DEMANDER]** Parmi les produits de cannabis que vous dites avoir consommés dans les 12 derniers mois, avez-vous déjà consommé une version **aromatisée** de l'un de ces produits?

À titre de rappel, les **produits de cannabis aromatisés** sont des produits dont l'arôme (p. ex., melon, agrumes, raisin) est différent de l'arôme couramment associé au cannabis.

[NP : INSÉRER UNIQUEMENT LES RÉPONSES COCHÉES À LA Q.33]

	Oui	Non	Je ne sais pas
Hasch, haschich	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kief	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shatter	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Cire	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Budder	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Huile de haschich au butane (BHO)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Résine	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rosin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Autre produit; veuillez préciser : _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

35. **[SI « OUI » À LA Q.34]** À quelle fréquence consommez-vous la version **aromatisée**, plutôt que non aromatisée, du produit suivant? **[NP : CARROUSEL]**

[MONTRER UNIQUEMENT CHAQUE CATÉGORIE DE RÉPONSE POUR LAQUELLE LE RÉPONDANT A COCHÉ OUI À LA Q.34]

Hasch, haschich
 Kief
 Shatter
 Cire
 Budder
 Huile de haschich au butane (BHO)
 Résine
 Rosin

[NP : SI « AUTRE PRODUIT » À LA Q.34, PRÉSENTER UN CHAMP DE RÉPONSE LIBRE]

Toujours	<input type="checkbox"/>
Très souvent	<input type="checkbox"/>
Parfois	<input type="checkbox"/>
Rarement	<input type="checkbox"/>
Jamais	<input type="checkbox"/>

DONNÉES DÉMOGRAPHIQUES

Cette dernière série de questions servira à des fins statistiques uniquement.

36. Quelle est votre orientation sexuelle?

Hétérosexuelle	<input type="checkbox"/>
Homosexuelle (lesbienne ou gai)	<input type="checkbox"/>
Bisexuelle	<input type="checkbox"/>
Autre orientation; veuillez préciser : _____	<input type="checkbox"/>
Je préfère ne pas répondre	<input type="checkbox"/>

37. Auquel de ces groupes ethniques vous identifiez-vous? *Cochez toutes les réponses qui s'appliquent.*

Européen de l'Ouest (Royaume-Uni, Espagne, Portugal, France, Allemagne, Autriche, Suisse, etc.)	<input type="checkbox"/>
Européen de l'Est (Pologne, Hongrie, Roumanie, Ukraine, Russie, etc.)	<input type="checkbox"/>
Africain (Nigéria, Éthiopie, Tanzanie, etc.)	<input type="checkbox"/>
D'origine moyen-orientale (Israël, Syrie, Jordanie, Égypte, Iran, Irak, etc.)	<input type="checkbox"/>
Sud-Asiatique (Inde, Afghanistan, Pakistan, Sri Lanka, etc.)	<input type="checkbox"/>
Asiatique du Sud-Est (Thaïlande, Vietnam, Singapour, Philippines, Indonésie, Cambodge, etc.)	<input type="checkbox"/>
Asiatique de l'Est (Chine, Corée, Japon, Taïwan, etc.)	<input type="checkbox"/>
Sud-Américain, Centraméricain, Latino-Américain (Argentine, Mexique, Brésil, etc.)	<input type="checkbox"/>
Antillais (Caraïbes)	<input type="checkbox"/>
Autochtone canadien (Premières Nations, Métis, Inuits (Inuk), etc.)	<input type="checkbox"/>
Autre groupe; veuillez préciser : _____	<input type="checkbox"/>
Je préfère ne pas répondre	<input type="checkbox"/>

38. Quel est le niveau de scolarité le plus élevé que vous ayez atteint?

École primaire	<input type="checkbox"/>
Études secondaires partielles	<input type="checkbox"/>
Diplôme d'études secondaires ou l'équivalent	<input type="checkbox"/>
Certificat ou diplôme d'apprenti inscrit ou d'une école de métiers	<input type="checkbox"/>
Certificat ou diplôme d'un collège, d'un cégep ou d'un autre établissement non universitaire	<input type="checkbox"/>
Certificat ou diplôme universitaire inférieur au baccalauréat	<input type="checkbox"/>
Baccalauréat	<input type="checkbox"/>
Diplôme universitaire supérieur au baccalauréat	<input type="checkbox"/>
Je préfère ne pas répondre	<input type="checkbox"/>

39. Laquelle des catégories suivantes décrit le mieux le revenu total de votre ménage pour 2019? (c.-à-d. le revenu cumulé de tous les membres de votre ménage, avant impôt)

Moins de 20 000 \$	<input type="checkbox"/>
20 000 \$ à moins de 40 000 \$	<input type="checkbox"/>

40 000 \$ à moins de 60 000 \$	<input type="checkbox"/>
60 000 \$ à moins de 80 000 \$	<input type="checkbox"/>
80 000 \$ à moins de 100 000 \$	<input type="checkbox"/>
100 000 \$ à moins de 150 000 \$	<input type="checkbox"/>
150 000 \$ ou plus	<input type="checkbox"/>
Je préfère ne pas répondre	<input type="checkbox"/>

40. Quelle est la taille de la communauté dans laquelle vous habitez actuellement?

Un million d'habitants ou plus	<input type="checkbox"/>
500 000 à 999 999 habitants	<input type="checkbox"/>
100 000 à 499 999 habitants	<input type="checkbox"/>
50 000 à 99 999 habitants	<input type="checkbox"/>
10 000 à 49 999 habitants	<input type="checkbox"/>
5 000 à 9 999 habitants	<input type="checkbox"/>
Moins de 5 000 habitants	<input type="checkbox"/>
Je ne sais pas/Je préfère ne pas répondre	<input type="checkbox"/>

41. Comment décririez-vous la région où vous habitez? Est-ce une région...

Urbaine	<input type="checkbox"/>
Suburbaine	<input type="checkbox"/>
Rurale	<input type="checkbox"/>
Éloignée	<input type="checkbox"/>
Je ne sais pas/Je préfère ne pas répondre	<input type="checkbox"/>

42. Laquelle des réponses suivantes décrit le mieux votre situation de logement actuelle? Habitez-vous...

Avec vos parents ou vos tuteurs	<input type="checkbox"/>
Avec un petit ami, une petite amie ou votre partenaire ou conjoint(e)	<input type="checkbox"/>
Avec des colocataires	<input type="checkbox"/>
Seul(e), sans colocataire	<input type="checkbox"/>
Autre situation; veuillez préciser : _____	<input type="checkbox"/>
Je préfère ne pas répondre	<input type="checkbox"/>

43. Langue du sondage [NP : CODE]

Anglais	<input type="checkbox"/>
Français	<input type="checkbox"/>