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## **The Canadian Cannabis Survey 2019**

### **Methodological Report**

#### Prepared for Health Canada

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**Canada** 

# The Canadian Cannabis Survey 2019

## Methodological Report

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Supplier name: Advanis Inc.

June 2019

This public opinion research report presents the results of an online survey conducted by Advanis Inc. on behalf of Health Canada. The research was conducted with 12,023 Canadians between April 4<sup>th</sup> and June 17<sup>th</sup>, 2019.

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# 1.0 Background and Objectives

## 1.1 Background

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Use of cannabis is common in Canada. In 2017, Health Canada's Canadian Tobacco, Alcohol and Drugs Survey (CTADS) found that 15% of respondents 15 years of age and older reported using cannabis in the past year, with males reporting use more often than females. Canadians 15 to 24 years old were significantly more likely to use cannabis in past 12 months than those 25 years of age or older. Use is also common in students, with almost one in six students in grades 7 to 12 reporting past year use in the 2016-2017 Canadian Student Tobacco, Alcohol and Drugs Survey (CSTADS). International data for cannabis from 2017 showed the United States has a lifetime prevalence rate at 45.2%<sup>1</sup>, while Canada has a similar prevalence rate of 46.6%<sup>2</sup>. Prevalence rates for past year cannabis use were highest in North America (13.8%) when compared to other regions (Oceania (10.9%); Africa (6.4%); Europe (5.4%); South America (3.5%); Asia (1.8%)) around the world<sup>3</sup>.

In the 2015 Speech from the Throne, the Government of Canada committed to legalizing, regulating, and restricting access to cannabis. In 2016, the Government's Task Force on Cannabis Legalization and Regulation issued a discussion paper entitled "Toward the legalization, regulation and restriction of access to marijuana" that initiated wider consultations and dialogue regarding its intention in this area. In 2017, the Government of Canada introduced Bill C-45, An Act respecting cannabis and designed to amend the Controlled Drugs and Substances Act, the Criminal Code and other Acts. Implementation of the new *Cannabis Act* occurred in October 2018, creating a regulated legal market for non-medical cannabis for adults in Canada.

The legalization and regulation of cannabis in Canada has also prompted a policy and scientific requirement to collect new comprehensive data on the subject of cannabis use and non-use, including indicators in the areas of health, public safety, and markets. New research on cannabis use is helping the government better evaluate the possible impacts associated with its legalization, regulation, and restriction. In May and June 2016, Health

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1 United States Department of Health and Human Services. Substance Abuse and Mental Health Services Administration, National Survey on Drug Use and Health, 2015. Available from <https://www.drugabuse.gov/national-survey-drug-use-health>. Accessed March 12, 2018.

2 Health Canada's Canadian Tobacco, Alcohol and Drugs Survey: detailed tables for 2017. Available from <https://www.canada.ca/en/health-canada/services/canadian-tobacco-alcohol-drugs-survey/2017-summary/2017-detailed-tables.html#t13>. Accessed March 12, 2018. The CTADS is conducted on a biennial basis.

3 United Nations Office on Drugs and Crime, World Drug Report 2019. Available from <https://dataunodc.un.org/drugs>. Accessed July 18 2019.

Canada conducted the *Baseline Survey on Awareness, Knowledge and Behavior Associated with Recreational Use of Marijuana* (administered by Ekos Research Associates). This study examined knowledge, perceived acceptability and health risks, patterns of recreational use, and information-seeking behaviours. This study found that 58% of respondents reported cannabis use in their lifetime and that 22% reported use in the past 12 months. Among those who did not report use in the past 12 months, 85% felt they were unlikely to use cannabis once it becomes legal. The subsequent iterations of the Canadian Cannabis Survey will continue to examine in more depth patterns of use, such as the quantities used and medical use; the cannabis market, such as sources and pricing; and issues of public safety, such as impaired driving.

In 2017, the first cycle of the *Canadian Cannabis Survey* (CCS) was completed and collected data from 9,215 people 16 years of age and older. It examined, in more depth, patterns of use, such as the quantities of cannabis consumed and the use of cannabis for medical purposes; the cannabis market, such as sources of cannabis and pricing; and issues of public safety, such as impaired driving. The *2018 Canadian Cannabis Survey* aimed to gather additional data, such as changes to willingness to publicly report cannabis use if legal; perceived risk of using cannabis in various ways; expected sources of cannabis once it is legal; absenteeism from school and work as a result of cannabis use; and receiving treatment or counseling for cannabis use. The *2018 Canadian Cannabis Survey* also asked about maternal use during pregnancy and while breastfeeding. In 2018, Health Canada conducted the second cycle of the CCS (administered by Advanis). It was in the field from May 15, 2018 to July 9, 2018 and collected data from 12,958 people 16 years of age and older. Of the responses received, 3,395 responses were from people who indicated that they had used cannabis in the past 12 months for either non-medical or medical purposes. In 2019, the third cycle was conducted, collecting 12,023 completed surveys from people 16 years of age and older. All respondents were asked questions regarding cannabis use and non-use in Canada; patterns of use (e.g., age of initiation, frequency of use, quantities and products used); public concerns related to cannabis (including problematic use and drug-impaired driving); perception of risk and normalization; and use of cannabis for medical purposes and reasons for this use.

## 1.2 Objectives of the Survey

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The *2019 Canadian Cannabis Survey* aimed to gather additional data. It wanted to examine in more depth patterns of use, such as the quantities used and medical use; the cannabis market, such as sources and pricing; and issues of public safety, such as impaired driving.

In conducting this research, Health Canada's objective was to collect information on the following:

- Cannabis use and non-use in Canada;
- Patterns of use (e.g., age of initiation, frequency of use, quantities and products used)
- Public concerns related to cannabis, including problematic use and drug-impaired driving;
- Perception of risk and normalization;
- Exposure to health warning messages and information; and
- Use of cannabis for medical purposes and the reasons for this use.

## 1.3 Total Expenditure

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The total cost of this research was \$249,730.00 including HST.

# 2.0 Sampling

## 2.1 The General Approach

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The approach used was a two-step recruitment process where respondents were first recruited by telephone (both land-line and mobile) using a short battery of screener questions approved by Health Canada. Respondents who completed the screener questions and qualified for the survey were then sent a link to the online survey, either by email or SMS, depending on their preference. Respondents were recruited from lists of random telephone numbers (RDD) that Advanis verified were in service. The distribution of phone numbers was approximately 96 percent mobile phones and 4 percent landline numbers.

The rationale for using a higher volume of cell phone than landline numbers came from the requirement of oversampling youth aged 16 to 24 years old. From previous experience, we know that this group is very hard to reach by conventional landline for two major

reasons; first, they use their parents' landline and we have difficulty reaching them; second, if they have left their parents' house, they most likely use a cell phone rather than a landline.

In total, we called 230,038 phone numbers, and 21,325 people agreed to participate in the survey. Of these calls, 17 percent were conducted in French and 83 percent were conducted in English. The response rate calculation is presented in Appendix A.

During the computer assisted telephone interviews (CATI) recruit, Advanis requested permission to send the survey link to respondents' mobile phones via a Short Message Service (SMS). The advantage of SMS survey invitations are that, unlike email invitations, they avoid issues with incorrect email addresses and spam filtering. If the recruited respondent did not have a smartphone, or preferred email, survey links were sent via email. Of the respondents who completed the CATI screener, 86 percent were recruited via SMS, and 14 percent were recruited by email. Of those recruited to the online survey by SMS, 57.4% completed the online survey. Among those sent an email invitation, the completion rate of the online survey was 50.0% percent.

To increase the response rate, inbound calling was allowed and directed to interviewers trained on the survey. If the potential respondent called from the phone that was initially dialed by someone in the call centre, the calling record was automatically displayed to an interviewer.

Invite reminders were sent 3 days and 6 days after the initial invitation. A third SMS/email reminder was sent to those flagged as being under 25 years of age an additional 3 days later, in an attempt to boost response rates. Once SMS/email reminders had been sent, Advanis also conducted telephone reminders at least 3 days after the last reminder to confirm the invite had been received, and to correct email addresses if necessary. During these calls (only made once), voicemail messages were left reminding the respondents that the survey was still open and a final invitation was triggered automatically.

The average survey length for those that used cannabis in the past 12 months was 24 minutes, and it was 12 minutes on average for those that did not use cannabis in the past 12 months. We need to keep in mind that, during an online survey, the time elapsed doesn't necessarily align perfectly with survey duration since respondents may not always complete the survey all at once. As for the duration of the recruitment interviews, the average length was just over 2 minutes.

## 2.2 The Pretest and Field Dates

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The pretest was conducted on April 4<sup>th</sup>, 2019. During this pretest, we recruited 425 people by phone, 368 in English and 56 in French. This translated into 80 completed online surveys, 71 English and 9 French. The validation of the data was completed the morning of April 5<sup>th</sup>. This validation included respondents that had used cannabis in the past 12 months, as well as those that had not, to ensure that all questions were tested. No changes were made to the survey following the pretest, although one case was removed from the data due to comments that they had answered the survey incorrectly. The data collection period was from April 4<sup>th</sup> to June 17<sup>th</sup>, 2019.

## 2.3 Quality Control

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### 2.3.1 - Quality Control in Survey Programming

Advanis utilizes technology to maximize quality control in survey programming. Having developed a proprietary survey engine tool, Advanis professionals are able to design and program a survey in a browser-based environment, eliminating the need to involve a programmer who is less familiar with the survey subject matter. Below are the steps followed to ensure the quality of the survey.

- The survey was thoroughly pre-tested by Advanis' project team members, as well as by non-team members (non-team members provide "fresh eyes").
- The online survey was tested by representatives at Health Canada (and their designated testers). This allowed Health Canada to ensure skip patterns and survey questions were correctly programmed.

### 2.3.2 - CATI Methodology and Quality Control

The CATI recruit script was programmed on Advanis' proprietary CATI platform with no unforeseen challenges. Advanis was able to leverage its experience for the survey programming and the reminder process to achieve high quality standards.

Advanis implemented the following to ensure the highest quality data collection:

- Trained the interviewers to best understand the study's objectives and to ensure that they were able to pronounce and understand the survey wording;



- Detailed call records were kept by the automated CATI system, and were supplemented by output files to SPSS for productivity analysis (i.e., not subject to human error);
- Screening scripts contained a description of the importance of the research and the importance of respondent participation, serving as a motivator for respondents;
- The recruit scripts were pre-tested for best possible flow;
- Briefing was done on an ongoing basis to ensure that all interviewers are up to date on current information regarding the project;
- Our average interviewer employment tenure is very high compared to industry standards, resulting in a team of interviewers who are more experienced and knowledgeable regarding the target audience;
- Advanis' Quality Assurance team listened to the actual recordings of ten percent of completed surveys, and compared the responses to those entered by the interviewer, to ensure that responses were properly recorded. This is in addition to the live monitoring done by field supervisors.
- Team Supervisors conduct regular, more formal evaluations with each interviewer, in addition to nightly monitoring of each interviewer on their team.

To ensure high interview quality, our interviewers are trained to use various interviewing techniques. As well as maintaining a professional attitude, our interviewers must also be convincing, read word-for-word, take notes, probe deeper on semi-open and open questions, systematically confirm the information given and listen to the respondent.

### **2.3.3 - Web Methodology and Quality Control**

All Advanis Web surveys are hosted internally by Advanis, and we employ a rigorous and stringent set of data collection control mechanisms to ensure the highest quality for the data collected, including:

- Respondents have a unique access code to ensure that only that participant can complete the online survey.
- Extensive internal logic checks are programmed directly into the survey to ensure logical responses.
- Web surveys are implemented using Advanis' proprietary software (which is designed to handle complicated survey formats).
- Advanis administered a detailed internal test and an external pre-test to ensure that the survey instrument was working as planned.
- We tested the questionnaire in multiple browsers and provided Health Canada with a link so they could do internal testing.

### **2.3.4 - Quality Control in Data Handling and Reporting**

For all of the data collected, Advanis develops rules to check the validity of the data. These rules include items such as:

- Time taken to complete the survey (those who completed the survey too quickly are removed)
- Data consistency check (respondents who answered multiple questions in expected ways are removed)
- Straight-lining tables of responses (checks against respondents who provide the same response to every table)
- And, rigorous checks are completed to ensure the data is accurate and error-free according to the questionnaire logic (skip patterns).

Advanis staff have used the SPSS Statistics Software for over 20 years and are very proficient users of the software. All data cleaning performed on projects are outlined in syntax files with intermediate data files saved throughout the process. This ensures that the original raw data file is never overwritten, and that if an error is discovered in our code, we can quickly and easily rerun the syntax to produce a new data file. Individuals developing code incorporate internal checks in their code (e.g., crosstabs) to ensure the syntax had the desired effect. In addition, all syntax is reviewed by another team member or technical specialist for accuracy.

## 2.4 Sampling Plan and Data Collection

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The target audience for this project was Canadians who are 16 years and older. This study included both those that had used cannabis and those that had not. A “person that uses cannabis” is someone who has used cannabis in the last 12 months. The expected incidence of cannabis use in the past 12 months in the general population is 15%, according to Health Canada data.

Key sub-population variables that required quotas were:

- Age (16-19, 20-24 and 25 years and older);
- Region; and
- Sex.

The sample consisted of a core sample of 10,000 Canadians aged 16 and older (those that use cannabis and those that do not). In the end, we gathered 12,023 responses (10,163 in English and 1,860 in French) in order to reach all of our quotas. Table 1 presents the results for the entire data collection versus the quota for the base sample.

Table 1: The Targets and Results

Region	Minimum Sample Size	Target Sample Size	Results
NL	400	400	429
PEI	400	400	444
NS	400	400	483
NB	400	400	416
QC	1,900	1,900	2,203
ON	2,800	2,900	3,541
MB	400	400	446
SK	400	400	555
AB	1,100	1,200	1,503
BC	1,300	1,400	1,790
Territories	180	200	213
Total	---	10,000	12,023
<b>Age</b>			
16 to 19 years	500	800	820
20 to 24 years	800	1,000	1,765
25 years and older	7,000	8,200	9,438
<b>Sex</b>			
Male	3,800	5,000	5,937
Female	3,800	5,000	5,983
Missing	---	---	103

## 3.0 Weighting

### 3.1 The Weighting Approach

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Overall, 12,023 web interviews were conducted during data collection. The weighting of the final file was based on three variables: region, age, and sex at birth. For the 220 people who were missing a response for sex at birth, gender was used in place of sex at birth for 117 cases, and no weights were attributed to the 103 other cases (no sex or gender identified). The cases where a weight could not be attributed were excluded from national estimates but remain in the data set. The population sizes are based on the latest Statistics Canada census results published, the 2016 Census. Since the value for the 16 to 19 age category wasn't available (only 15 to 19 is provided), we reduced the 15 to 19 year category by 1/5 of the size to reflect the best estimate of the number of 16 to 19 year olds. See section 4.2 for guidelines on the limitation of analysis with the weights.

**Table 3: The weights**

KEY	Region	Sex	Age	Weight
1M1	AB	Male	16 to 19	2149.91304
1M2	AB	Male	20 to 24	1107.35537
1M3	AB	Male	35 to 34	2205.88435
1M4	AB	Male	35 to 44	1732.16374
1M5	AB	Male	45 to 54	1958.13380
1M6	AB	Male	55+	3004.34783
1F1	AB	Female	16 to 19	2660.80000
1F2	AB	Female	20 to 24	1852.75362
1F3	AB	Female	35 to 34	2386.90299
1F4	AB	Female	35 to 44	1936.76667
1F5	AB	Female	45 to 54	2101.37405
1F6	AB	Female	55+	2895.44693
2M1	BC	Male	16 to 19	1588.05970
2M2	BC	Male	20 to 24	1272.54310
2M3	BC	Male	35 to 34	2254.55882
2M4	BC	Male	35 to 44	1696.42857
2M5	BC	Male	45 to 54	2499.16031
2M6	BC	Male	55+	2858.57708
2F1	BC	Female	16 to 19	1799.71429
2F2	BC	Female	20 to 24	1283.89908
2F3	BC	Female	35 to 34	2280.36765

KEY	Region	Sex	Age	Weight
2F4	BC	Female	35 to 44	1786.11765
2F5	BC	Female	45 to 54	2031.10465
2F6	BC	Female	55+	3143.73047
3M1	MB	Male	16 to 19	1702.20000
3M2	MB	Male	20 to 24	871.86275
3M3	MB	Male	35 to 34	2957.93103
3M4	MB	Male	35 to 44	1726.52174
3M5	MB	Male	45 to 54	2391.57143
3M6	MB	Male	55+	3785.66667
3F1	MB	Female	16 to 19	1772.88889
3F2	MB	Female	20 to 24	961.25000
3F3	MB	Female	35 to 34	2391.66667
3F4	MB	Female	35 to 44	2189.45946
3F5	MB	Female	45 to 54	2849.50000
3F6	MB	Female	55+	3720.86538
4M1	NB	Male	16 to 19	2389.14286
4M2	NB	Male	20 to 24	818.46154
4M3	NB	Male	35 to 34	1078.10811
4M4	NB	Male	35 to 44	835.37037
4M5	NB	Male	45 to 54	1410.00000
4M6	NB	Male	55+	2440.00000
4F1	NB	Female	16 to 19	1576.00000
4F2	NB	Female	20 to 24	1008.25000
4F3	NB	Female	35 to 34	1135.27778
4F4	NB	Female	35 to 44	1085.34091
4F5	NB	Female	45 to 54	1365.83333
4F6	NB	Female	55+	3149.11111
5M1	NL	Male	16 to 19	621.33333
5M2	NL	Male	20 to 24	773.33333
5M3	NL	Male	35 to 34	912.25806
5M4	NL	Male	35 to 44	920.44118
5M5	NL	Male	45 to 54	858.15217
5M6	NL	Male	55+	1504.74576
5F1	NL	Female	16 to 19	2124.00000
5F2	NL	Female	20 to 24	475.34483
5F3	NL	Female	35 to 34	793.78378
5F4	NL	Female	35 to 44	771.59091
5F5	NL	Female	45 to 54	836.20000
5F6	NL	Female	55+	1708.07018
6M1	NS	Male	16 to 19	1049.60000

KEY	Region	Sex	Age	Weight
6M2	NS	Male	20 to 24	760.67568
6M3	NS	Male	35 to 34	2163.33333
6M4	NS	Male	35 to 44	1439.16667
6M5	NS	Male	45 to 54	1745.65789
6M6	NS	Male	55+	2525.73770
6F1	NS	Female	16 to 19	1819.27273
6F2	NS	Female	20 to 24	823.82353
6F3	NS	Female	35 to 34	1622.27273
6F4	NS	Female	35 to 44	908.73016
6F5	NS	Female	45 to 54	1548.58696
6F6	NS	Female	55+	2381.21622
7M1	ON	Male	16 to 19	2347.74648
7M2	ON	Male	20 to 24	1740.74144
7M3	ON	Male	35 to 34	2782.93831
7M4	ON	Male	35 to 44	2774.88176
7M5	ON	Male	45 to 54	3245.06689
7M6	ON	Male	55+	4318.44671
7F1	ON	Female	16 to 19	3434.26087
7F2	ON	Female	20 to 24	2098.89423
7F3	ON	Female	35 to 34	3041.31034
7F4	ON	Female	35 to 44	2853.01917
7F5	ON	Female	45 to 54	2658.29870
7F6	ON	Female	55+	4595.41053
8M1	PEI	Male	16 to 19	272.92308
8M2	PEI	Male	20 to 24	190.86957
8M3	PEI	Male	35 to 34	206.52778
8M4	PEI	Male	35 to 44	232.00000
8M5	PEI	Male	45 to 54	279.86111
8M6	PEI	Male	55+	465.50000
8F1	PEI	Female	16 to 19	374.66667
8F2	PEI	Female	20 to 24	248.82353
8F3	PEI	Female	35 to 34	156.27451
8F4	PEI	Female	35 to 44	206.51163
8F5	PEI	Female	45 to 54	206.44231
8F6	PEI	Female	55+	343.57143
9M1	QC	Male	16 to 19	1669.10476
9M2	QC	Male	20 to 24	1061.34454
9M3	QC	Male	35 to 34	2985.02959
9M4	QC	Male	35 to 44	2505.66351
9M5	QC	Male	45 to 54	3493.74233

KEY	Region	Sex	Age	Weight
9M6	QC	Male	55+	5971.16114
9F1	QC	Female	16 to 19	1720.44898
9F2	QC	Female	20 to 24	1109.86547
9F3	QC	Female	35 to 34	2532.25000
9F4	QC	Female	35 to 44	2327.62115
9F5	QC	Female	45 to 54	3697.33766
9F6	QC	Female	55+	7470.96354
10M1	SK	Male	16 to 19	924.80000
10M2	SK	Male	20 to 24	621.89655
10M3	SK	Male	35 to 34	1416.36364
10M4	SK	Male	35 to 44	1160.25424
10M5	SK	Male	45 to 54	1380.20000
10M6	SK	Male	55+	2529.83051
10F1	SK	Female	16 to 19	3298.00000
10F2	SK	Female	20 to 24	1132.83333
10F3	SK	Female	35 to 34	1794.18605
10F4	SK	Female	35 to 44	1480.10870
10F5	SK	Female	45 to 54	1485.42553
10F6	SK	Female	55+	2542.69231
11M1	Territories	Male	16 to 19	3204.00000
11M2	Territories	Male	20 to 24	420.00000
11M3	Territories	Male	35 to 34	431.90476
11M4	Territories	Male	35 to 44	380.25000
11M5	Territories	Male	45 to 54	406.31579
11M6	Territories	Male	55+	276.34146
11F1	Territories	Female	16 to 19	757.00000
11F2	Territories	Female	20 to 24	774.00000
11F3	Territories	Female	35 to 34	542.94118
11F4	Territories	Female	35 to 44	275.00000
11F5	Territories	Female	45 to 54	401.05263
11F6	Territories	Female	55+	414.00000

### 3.2 The Design Effect Calculation

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Introducing weighting generates a design effect that can be attributed to weight variation. This effect increases the sampling error in comparison to the random sampling without weighting.

The following table presents the design effect (the effect of the sampling plan on the statistical power of the sample) for each region separately as well as for the entire sample. Also, this table shows the size of an “efficient” sample, which corresponds to the size of the random sample which would have the same precision degree. For the total sample, the variation of the sampling fractions comes from the fact that a certain number of interviews were completed in each region regardless of their size.

### 3.3 Design Effect and Efficient Size of the Sample

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**Table 4: Design effect for sample**

Province	Mean of weights	N	Standard deviation	Design effect	Usable sample size	Margin of error
Alberta	2180.3493	1503	527.0946	1.05844198	1420	2.6 %
British Columbia	2206.1520	1790	607.3892	1.075798968	1664	2.4 %
Manitoba	2298.0948	446	994.4615	1.187257868	376	5.1 %
New Brunswick	1525.4830	416	755.2423	1.245108214	334	5.4 %
Newfoundland and Labrador	1027.6379	429	398.1141	1.150084193	373	5.1 %
Nova Scotia	1634.2222	483	631.1463	1.149155029	420	4.8 %
Ontario	3154.3784	3541	869.6449	1.07600747	3291	1.7 %
Prince Edward Island	268.0656	444	93.0529	1.120497489	396	4.9 %
Quebec	3078.5737	2203	1915.7309	1.387230796	1588	2.5 %
Saskatchewan	1580.2418	555	641.4863	1.164788791	476	4.5 %
Territories (NT, NU, YT)	403.8009	213	223.9773	1.307661528	163	7.8 %
<b>Canada</b>	<b>2424.6727</b>	<b>12023</b>	<b>894.1736</b>	<b>1.135999541</b>	<b>10501</b>	<b>1.0 %</b>



## 4.0 Data Cleaning and Guidelines for Analysis and Release

### 4.1 Data Cleaning and Coding

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After the data collection was completed, data cleaning was performed to ensure high quality results. As was done in the 2018 survey, questions were made voluntary (not required) instead of adding an opt-out option. This was to allow respondents to advance past any questions they did not wish to answer (with the exception of age, which was required). During data cleaning, respondents who refused to provide an answer were recoded to "Prefer not to say".

The next step was to perform any necessary data coding. A detailed scale was used to describe quantities across the survey. Once data collection was completed, these scales were transformed into metric questions for ease of analysis. The metric question type simplifies the analysis by easily providing measures of mean, median, etc. For this recoding of scales into a metric value, the recoding used the same logic as in the 2018 Canadian Cannabis Survey, for consistency and comparability of results. The scale used was the same as in the previous phase of the project, except for the cannabis oil for oral use, which offered different options than in previous cycles. The recode scale used for this was provided by Health Canada.

A recode was completed for four survey questions based on the "Other, please specify" responses. These questions asked about the type of vehicle respondents drove after partaking in substances (Q52a, Q53a, Q54a and Q55a). In reviewing the data, it was found that the response level in the survey said "car" and respondents entered responses of "truck" and "SUV" in the "Other, please specify". These were recoded back into the "car" level after confirmation was received from Health Canada.

A review of open-ended responses was also performed as part of the data cleaning. Any "other" responses were recoded into existing categories when appropriate. A coding guide was created for answers that had sufficient numbers of mentions to be added in as a new response level. Specific verbatim themes that did not have a sufficient number of mentions were left in the "other" category.

## 4.2 Guidelines for the Analysis and the Use of Weights

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When doing an analysis, it is important to align the analysis plan with the weighting scheme. The weights adjust the data to better reflect the population based on parameters that have been chosen to maximize the level of detail without creating distortions due to extreme weights (an extreme weight will occur when a population group is represented by a proportionally smaller subset of respondents compared to other population groups, thus introducing an important risk of bias due to their specific profile).

For this study, the basic sociodemographic information that should be used in analysis of results are:

- Provinces and territories
- Age: 16 to 19, 20 to 24, 25 to 34, 35 to 44, 45 to 54, and 55+ or any unaltered grouping of these ranges (i.e., 16 to 24 or 35 to 54)
- Sex: male or female

Using age groupings other than the ones described above for these sociodemographic categories could potentially produce distorted data. As these results would be inaccurate based on how the weights were calculated, we strongly advise not to report any results that are not aligned with these specified categories.

In the provided data file, the variable to be used to weight the data is called "weight". In this case, it was decided to project to the total population, around 28 million Canadian residents (per the 2016 Statistics Canada Census).

Any results with an unweighted base of 30 respondents or fewer should not be reported on, due to statistical robustness. Results with more than 30 but fewer than 50 respondents should be interpreted with caution, and considered as directional guidelines. Results based on 50 or more respondents have not been noted in any way. The reason for suppressing results with small base sizes is due to the increased coefficient of variation and, hence, there are larger confidence intervals around results with smaller bases.

For all estimates, the following guidelines for data suppression related to coefficients of variation (CV) should be used when reporting results:

CV <sup>4</sup> range	Estimate Stability
0 – 16.5	Acceptable, the estimate stable
16.6 – 33.3	Marginal, the estimate has moderate sampling variability and should be interpreted with caution
>33.3	Unacceptable, the estimate is unstable and should be suppressed

---

<sup>4</sup> CV= (standard error / coefficient) \* 100 where the coefficient is either the regression coefficient or the proportion estimate.

# Appendices

## Appendix A: Response Rate Calculation

	<b>TOTAL</b>	<b>%</b>
GENERATED	230038	100.0%
<b>USED</b>	<b>230038</b>	<b>100.0%</b>
Not in service	51275	22.3%
Not residential	1948	0.8%
Line problem	1964	0.9%
Fax	230	0.1%
Wrong number	69	0.0%
<b>A NOT VALID<sup>5</sup></b>	<b>55486</b>	<b>24.1%</b>
<b>VALID</b>	<b>174552</b>	<b>75.9%</b>
Not eligible	2596	1.5%
Language barrier	870	0.5%
Age – Illness	134	0.1%
Other	69	0.0%
<b>B NOT SAMPLE<sup>6</sup></b>	<b>3669</b>	<b>1.6%</b>
<b>SAMPLE<sup>7</sup></b>	<b>170883</b>	<b>74.3%</b>
<b>C Household refusal</b>	<b>37919</b>	<b>22.2%</b>
Multiple household refusal	9	0.0%
<b>D Respondent refusal</b>	<b>22186</b>	<b>13.0%</b>
Multiple respondent refusal	65	0.0%
<b>D FINAL refusal</b>	<b>795</b>	<b>0.5%</b>
<b>D Prolonged absence</b>	<b>23</b>	<b>0.0%</b>
<b>D Incomplete</b>	<b>2</b>	<b>0.0%</b>
<b>C No answer</b>	<b>83611</b>	<b>48.9%</b>
<b>D Appointments</b>	<b>4948</b>	<b>2.9%</b>
<b>Completed interviews</b>	<b>21325</b>	<b>12.5%</b>

  

<b>% REFUSAL<sup>8</sup></b>	<b>35.7%</b>
<b>% COMPLETED<sup>9</sup></b>	<b>12.5%</b>
<b>ELIGIBILITY RATE<sup>10</sup></b>	<b>97.1%</b>
<b>RESPONSE RATE<sup>11</sup></b>	<b>12.7%</b>

<sup>5</sup> No possible contacts at these numbers

<sup>6</sup> Respondents were not eligible or were unable to answer

<sup>7</sup> Useable numbers

<sup>8</sup> Refusal/sample

<sup>9</sup> Completed/sample

<sup>10</sup> D+Completed/B+D+Completed

<sup>11</sup> Completed/C\*(E.R.)+D+Completed

## Appendix B: Political Neutrality Requirement

### Political neutrality certification

I hereby certify as Senior Officer of Advanis 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: 

Nicolas Toutant, Vice-President, Research and Evaluation

## Appendix C: Questionnaire

# Cannabis 2019 Web

Government of Canada

Generated on 2019-06-19 at 11:47:21 MT



**Languages:** English, French

## Section SurveyIntroduction

Intro1, i, ii, iii, iv, v, vi, vii, viii, viiia, ix, ixa, ixb, x, xa, xi, xii, xiii, xiv

---

### Page Introduction

#### Intro1

Health Canada is conducting this research survey on knowledge about and use of cannabis. Advanis has been hired to administer the survey. [Si vous préférez répondre au sondage en français, veuillez cliquer sur le bouton FRANÇAIS ci-dessus.](#)

The survey takes between 5 and 20 minutes to complete and is voluntary and completely confidential. Your answers will remain anonymous.

If you wish to verify the authenticity of this survey please email: [hc.odss-bssd.sc@canada.ca](mailto:hc.odss-bssd.sc@canada.ca) (<mailto:hc.odss-bssd.sc@canada.ca>)

The survey automatically moves to the next question when possible, however in some cases you need to press the right arrow button at the bottom of the screen to move to the next question. This button will not appear until you have answered the question.

To change previous answers you can press the left arrow button at the bottom of the screen. Some questions provide further information if you press the following symbol:

If you need to stop the survey at any point you can return at a later time and the survey will continue where you left off.

For help you can contact 1-888-944-9212.

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## Page Demographics

i

What is your age?

*An answer is required*

- 15 \_\_TREE\_QUESTION\_\_
- 16 16 to 19|16
- 17 16 to 19|17
- 18 16 to 19|18
- 19 16 to 19|19
- 20 20 to 29|20
- 21 20 to 29|21
- 22 20 to 29|22
- 23 20 to 29|23
- 24 20 to 29|24
- 25 20 to 29|25
- 26 20 to 29|26
- 27 20 to 29|27
- 28 20 to 29|28
- 29 20 to 29|29
- 30 30 to 39|30
- 31 30 to 39|31
- 32 30 to 39|32
- 33 30 to 39|33
- 34 30 to 39|34
- 35 30 to 39|35
- 36 30 to 39|36
- 37 30 to 39|37
- 38 30 to 39|38
- 39 30 to 39|39
- 40 40 to 49|40
- 41 40 to 49|41
- 42 40 to 49|42
- 43 40 to 49|43
- 44 40 to 49|44
- 45 40 to 49|45
- 46 40 to 49|46
- 47 40 to 49|47
- 48 40 to 49|48
- 49 40 to 49|49
- 50 50 to 59|50
- 51 50 to 59|51
- 52 50 to 59|52

- 53 50 to 59|53
- 54 50 to 59|54
- 55 50 to 59|55
- 56 50 to 59|56
- 57 50 to 59|57
- 58 50 to 59|58
- 59 50 to 59|59
- 60 60 to 69|60
- 61 60 to 69|61
- 62 60 to 69|62
- 63 60 to 69|63
- 64 60 to 69|64
- 65 60 to 69|65
- 66 60 to 69|66
- 67 60 to 69|67
- 68 60 to 69|68
- 69 60 to 69|69
- 70 70 and older|70
- 71 70 and older|Older than 70

**ii**

Is there anyone living in your home that is under the age of 18?

- 1 Yes
- 2 No

**iii** *Show if ii Yes someone in household under 18*

Are you the guardian and/or parent of **any** of the person(s) under the age of 18?

- 1 Yes
- 2 No

**iv**

What was your sex at birth?

- 1 Male
- 2 Female
- 8 Prefer not to say

**v**

What is your gender?



Refers to current gender which may be different from sex assigned at birth and may be different from what is indicated on legal documents.

- 1 Man
- 2 Woman
- 3 Other gender (please specify): \_\_\_\_\_
- 8 Prefer not to say

**vi**

What is your sexual orientation? Is it:

- 1 Heterosexual (straight)
- 2 Homosexual (lesbian or gay)
- 3 Bisexual
- 4 Other (please specify): \_\_\_\_\_
- 8 Prefer not to answer

**vii**

In which province or territory do you currently live?

- 1 Alberta (AB)
- 2 British Columbia (BC)
- 3 Manitoba (MB)
- 4 New Brunswick (NB)
- 5 Newfoundland and Labrador (NL)
- 6 Northwest Territories (NT)
- 7 Nova Scotia (NS)
- 8 Nunavut (NU)
- 9 Ontario (ON)
- 10 Prince Edward Island (PE)
- 11 Quebec (QC)
- 12 Saskatchewan (SK)
- 13 Yukon (YT)

**viii**

Are you currently attending a school, college, CEGEP or university?

- 1 Yes
- 2 No

**viiia** *Show if viii Yes attending school*

What type of educational institution are you attending?

- 1 Elementary, junior high school or high school
- 2 Trade school, college, CEGEP or other non-university institution

3 University

**ix**

Last week, did you work at a job or business?

(Regardless of the number of hours)

1 Yes

2 No

**ixa** *Show if ix Did not work last week*

Last week, did you have a job or business from which you were absent?

1 Yes

2 No

**ixb** *Show if ix is Yes or ixa is Yes*

Does your job include any of the following hazardous or safety-sensitive tasks at least once a week?

1. Driving a motor vehicle \*
2. Operating or working in proximity to equipment, machinery, or tools \*
3. Working from heights 2 metres or more above ground \*
4. Working with or where hazardous substances are present (e.g., chemicals, flammable liquids, gases) \*
5. Sharps work (e.g., needles, scalpels, scissors, knives) \*
6. Working near hot objects and surfaces, open flames, or steam \*
7. Electrical work that may be a source of electrical shock \*
8. Manual handling of loads greater than 20kg \*
9. Working where flying particles or falling objects could cause bodily injury \*

*Levels marked with \* are randomized*

1 Yes

2 No

**x**

Were you born in Canada?

1 Yes

2 No

**xa** *Show if X is No*

How long have you lived in Canada?

Minimum: 0, Maximum: 99

\_\_\_\_\_ years

**xi**

In general, how is your physical health?

- 1 Excellent
- 2 Very good
- 3 Good
- 4 Fair
- 5 Poor
- 6 Don't know/not sure

**xii**

In general, how is your mental health?

- 1 Excellent
- 2 Very good
- 3 Good
- 4 Fair
- 5 Poor
- 6 Don't know/not sure

**xiii**

What is the highest certificate, diploma or degree that you have completed?

- 1 Less than high school diploma or its equivalent
- 2 High school diploma or a high school equivalency certificate
- 3 Trade certificate or diploma
- 4 College, CEGEP, or other non-university certificate or diploma (other than trades certificates or diplomas)
- 5 University certificate or diploma below the bachelor's level
- 6 Bachelor's degree (e.g., B.A, B.Sc., LL.B.)
- 7 University certificate, diploma or degree above the bachelor's level

**xiv**

What is your best estimate of your total household income received by all household members, from all sources, before taxes and deductions, during the year ending December 31, 2018?

- 1 Less than \$10,000
- 2 \$10,000 to less than \$25,000
- 3 \$25,000 to less than \$50,000
- 4 \$50,000 to less than \$75,000
- 5 \$75,000 to less than \$100,000
- 6 \$100,000 to less than \$125,000
- 7 \$125,000 to less than \$150,000

- 8 \$150,000 or more
- 8 Prefer not to say

## Section NonMedical

MainIntro, Q1, Q2, Q3, Q4, Q6a, Q6b, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17a, Q17b, Q18, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32, Q33a, Q33b, Q33c, Q33d, Q33e, Q33f, Q33g, Q33h, Q33i, Q34, Q35, Q36, Q37, Q38, Q39, Q40, Q41, Q42, Q43, Q44a1, Q44b1, Q44a2, Q44b2, Q44a3, Q44b3, Q44a4, Q44b4, Q44a5, Q44b5, Q44a6, Q44b6, Q44a7, Q44b7, Q44a8, Q44b8, Q44a9, Q44b9, Q45, Q46, Q47, Q48, Q49, Q50, Q50a, Q51, Q51a, Q51b, Q52, Q52a, Q52b, Q53, Q53a, Q53b, Q54, Q54a, Q54b, Q55, Q55a, Q55b, Q56, Q57, Q58, Q59, Q60, Q61, Q62, Q63, Q64, Q65, Q66, Q67, Q68, Q69, Q70, Q71, Q72, Q73, Q74

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## Page NonMed

### MainIntro

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, but not synthetic cannabinoids.

When we ask about use, this includes using cannabis in its dry form or when mixed or processed into another product such as an edible, an extract, a concentrate, including hashish, a liquid, or other product.

By **non-medical** purposes we mean recreational (e.g., for enjoyment, pleasure, amusement), socially, for spiritual, lifestyle and other similar non-medical uses.

By **medical** purposes we mean used to treat a disease/disorder or to improve symptoms associated with a disease/disorder.

### Q1

How socially acceptable do you think it is for a person to use the following substances **occasionally?**

1. Alcohol \*
2. Tobacco (cigarette/cigar/smokeless tobacco) \*
3. E-cigarettes (vaping a liquid with nicotine) \*
4. Smoking cannabis for non-medical purposes \*
5. Vaporizing cannabis for non-medical purposes \*
6. Eating cannabis for non-medical purposes \*

*Levels marked with \* are randomized*

- 1 Completely acceptable
- 2 Somewhat acceptable
- 3 Somewhat unacceptable
- 4 Completely unacceptable

- 5 No opinion

## Q2

How socially acceptable do you think it is for a person to use the following substances **regularly**?

1. Alcohol \*
2. Tobacco (cigarette/cigar/smokeless tobacco) \*
3. E-cigarettes (vaping a liquid with nicotine) \*
4. Smoking cannabis for non-medical purposes \*
5. Vaporizing cannabis for non-medical purposes \*
6. Eating cannabis for non-medical purposes \*

*Levels marked with \* are randomized*

- 1 Completely acceptable
- 2 Somewhat acceptable
- 3 Somewhat unacceptable
- 4 Completely unacceptable
- 5 No opinion

## Q3

Are you more willing to publicly say whether you use cannabis for **non-medical** purposes now that the new cannabis law is in effect (October 17, 2018)?

- 1 Yes, I am more willing to publicly say whether I use cannabis for non-medical purposes
- 2 No, I was already willing to publicly say whether I use cannabis for non-medical purposes
- 3 No, I am not more willing to publicly say whether I use cannabis for non-medical purposes
- .9 Don't know/Not sure

## Q4

How much do you think people risk harming themselves when they do each of the following activities?

1. Drink alcohol once in a while
2. Drink alcohol on a regular basis
3. Smoke tobacco once in a while
4. Smoke tobacco on a regular basis
5. Use an e-cigarette with nicotine once in a while
6. Use an e-cigarette with nicotine on a regular basis
7. Smoke cannabis once in a while
8. Smoke cannabis on a regular basis
9. Vaporizing cannabis once in a while
10. Vaporizing cannabis on a regular basis
11. Eating cannabis once in a while
12. Eating cannabis on a regular basis

- 1 No risk
- 2 Slight risk
- 3 Moderate risk
- 4 Great risk
- 5 I do not know

**Q6a**

Since the new cannabis law came into effect (October 17, 2018), have you seen the health warnings messages on cannabis products/packages or on Health Canada’s website?

- 1 Yes
- 2 No
- .8 Prefer not to say
- .9 Don't know/Not sure

**Q6b** *Show if Q6a Yes to seeing health warning messages on products*

Have the health warning messages increased your knowledge of the harms related to cannabis use?

- 1 Yes
- 2 No
- 3 Somewhat
- .9 Don't know/Not sure

**Q7**

Since the new cannabis law came into effect (October 17, 2018), have you seen/heard **education campaigns, public health or safety messages** about cannabis in any of the following places?

*Select all that apply.*

- 1 School (e.g., university campus)
- 2 Social media (e.g., twitter, YouTube)
- 3 Non-social media websites
- 4 Events (e.g., sporting events, concerts, festivals or markets)
- 5 Kiosks or temporary sales locations (in shopping centers or on the street)
- 6 Inside/outside legal stores that sell cannabis
- 7 Public display of posters or billboards (e.g., in public transit, at bars/restaurants)
- 8 Health care setting (e.g., pharmacy, doctors office)
- 9 Print newspapers or magazines
- 10 TV/radio
- 11 Inside/outside illegal stores that sell cannabis
- 12 Other (please specify) \_\_\_\_\_
- 13 I have not noticed any education campaigns or public health messages *(Exclusive)*

### Q8

Since the new cannabis law came into effect (October 17, 2018), has your knowledge of the harms related to cannabis increased?

- 1 Yes
- 2 No
- 3 Somewhat
- .9 Don't know/Not sure

### Q9

Do you **agree** or **disagree** with the following statement:

I have access to enough trustworthy information about the health risks of cannabis use to make informed decisions.

- 1 Strongly agree
- 2 Somewhat agree
- 3 Neither agree nor disagree
- 4 Somewhat disagree
- 5 Strongly disagree

### Q10

Based on what you know or believe...

1. Can cannabis smoke be harmful?
2. Can it be harmful to use cannabis when pregnant or breastfeeding?
3. Can frequent use of cannabis increase the risk of mental health problems?
4. Are teenagers at greater risk of harm from using cannabis than adults?

- 1 Yes
- 2 No
- .9 Don't know/Not sure

### Q11

Since the new cannabis law came into effect (October 17, 2018), have you noticed a change in the number of people using cannabis in public places (e.g., street, park, alley, mall, etc.)?

- 1 Yes, I have noticed **more** people using cannabis in public places
- 2 Yes, I have noticed **fewer** people using cannabis in public places
- 3 No, I have not noticed a change in the amount of people using cannabis in public places

### Q12

In the **past 12 months**, how have people, including yourself, used cannabis inside your home?

*Select all that apply*

- 1 Cannabis was smoked

- 2 Cannabis was vaporized
- 3 Cannabis was eaten or drank
- 4 Cannabis was used in another way (please specify):  
\_\_\_\_\_
- 5 No one used cannabis in my home (Exclusive)

### Q13

Do you think that using cannabis can become habit forming for some people?

- 1 Yes
- 2 No
- .9 Don't know/Not sure

### Q14

In your opinion, does using cannabis for **non-medical** purposes impair one's ability to drive or operate a motor vehicle?

- 1 Yes
- 2 No
- 3 It depends (please specify) \_\_\_\_\_
- .9 Don't know/Not sure

### Q15

As far as you know, when is it safe for someone to drive a motor vehicle after using cannabis for **non-medical** purposes?

- 1 Immediately
- 2 30 minutes to just under 1 hour
- 3 1 hour to just under 3 hours
- 4 3 hours to just under 5 hours
- 5 5 hours to just under 7 hours
- 6 7 hours to 8 hours
- 7 More than 8 hours after
- 8 Depends on each person/weight/quantity and method of consumption
- 9 Other (please specify) \_\_\_\_\_
- .9 Don't know/Not sure

### Q16

How likely do you think it is that a person will be caught by police if they drive while under the influence of the following substances?

1. Driving under the influence of alcohol
2. Driving under the influence of cannabis



- 1 Not at all likely
- 2 Not likely
- 3 Somewhat likely
- 4 Likely
- 5 Extremely likely

**Q17a**

Have you ever been a passenger in a motor vehicle (e.g., car, snowmobile, motor boat or all-terrain vehicle (ATV)) driven by someone who had used cannabis for **non-medical** purposes within 2 hours before driving?

- 1 Yes
- 2 No
- 9 Don't know/Not sure

**Q17b** *Show if Q17a Yes passenger in vehicle*

When did this last happen?

- 1 Within the past 30 days
- 2 Within the past 12 months
- 3 More than 12 months ago

**Q18**

During your **lifetime** have you ever used cannabis for **non-medical** purposes?

- 1 Yes, just once
- 2 Yes, more than once
- 3 No

**Q19** *Show if Q18 Used nonmedical in lifetime*

How old were you when you first tried or started using cannabis for **non-medical** purposes?

- 3 \_\_TREE\_QUESTION\_\_
- 4 < 10|< 5
- 5 < 10|5
- 6 < 10|6
- 7 < 10|7
- 8 < 10|8
- 9 < 10|9
- 10 10 to 19|10
- 11 10 to 19|11
- 12 10 to 19|12
- 13 10 to 19|13
- 14 10 to 19|14

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- 41 40 to 49|41
- 42 40 to 49|42
- 43 40 to 49|43
- 44 40 to 49|44
- 45 40 to 49|45
- 46 40 to 49|46
- 47 40 to 49|47
- 48 40 to 49|48
- 49 40 to 49|49
- 50 50 to 59|50
- 51 50 to 59|51
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- 58 50 to 59|58

- 59 50 to 59|59
- 60 60 to 69|60
- 61 60 to 69|61
- 62 60 to 69|62
- 63 60 to 69|63
- 64 60 to 69|64
- 65 60 to 69|65
- 66 60 to 69|66
- 67 60 to 69|67
- 68 60 to 69|68
- 69 60 to 69|69
- 70 70 and older|70
- 71 70 and older|Older than 70
- .9 Don't know/Not sure

**Q20**

In the **past 12 months**, have you used cannabis for **medical** purposes (used to treat disease/disorder or improve symptoms)?

- 1 Yes, **with a medical document** from a healthcare professional
- 2 Yes, **without a medical document** from a healthcare professional
- 3 No

**Q21** *Show if Q18 Used nonmedical in lifetime*

In the **past 12 months**, have you used cannabis for **non-medical** purposes?

- 1 Yes
- 2 No

**Q22** *Show if Q18 Not used in lifetime*

Do you intend to use cannabis for **non-medical** purposes now that the new cannabis law is in effect (October 17, 2018)?

- 1 Yes
- 2 No
- 8 Prefer not to say
- 9 Don't know/Not sure

**Q23** *Show if Q21 Is NonMedical User past 12 months*

Did you start using cannabis for **non-medical** purposes on or after the implementation of the new cannabis law (October 17th, 2018)?

- 1 Yes
- 2 No

- .8 Prefer not to say
- .9 Don't know/Not sure

**Q24** *Show if Q23 Is No or Prefer not to answer or Don't know*

Are you using a different amount of cannabis for **non-medical** purposes now that the new cannabis law is in effect (October 17, 2018)?

- 1 I use more
- 2 I use less
- 3 I use the same amount
- .8 Prefer not to say
- .9 Don't know/Not sure

**Q25** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, how often did you typically use cannabis for **non-medical purposes**?

- 1 Less than 1 day per month
- 2 1 day per month
- 3 2 or 3 days per month
- 4 1 or 2 day(s) per week
- 5 3 or 4 days per week
- 6 5 or 6 days per week
- 7 Daily

**Q26** *Show if Q21 Is NonMedical User past 12 months*

In the **past 30 days**, have you used cannabis for **non-medical** purposes?

- 1 Yes
- 2 No

**Q27** *Show if Q26 Is NonMedical User Past 30 Days*

In the **past 30 days**, how often did you use cannabis for **non-medical** purposes?

- 1 1 day
- 2 2 or 3 days
- 3 1 or 2 day(s) per week
- 4 3 or 4 days per week
- 5 5 or 6 days per week
- 6 Daily

**Q28** *Show if Q26 Is NonMedical User Past 30 Days*

In the **past 30 days**, how many hours where you “stoned” or “high” on a typical day when you had been using cannabis for **non-medical** purposes?

- 1 Less than 1 hour
- 2 1 or 2 hour(s)
- 3 3 or 4 hours
- 4 5 or 6 hours
- 5 7 or more hours

**Q29** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, did you use the following method to consume cannabis for non-medical purposes?

*Select all that apply*

- 1 Smoked (e.g., a joint, bong, pipe or blunt)
- 2 Eaten it in food (e.g., brownies, cakes, cookies or candy)
- 3 Drank it (e.g., tea, cola, alcohol, other drinks)
- 4 Vaporized it with a vaporizer (non-portable)
- 5 Vaporized it with a vape pen or e-cigarette (portable)
- 6 Dabbing (e.g., including hot knife/nail)
- 7 Used it some other way (e.g., tinctures, applied directly to skin) (please specify):  
\_\_\_\_\_

**Q30** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, have you used the following cannabis products for **non-medical** purposes?

*Select all that apply*

- 1 Dried flower/leaf
- 2 Hashish/kief
- 3 Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle
- 4 Cannabis vape pens/cartridges
- 5 Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil
- 6 Cannabis edible food products – e.g., cookies, candy
- 7 Cannabis beverages – e.g., cola, tea, coffee
- 8 Topicals – e.g., lotion, ointment, creams applied to skin
- 9 Other (e.g., seeds, cannabis tincture, suppository, etc.) (please specify):  
\_\_\_\_\_

**Q31** *Show if Q21 Is NonMedical User past 12 months*

When choosing cannabis products for **non-medical** purposes, what levels of THC and CBD do you typically use?

- 1 Higher THC, Lower CBD
- 2 Higher CBD, Lower THC

- <sub>3</sub> Equal levels of THC and CBD
- <sub>4</sub> Other (please specify): \_\_\_\_\_
- <sub>-8</sub> Prefer not to say
- <sub>-9</sub> Don't know/Not sure

**Q32** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, how often have you used the following cannabis products for **non-medical** purposes?

1. Dried flower/leaf *(Show if Q30 1 Used Dried flower past 12 months)*
  2. Hashish/kief *(Show if Q30 2 Used Hashish kief past 12 months)*
  3. Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle  
*(Show if Q30 3 Used Cannabis oil for oral use past 12 months)*
  4. Cannabis vape pens/cartridges *(Show if Q30 4 Used Cannabis vape pens past 12 months)*
  5. Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil *(Show if Q30 5 Used Cannabis concentrate past 12 months)*
  6. Cannabis edible food products – e.g., cookies, candy *(Show if Q30 6 Used Cannabis edibles past 12 months)*
  7. Cannabis beverages – e.g., cola, tea, coffee *(Show if Q30 7 Used Cannabis beverages past 12 months)*
  8. Topicals – e.g., lotion, ointment, creams applied to skin *(Show if Q30 8 Used Topicals past 12 months)*
  9. Other: <<Q30.specify(9)>> *(Show if Q30 9 Used Other past 12 months)*
- 
- <sub>1</sub> Less than 1 day per month
  - <sub>2</sub> 1 day per month
  - <sub>3</sub> 2 or 3 days per month
  - <sub>4</sub> 1 or 2 day(s) per week
  - <sub>5</sub> 3 or 4 days per week
  - <sub>6</sub> 5 or 6 days per week
  - <sub>7</sub> Daily

**Q33a** *Show if Q30 1 Used Dried flower past 12 months*

On the days that you used:

**Dried flower/leaf**

How much did you typically use in a day?

*Please select the amount closest to what you typically use*

- <sub>1</sub> \_\_TREE\_QUESTION\_\_
- <sub>2</sub> 50mg (1/20g) to 500mg (1/2g)|50 mg (1/20g)
- <sub>3</sub> 50mg (1/20g) to 500mg (1/2g)|100mg (1/10g)
- <sub>4</sub> 50mg (1/20g) to 500mg (1/2g)|125mg (1/8g)
- <sub>5</sub> 50mg (1/20g) to 500mg (1/2g)|250mg (1/4g)
- <sub>6</sub> 50mg (1/20g) to 500mg (1/2g)|500mg (1/2g)
- <sub>7</sub> 1g to 3.5g (1/8oz)|1g

- 8 1g to 3.5g (1/8oz)|1.5g
- 9 1g to 3.5g (1/8oz)|2g
- 10 1g to 3.5g (1/8oz)|2.5g
- 11 1g to 3.5g (1/8oz)|3g
- 12 1g to 3.5g (1/8oz)|3.5g (1/8oz)
- 13 4g to 8g|4g
- 14 4g to 8g|5g
- 15 4g to 8g|6g
- 16 4g to 8g|7g (1/4oz)
- 17 4g to 8g|8g
- 18 9g to 13g|9g
- 19 9g to 13g|10g
- 20 9g to 13g|11g
- 21 9g to 13g|12g
- 22 9g to 13g|13g
- 23 14g (1/2oz) to 18g|14g (1/2oz)
- 24 14g (1/2oz) to 18g|15g
- 25 14g (1/2oz) to 18g|16g
- 26 14g (1/2oz) to 18g|17g
- 27 14g (1/2oz) to 18g|18g
- 28 19g to 23g|19g
- 29 19g to 23g|20g
- 30 19g to 23g|21g (3/4oz)
- 31 19g to 23g|22g
- 32 19g to 23g|23g
- 33 24g to >28g (1oz)|24g
- 34 24g to >28g (1oz)|25g
- 35 24g to >28g (1oz)|26g
- 36 24g to >28g (1oz)|27g
- 37 24g to >28g (1oz)|28g (1oz)
- 38 24g to >28g (1oz)|>28g (1oz)

**Q33b** *Show if Q30 2 Used Hashish kief past 12 months*

On the days that you used:

**Hashish/kief**

How much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 \_\_TREE\_QUESTION\_\_
- 2 50mg (1/20g) to 500mg (1/2g)|50mg (1/20g)
- 3 50mg (1/20g) to 500mg (1/2g)|100mg (1/10g)
- 4 50mg (1/20g) to 500mg (1/2g)|125mg (1/8g)
- 5 50mg (1/20g) to 500mg (1/2g)|250mg (1/4g)

- 6 50mg (1/20g) to 500mg (1/2g)|500mg (1/2g)
- 7 1g to 3g|1g
- 8 1g to 3g|1.5g
- 9 1g to 3g|2g
- 10 1g to 3g|2.5g
- 11 1g to 3g|3g
- 12 3.5g (1/8oz) to 7g (1/4oz)|3.5g (1/8oz)
- 13 3.5g (1/8oz) to 7g (1/4oz)|4g
- 14 3.5g (1/8oz) to 7g (1/4oz)|5g
- 15 3.5g (1/8oz) to 7g (1/4oz)|6g
- 16 3.5g (1/8oz) to 7g (1/4oz)|7g (1/4oz)
- 17 8g to 12g|8g
- 18 8g to 12g|9g
- 19 8g to 12g|10g
- 20 8g to 12g|11g
- 21 8g to 12g|12g
- 22 13g to >14g (1/2oz)|13g
- 23 13g to >14g (1/2oz)|14g (1/2oz)
- 24 13g to >14g (1/2oz)|>14g (1/2oz)

**Q33c** Show if Q30 3 Used Cannabis oil for oral use past 12 months

On the days that you used:

**Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle**

How much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 0 \_\_TREE\_QUESTION\_\_
- 2 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.05ml (1/20ml)
- 3 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.1ml (1/10ml)
- 4 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.125ml (1/8ml)
- 5 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.25ml (1/4ml)
- 6 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.5ml (1/2ml)
- 7 Answer in ml|1ml to 3ml|1ml
- 8 Answer in ml|1ml to 3ml|1.5ml
- 9 Answer in ml|1ml to 3ml|2ml
- 10 Answer in ml|1ml to 3ml|2.5ml
- 11 Answer in ml|1ml to 3ml|3ml
- 12 Answer in ml|3.5ml to 7ml|3.5ml
- 13 Answer in ml|3.5ml to 7ml|4ml
- 14 Answer in ml|3.5ml to 7ml|5ml
- 15 Answer in ml|3.5ml to 7ml|6ml
- 16 Answer in ml|3.5ml to 7ml|7ml
- 17 Answer in ml|>7ml|>7ml



- 18 Answer in sprays|1 to 5 |1 spray
- 19 Answer in sprays|1 to 5 |2 sprays
- 20 Answer in sprays|1 to 5 |3 sprays
- 21 Answer in sprays|1 to 5 |4 sprays
- 22 Answer in sprays|1 to 5 |5 sprays
- 23 Answer in sprays|6 to 10 |6 sprays
- 24 Answer in sprays|6 to 10 |7 sprays
- 25 Answer in sprays|6 to 10 |8 sprays
- 26 Answer in sprays|6 to 10 |9 sprays
- 27 Answer in sprays|6 to 10 |10 sprays
- 28 Answer in sprays|>10 |>10 sprays
- 29 Answer in capsules/softgels|1 to 5 |1 capsule/softgel
- 30 Answer in capsules/softgels|1 to 5 |2 capsules/softgels
- 31 Answer in capsules/softgels|1 to 5 |3 capsules/softgels
- 32 Answer in capsules/softgels|1 to 5 |4 capsules/softgels
- 33 Answer in capsules/softgels|1 to 5 |5 capsules/softgels
- 34 Answer in capsules/softgels|6 to 10 |6 capsules/softgels
- 35 Answer in capsules/softgels|6 to 10 |7 capsules/softgels
- 36 Answer in capsules/softgels|6 to 10 |8 capsules/softgels
- 37 Answer in capsules/softgels|6 to 10 |9 capsules/softgels
- 38 Answer in capsules/softgels|6 to 10 |10 capsules/softgels
- 39 Answer in capsules/softgels|>10 |>10 capsules/softgels

**Q33d** *Show if Q30 4 Used Cannabis vape pens past 12 months*

On the days that you used:

**Cannabis vape pens/cartridges**

How much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 1/30 (A cartridge lasts 30 use days)
- 2 1/20 (A cartridge lasts 21 use days)
- 3 1/15 (A cartridge lasts 14 use days)
- 4 1/10 (A cartridge lasts 10 use days)
- 5 1/7 (A cartridge lasts 7 use days)
- 6 1/6 (A cartridge lasts 6 use days)
- 7 1/5 (A cartridge lasts 5 use days)
- 8 1/4 (A cartridge lasts 4 use days)
- 9 1/3 (A cartridge lasts 3 use days)
- 10 1/2 (A cartridge lasts 2 use days)
- 11 1 (A cartridge lasts 1 use day)

**Q33e** Show if Q30 5 Used Cannabis concentrate past 12 months

On the days that you used:

**Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil**

How much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 10mg (1/100g)
- 2 25mg (1/40g)
- 3 50mg (1/20g)
- 4 100mg (1/10g)
- 5 125mg (1/8g)
- 6 250mg (1/4g)
- 7 500mg (1/2g)
- 8 1g
- 9 1.5g
- 10 2g
- 11 2.5g
- 12 3g
- 13 3.5g (1/8oz)

**Q33f** Show if Q30 6 Used Cannabis edibles past 12 months

On the days that you used:

**Cannabis edible food products – e.g., cookies, candy**

How much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 \_\_TREE\_QUESTION\_\_
- 2 Less than 1 serving|1/8 serving
- 3 Less than 1 serving|1/4 serving
- 4 Less than 1 serving|1/2 serving
- 5 Less than 1 serving|3/4 serving
- 6 1 to 2.5 servings|1 serving
- 7 1 to 2.5 servings|1.5 servings
- 8 1 to 2.5 servings|2 servings
- 9 1 to 2.5 servings|2.5 servings
- 10 3 to 6 servings|3 servings
- 11 3 to 6 servings|3.5 servings
- 12 3 to 6 servings|4 servings
- 13 3 to 6 servings|4.5 servings
- 14 3 to 6 servings|5 servings
- 15 3 to 6 servings|6 servings
- 16 7 to >10 servings|7 servings
- 17 7 to >10 servings|8 servings

- 18 7 to >10 servings|9 servings
- 19 7 to >10 servings|10 servings
- 20 7 to >10 servings|>10 servings

**Q33g** *Show if Q30 7 Used Cannabis beverages past 12 months*

On the days that you used:

**Cannabis beverages – e.g., cola, tea, coffee**

How much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 \_\_TREE\_QUESTION\_\_
- 2 30ml (1/8cup) to 500ml (2cups)|30ml (1/8cup)
- 3 30ml (1/8cup) to 500ml (2cups)|62.5ml (1/4cup)
- 4 30ml (1/8cup) to 500ml (2cups)|125ml (1/2cup)
- 5 30ml (1/8cup) to 500ml (2cups)|187.5ml (3/4cup)
- 6 30ml (1/8cup) to 500ml (2cups)|250ml (1cup)
- 7 30ml (1/8cup) to 500ml (2cups)|375ml (1.5cups)
- 8 30ml (1/8cup) to 500ml (2cups)|500ml (2cups)
- 9 625ml (2.5cups) to 1000ml (1litre) (4cups)|625ml (2.5cups)
- 10 625ml (2.5cups) to 1000ml (1litre) (4cups)|750ml (3cups)
- 11 625ml (2.5cups) to 1000ml (1litre) (4cups)|875ml (3.5cups)
- 12 625ml (2.5cups) to 1000ml (1litre) (4cups)|1000ml (1litre) (4cups)
- 13 1125ml (4.5cups) to 1750ml (7cups)|1125ml (4.5cups)
- 14 1125ml (4.5cups) to 1750ml (7cups)|1250ml (5cups)
- 15 1125ml (4.5cups) to 1750ml (7cups)|1500ml (1.5litres) (6cups)
- 16 1125ml (4.5cups) to 1750ml (7cups)|1750ml (7cups)
- 17 2000ml (2litres) (8cups) to 2500ml (2.5litres) (10cups)|2000ml (2litres) (8cups)
- 18 2000ml (2litres) (8cups) to 2500ml (2.5litres) (10cups)|2250ml (9cups)
- 19 2000ml (2litres) (8cups) to 2500ml (2.5litres) (10cups)|2500ml (2.5litres) (10cups)

**Q33h** *Show if Q30 8 Used Topicals past 12 months*

On the days that you used:

**Topicals – e.g., lotion, ointment, creams applied to skin**

How much did you typically use in a day?

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**Q33i** Show if Q30 9 Used Other past 12 months

On the days that you used:

**Other:** <<Q30.specify(9)>>

How much did you typically use in a day?

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**Q34** Show if Q21 Is NonMedical User past 12 months

In the **past 12 months** from whom did you usually buy or receive the cannabis you used for **non-medical** purposes?

- 1 I grew my own
- 2 It was specifically grown for me
- 3 From a legal storefront
- 4 From a legal online source (Health Canada licensed producer, provincial regulated retailer)
- 5 From an illegal storefront
- 6 From an illegal online source
- 7 It was shared around a group of friends
- 8 From a family member
- 9 From a friend
- 10 From an acquaintance
- 11 From a dealer
- 12 Other
- 8 Prefer not to say

**Q35** Show if Q21 Is NonMedical User past 12 months

Which factor **most** influences from whom you usually buy or receive the cannabis you use for **non-medical** purposes?

- 1 Price
- 2 Quality/safe supply
- 3 Convenience (e.g., hours of operation, delivery)
- 4 Proximity to storefront
- 5 Availability of specific product type (e.g., edibles)
- 6 Access to a specific strain/variety
- 7 Ability to purchase from a legal source
- 8 Anonymity/privacy
- 9 Other (please specify): \_\_\_\_\_

**Q36** *Show if Q21 Is NonMedical User past 12 months*

Since the new cannabis law came into effect ( October 17, 2018), have you bought from a legal/licensed source?

- 1 Yes
- 2 No

**Q37** *Show if Q21 Is NonMedical User past 12 months*

Since the new cannabis law came into effect (October 17, 2018), how do you usually buy or receive the cannabis you use for **non-medical** purposes?

- 1 From a legal retailer storefront
- 2 From a legal retailer by mail order
- 3 Grow at home
- 4 From someone sharing with me
- 5 From an illegal source

**Q38** *Show if Q21 Is NonMedical User past 12 months*

Since the new cannabis law came into effect (October 17, 2018), how often have you intended to buy a cannabis product for **non-medical purposes** from a provincially regulated retailer but have found the product you wanted to buy was unavailable?

- 1 Always
- 2 Often
- 3 Sometimes
- 4 Rarely
- 5 Never
- 6 I have never intended to buy from a provincially regulated retailer

**Q39** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, have you bought or received cannabis for **non-medical purposes** at...?

*Select all that apply*

- 1 School/college/university
- 2 Your workplace
- 3 Neither (*Exclusive*)

**Q40** *Show if Q21 Is NonMedical User past 12 months*

How much do you **typically** spend on cannabis for **non-medical purposes** each month?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter estimated dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q41** Show if Q26 Is NonMedical User Past 30 Days

How much did you spend on cannabis for **non-medical** purposes in the past **30 days**?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter estimated dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q42** Show if Q26 Is NonMedical User Past 30 Days

In the **past 30 days**, which form(s) of cannabis have you bought or received for **non-medical** purposes?

Select all that apply

- 1 Dried flower/leaf
- 2 Hashish/kief
- 3 Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle
- 4 Cannabis vape pens/cartridges
- 5 Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil
- 6 Cannabis edible food products – e.g., cookies, candy
- 7 Cannabis beverages – e.g., cola, tea, coffee
- 8 Topicals – e.g., lotion, ointment, creams applied to skin
- 9 Other (e.g., seeds, cannabis tincture, suppository, etc.) (please specify):  
\_\_\_\_\_

**Q43** Show if Q26 Is NonMedical User Past 30 Days

In the **past 30 days**, how often have you bought or received cannabis in the following form(s) for **non-medical** purposes?

1. Dried flower/leaf (Show if Q42 1 Used Dried flower past 30 days)
  2. Hashish/kief (Show if Q42 2 Used Hashish kief past 30 days)
  3. Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle  
(Show if Q42 3 Used Cannabis oil oral past 30 days)
  4. Cannabis vape pens/cartridges (Show if Q42 4 Used Cannabis vape pens past 30 days)
  5. Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil (Show if Q42 5 Used Cannabis concentrate past 30 days)
  6. Cannabis edible food products – e.g., cookies, candy (Show if Q42 6 Used Cannabis edibles past 30 days)
  7. Cannabis beverages – e.g., cola, tea, coffee (Show if Q42 7 Used Cannabis beverages past 30 days)
  8. Topicals – e.g., lotion, ointment, creams applied to skin (Show if Q42 8 Used Topicals past 30 days)
  9. Other: <<Q42.specify(9)>> (Show if Q42 9 Used Other past 30 days)
- 1 Once
  - 2 Twice

- 3 Three times
- 4 Four times
- 5 Five times
- 6 More than 5 times

**Q44a1** Show if Q42 1 Used Dried flower past 30 days

**Typically**, how much cannabis in the form:

**Dried flower/leaf**

did you buy or receive each time for **non-medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 1 joint to 3g |1 joint
- 3 1 joint to 3g |500mg (1/2g)
- 4 1 joint to 3g |1g
- 5 1 joint to 3g |1.5g
- 6 1 joint to 3g |2g
- 7 1 joint to 3g |2.5g
- 8 1 joint to 3g |3g
- 9 3.5g (1/8oz) to 9g|3.5g (1/8oz)
- 10 3.5g (1/8oz) to 9g|4g
- 11 3.5g (1/8oz) to 9g|5g
- 12 3.5g (1/8oz) to 9g|6g
- 13 3.5g (1/8oz) to 9g|7g (1/4oz)
- 14 3.5g (1/8oz) to 9g|8g
- 15 3.5g (1/8oz) to 9g|9g
- 16 10g to 16g|10g
- 17 10g to 16g|11g
- 18 10g to 16g|12g
- 19 10g to 16g|13g
- 20 10g to 16g|14g (1/2oz)
- 21 10g to 16g|15g
- 22 10g to 16g|16g
- 23 17g to 25g|17g
- 24 17g to 25g|18g
- 25 17g to 25g|19g
- 26 17g to 25g|20g
- 27 17g to 25g|21g (3/4oz)
- 28 17g to 25g|22g
- 29 17g to 25g|23g
- 30 17g to 25g|24g
- 31 17g to 25g|25g
- 32 26g to >1kg|26g

- 33 26g to >1kg|27g
- 34 26g to >1kg|28g (1oz)
- 35 26g to >1kg|56g (2oz)
- 36 26g to >1kg|84g (3oz)
- 37 26g to >1kg|1/4lb (4oz)
- 38 26g to >1kg|1/2lb (8oz)
- 39 26g to >1kg|3/4lb (12oz)
- 40 26g to >1kg|1lb (16oz)
- 41 26g to >1kg|1kg (1000g)
- 42 26g to >1kg|>1kg

**Q44b1** Show if Q42 1 Used Dried flower past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- 8 Prefer not to answer
- 9 More than \$1,000

**Q44a2** Show if Q42 2 Used Hashish kief past 30 days

**Typically**, how much cannabis in the form:  
**Hashish/kief**

did you buy or receive each time for **non-medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 <500mg (1/2g) to 3g|<500mg (1/2g)
- 3 <500mg (1/2g) to 3g|500mg (1/2g)
- 4 <500mg (1/2g) to 3g|1g
- 5 <500mg (1/2g) to 3g|1.5g
- 6 <500mg (1/2g) to 3g|2g
- 7 <500mg (1/2g) to 3g|2.5g
- 8 <500mg (1/2g) to 3g|3g
- 9 3.5g (1/8oz) to 9g|3.5g (1/8oz)
- 10 3.5g (1/8oz) to 9g|4g
- 11 3.5g (1/8oz) to 9g|5g
- 12 3.5g (1/8oz) to 9g|6g
- 13 3.5g (1/8oz) to 9g|7g (1/4oz)
- 14 3.5g (1/8oz) to 9g|8g
- 15 3.5g (1/8oz) to 9g|9g
- 16 10g to 16g|10g
- 17 10g to 16g|11g
- 18 10g to 16g|12g



- 19 10g to 16g|13g
- 20 10g to 16g|14g (1/2oz)
- 21 10g to 16g|15g
- 22 10g to 16g|16g
- 23 17g to 23g|17g
- 24 17g to 23g|18g
- 25 17g to 23g|19g
- 26 17g to 23g|20g
- 27 17g to 23g|21g (3/4oz)
- 28 17g to 23g|22g
- 29 17g to 23g|23g
- 30 24g to 84g (3oz)|24g
- 31 24g to 84g (3oz)|25g
- 32 24g to 84g (3oz)|26g
- 33 24g to 84g (3oz)|27g
- 34 24g to 84g (3oz)|28g (1oz)
- 35 24g to 84g (3oz)|56g (2oz)
- 36 24g to 84g (3oz)|84g (3oz)
- 37 1/4lb (4oz) to >1kg|1/4lb (4oz)
- 38 1/4lb (4oz) to >1kg|1/2lb (8oz)
- 39 1/4lb (4oz) to >1kg|3/4lb (12oz)
- 40 1/4lb (4oz) to >1kg|1lb (16oz)
- 41 1/4lb (4oz) to >1kg|1kg (1000g)
- 42 1/4lb (4oz) to >1kg|>1kg

**Q44b2** Show if Q42 2 Used Hashish kief past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- 8 Prefer not to answer
- 9 More than \$1,000

**Q44a3** Show if Q42 3 Used Cannabis oil oral past 30 days

**Typically**, how much cannabis in the form:

**Cannabis oil for oral use - e.g., in dropper/syringe, softgel/capsules, spray bottle**  
did you buy or receive each time for **non-medical** purposes?

Please select the amount closest to what you typically bought or received each time.

- 1 \_\_TREE\_QUESTION\_\_
- 2 Answer in ml|1ml to 5ml|1ml
- 3 Answer in ml|1ml to 5ml|2ml
- 4 Answer in ml|1ml to 5ml|3ml

- 5 Answer in ml|1ml to 5ml|4ml
- 6 Answer in ml|1ml to 5ml|5ml
- 7 Answer in ml|6ml to 10ml|6ml
- 8 Answer in ml|6ml to 10ml|7ml
- 9 Answer in ml|6ml to 10ml|8ml
- 10 Answer in ml|6ml to 10ml|9ml
- 11 Answer in ml|6ml to 10ml|10ml
- 12 Answer in ml|11ml to 15ml|11ml
- 13 Answer in ml|11ml to 15ml|12ml
- 14 Answer in ml|11ml to 15ml|13ml
- 15 Answer in ml|11ml to 15ml|14ml
- 16 Answer in ml|11ml to 15ml|15ml
- 17 Answer in ml|16ml to 20ml|16ml
- 18 Answer in ml|16ml to 20ml|17ml
- 19 Answer in ml|16ml to 20ml|18ml
- 20 Answer in ml|16ml to 20ml|19ml
- 21 Answer in ml|16ml to 20ml|20ml
- 22 Answer in ml|21ml to 30ml|25ml
- 23 Answer in ml|21ml to 30ml|30ml
- 24 Answer in ml|31ml to 40ml|35ml
- 25 Answer in ml|31ml to 40ml|40ml
- 26 Answer in ml|41ml to 50ml|45ml
- 27 Answer in ml|41ml to 50ml|50ml
- 28 Answer in ml|51ml to 60ml|55ml
- 29 Answer in ml|51ml to 60ml|60ml
- 30 Answer in ml|61ml to 70ml|65ml
- 31 Answer in ml|61ml to 70ml|70ml
- 32 Answer in ml|71ml to 80ml|75ml
- 33 Answer in ml|71ml to 80ml|80ml
- 34 Answer in ml|81ml to 90ml|85ml
- 35 Answer in ml|81ml to 90ml|90ml
- 36 Answer in ml|91ml to 100ml|95ml
- 37 Answer in ml|91ml to 100ml|100ml
- 38 Answer in ml|101ml to 120ml|110ml
- 39 Answer in ml|101ml to 120ml|120ml
- 40 Answer in ml|>120ml|>120ml
- 41 Answer in capsules/softgels|1 to 5|1 softgel/capsule
- 42 Answer in capsules/softgels|1 to 5|2 softgels/capsules
- 43 Answer in capsules/softgels|1 to 5|3 softgels/capsules
- 44 Answer in capsules/softgels|1 to 5|4 softgels/capsules
- 45 Answer in capsules/softgels|1 to 5|5 softgels/capsules
- 46 Answer in capsules/softgels|6 to 10|6 softgels/capsules
- 47 Answer in capsules/softgels|6 to 10|7 softgels/capsules
- 48 Answer in capsules/softgels|6 to 10|8 softgels/capsules

- 49 Answer in capsules/softgels|6 to 10|9 softgels/capsules
- 50 Answer in capsules/softgels|6 to 10|10 softgels/capsules
- 51 Answer in capsules/softgels|11 to 15|11 softgels/capsules
- 52 Answer in capsules/softgels|11 to 15|12 softgels/capsules
- 53 Answer in capsules/softgels|11 to 15|13 softgels/capsules
- 54 Answer in capsules/softgels|11 to 15|14 softgels/capsules
- 55 Answer in capsules/softgels|11 to 15|15 softgels/capsules
- 56 Answer in capsules/softgels|16 to 20|16 softgels/capsules
- 57 Answer in capsules/softgels|16 to 20|17 softgels/capsules
- 58 Answer in capsules/softgels|16 to 20|18 softgels/capsules
- 59 Answer in capsules/softgels|16 to 20|19 softgels/capsules
- 60 Answer in capsules/softgels|16 to 20|20 softgels/capsules
- 61 Answer in capsules/softgels|21 to 30|25 softgels/capsules
- 62 Answer in capsules/softgels|21 to 30|30 softgels/capsules
- 63 Answer in capsules/softgels|31 to 40|35 softgels/capsules
- 64 Answer in capsules/softgels|31 to 40|40 softgels/capsules
- 65 Answer in capsules/softgels|41 to 50|45 softgels/capsules
- 66 Answer in capsules/softgels|41 to 50|50 softgels/capsules
- 67 Answer in capsules/softgels|51 to 60|55 softgels/capsules
- 68 Answer in capsules/softgels|51 to 60|60 softgels/capsules
- 69 Answer in capsules/softgels|61 to 70|65 softgels/capsules
- 70 Answer in capsules/softgels|61 to 70|70 softgels/capsules
- 71 Answer in capsules/softgels|71 to 80|75 softgels/capsules
- 72 Answer in capsules/softgels|71 to 80|80 softgels/capsules
- 73 Answer in capsules/softgels|81 to 90|85 softgels/capsules
- 74 Answer in capsules/softgels|81 to 90|90 softgels/capsules
- 75 Answer in capsules/softgels|91 to 100|95 softgels/capsules
- 76 Answer in capsules/softgels|91 to 100|100 softgels/capsules
- 77 Answer in capsules/softgels|>100|>100 softgels/capsules

**Q44b3** Show if Q42 3 Used Cannabis oil oral past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q44a4** Show if Q42 4 Used Cannabis vape pens past 30 days

**Typically**, how much cannabis in the form:

**Cannabis vape pens/cartridges**

did you buy or receive each time for **non-medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 1 cartridge/pen
- 2 2 cartridges/pens
- 3 3 cartridges/pens
- 4 4 cartridges/pens
- 5 5 cartridges/pens
- 6 6 cartridges/pens
- 7 7 cartridges/pens
- 8 8 cartridges/pens
- 9 9 cartridges/pens
- 10 10 cartridges/pens
- 11 >10 cartridges/pens

**Q44b4** Show if Q42 4 Used Cannabis vape pens past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q44a5** Show if Q42 5 Used Cannabis concentrate past 30 days

**Typically**, how much cannabis in the form:

**Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil**

did you buy or receive each time for **non-medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 TREE\_QUESTION
- 2 <500mg (1/2g) to 3g|<500mg (1/2g)
- 3 <500mg (1/2g) to 3g|500mg (1/2g)
- 4 <500mg (1/2g) to 3g|1g
- 5 <500mg (1/2g) to 3g|1.5g
- 6 <500mg (1/2g) to 3g|2g
- 7 <500mg (1/2g) to 3g|2.5g
- 8 <500mg (1/2g) to 3g|3g
- 9 3.5g (1/8oz) to 9g|3.5g (1/8oz)
- 10 3.5g (1/8oz) to 9g|4g
- 11 3.5g (1/8oz) to 9g|5g
- 12 3.5g (1/8oz) to 9g|6g

- 13 3.5g (1/8oz) to 9g|7g (1/4oz)
- 14 3.5g (1/8oz) to 9g|8g
- 15 3.5g (1/8oz) to 9g|9g
- 16 10g to 16g|10g
- 17 10g to 16g|11g
- 18 10g to 16g|12g
- 19 10g to 16g|13g
- 20 10g to 16g|14g (1/2oz)
- 21 10g to 16g|15g
- 22 10g to 16g|16g
- 23 17g to 23g|17g
- 24 17g to 23g|18g
- 25 17g to 23g|19g
- 26 17g to 23g|20g
- 27 17g to 23g|21g (3/4oz)
- 28 17g to 23g|22g
- 29 17g to 23g|23g
- 30 24g to 84g (3oz)|24g
- 31 24g to 84g (3oz)|25g
- 32 24g to 84g (3oz)|26g
- 33 24g to 84g (3oz)|27g
- 34 24g to 84g (3oz)|28g (1oz)
- 35 24g to 84g (3oz)|56g (2oz)
- 36 24g to 84g (3oz)|84g (3oz)
- 37 1/4lb (4oz) to >1kg|1/4lb (4oz)
- 38 1/4lb (4oz) to >1kg|1/2lb (8oz)
- 39 1/4lb (4oz) to >1kg|3/4lb (12oz)
- 40 1/4lb (4oz) to >1kg|1lb (16oz)
- 41 1/4lb (4oz) to >1kg|1kg (1000g)
- 42 1/4lb (4oz) to >1kg|>1kg

**Q44b5** Show if Q42 5 Used Cannabis concentrate past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q44a6** Show if Q42 6 Used Cannabis edibles past 30 days

**Typically**, how much cannabis in the form:

**Cannabis edible food products – e.g., cookies, candy**

did you buy or receive each time for **non-medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 1 to 5 servings|1 serving
- 3 1 to 5 servings|2 servings
- 4 1 to 5 servings|3 servings
- 5 1 to 5 servings|4 servings
- 6 1 to 5 servings|5 servings
- 7 6 to 10 servings|6 servings
- 8 6 to 10 servings|7 servings
- 9 6 to 10 servings|8 servings
- 10 6 to 10 servings|9 servings
- 11 6 to 10 servings|10 servings
- 12 15 to 50 servings|15 servings
- 13 15 to 50 servings|20 servings
- 14 15 to 50 servings|25 servings
- 15 15 to 50 servings|30 servings
- 16 15 to 50 servings|40 servings
- 17 15 to 50 servings|50 servings
- 18 >50 servings

**Q44b6** Show if Q42 6 Used Cannabis edibles past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- 8 Prefer not to answer
- 9 More than \$1,000

**Q44a7** Show if Q42 7 Used Cannabis beverages past 30 days

**Typically**, how much cannabis in the form:

**Cannabis beverages – e.g., cola, tea, coffee**

did you buy or receive each time for **non-medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 30ml (1/8cup) to 187.5ml (3/4cup)|30ml (1/8cup)
- 3 30ml (1/8cup) to 187.5ml (3/4cup)|62.5ml (1/4cup)
- 4 30ml (1/8cup) to 187.5ml (3/4cup)|125ml (1/2cup)
- 5 30ml (1/8cup) to 187.5ml (3/4cup)|187.5ml (3/4cup)

- 6 250ml (1cup) to 625ml (2.5cups)|250ml (1cup)
- 7 250ml (1cup) to 625ml (2.5cups)|375ml (1.5cups)
- 8 250ml (1cup) to 625ml (2.5cups)|500ml (2cups)
- 9 250ml (1cup) to 625ml (2.5cups)|625ml (2.5cups)
- 10 750ml (3cups) to 1125ml (4.5cups)|750ml (3cups)
- 11 750ml (3cups) to 1125ml (4.5cups)|875ml (3.5cups)
- 12 750ml (3cups) to 1125ml (4.5cups)|1000ml (1litre) (4cups)
- 13 750ml (3cups) to 1125ml (4.5cups)|1125ml (4.5cups)
- 14 1250ml (5cups) to 1750ml (7cups)|1250ml (5cups)
- 15 1250ml (5cups) to 1750ml (7cups)|1500ml (1.5litres) (6cups)
- 16 1250ml (5cups) to 1750ml (7cups)|1750ml (7cups)
- 17 2000ml (2litres) (8cups)
- 18 2250ml (9cups)
- 19 2500ml (2.5litres) (10cups)

**Q44b7** Show if Q42 7 Used Cannabis beverages past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q44a8** Show if Q42 8 Used Topicals past 30 days

**Typically**, how much cannabis in the form:

**Topicals - e.g., lotion, ointment, creams applied to skin**  
did you buy or receive each time for **non-medical** purposes?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Q44b8** Show if Q42 8 Used Topicals past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q44a9** Show if Q42 9 Used Other past 30 days

Typically, how much cannabis in the form:

**Other:** <<Q42.specify(9)>>

did you buy or receive each time for **non-medical** purposes?

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**Q44b9** Show if Q42 9 Used Other past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**Q45** Show if Q26 Is NonMedical User Past 30 Days

In the **past 30 days**, where have you used cannabis for **non-medical** purposes?

Select all that apply

- 1 House/private dwelling
- 2 At a concert, sports event, festival, etc.
- 3 At a restaurant/café/coffee shop/night club/bar/pub
- 4 Indoor publicly accessible building (e.g., office, hotel, mall)
- 5 At school/college/university
- 6 At your workplace
- 7 Inside a car
- 8 At an outdoor public place (e.g., street, park, alley, mall, etc.)
- 9 Other (e.g., hospital/health care facility) (please specify without providing any identifiable information) : \_\_\_\_\_

**Q46** Show if viii Is student AND Q21 NonMedical user past 12 months

In the **past 12 months**, how often did you use cannabis for **non-medical** purposes at **school/college/university** or within 2 hours before going to **school/college/university**?

- 1 Rarely (less than one day per month)
- 2 Sometimes (1 to 3 days per month)
- 3 Often (weekly)
- 4 Always or almost always (most days you attend school)
- 5 Have not done this in the past 12 months



**Q47** *Show if viii Is student AND Q21 NonMedical user past 12 months*

In a **typical month**, how often are you absent from **school/college/university** because of your **non-medical** use of cannabis?

- 1 1 day per month
- 2 2 to 3 days per month
- 3 4 or 5 days per month
- 4 More than 5 days per month
- 5 I am never absent for this reason

**Q48** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, how often did you use cannabis for **non-medical purposes** at work (including breaks) or within 2 hours before going to **work**?

- 1 Rarely (less than one day per month)
- 2 Sometimes (1 to 3 days per month)
- 3 Often (weekly)
- 4 Always or almost always (most days you work)
- 5 Have not done this in the past 12 months
- 6 I have not been employed in the past 12 months

**Q49** *Show if Q21 Is NonMedical User past 12 months*

In a **typical month**, how often are you absent from **work** because of your **non-medical** use of cannabis?

- 1 1 day per month
- 2 2 to 3 days per month
- 3 4 or 5 days per month
- 4 More than 5 days per month
- 5 I am never absent for this reason
- 6 I am not employed

**Q50** *Show if Q21 Is NonMedical User past 12 months*

Do you currently have any cannabis or cannabis product in or around your home?

- 1 Yes
- 2 No
- .8 Prefer not to say
- .9 Don't know/Not sure

**Q50a** *Show if Q50 Yes cannabis in house*

Where is the cannabis that is currently in or around your home being stored?

*Select all that apply*

- 1 In a child proof container

- 2 In a locked container such as a cabinet, drawer, or safe
- 3 In a locked room
- 4 In an unlocked cabinet or drawer
- 5 In an unlocked refrigerator or freezer
- 6 On an open shelf or table
- 7 In an out-building such as a shed or garage
- 8 In an outdoor location such as a garden or greenhouse
- 9 Other (please specify without providing any identifiable information) :  
\_\_\_\_\_

**Q51** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, how often did you use the following substances in combination (i.e., at the same time) with cannabis for **non-medical** purposes for the effect?

1. Alcohol
2. Tobacco or e-cigarette with nicotine
3. Prescription opioids (e.g., oxy, Dilaudid®, morphine, Demerol®, Tylenol #3®)
4. Prescription stimulants (e.g., Ritalin®, Concerta®, Adderall®, Dexedrine®)
5. Prescription sedatives/tranquilizers (e.g., diazepam, lorazepam, Valium®, Ativan®, alprazolam, Xanax®, clonazepam, Rivotril®)
6. Illegal opioids (e.g., heroin, non-pharmaceutical fentanyl)
7. Illegal stimulants (e.g., cocaine, crack, methamphetamine, ecstasy/MDMA)
8. Illegal hallucinogens/dissociatives (e.g., LSD, magic mushrooms, ketamine, PCP)

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Often
- 5 Always

**Q51a** *Show if Q21 Is NonMedical User past 12 months*

Were there any **other** substances that you used in combination (i.e., at the same time) with cannabis for **non-medical** purposes for the effect in the **past 12 months**?

- 1 Yes (please specify): \_\_\_\_\_
- 2 No

**Q51b** *Show if Q51a Yes other substance*

And how often did you use <<Q51a.specify(1)>> in combination (i.e., at the same time) with cannabis for **non-medical** purposes for the effect?

- 1 Never
- 2 Rarely
- 3 Sometimes
- 4 Often

- 5 Always

**Q52** *Show if Q21 Is NonMedical User past 12 months*

Have you driven a motor vehicle (e.g., car, snowmobile, motor boat or all-terrain vehicle (ATV)) **within 2 hours of smoking or vaporizing** cannabis or a cannabis product for **non-medical** purposes?

- 1 Yes
- 2 No

**Q52a** *Show if Q52 Yes driven within 2hrs of smoking vaping*

What was the type of motor vehicle?

*Select all that apply*

- 1 Car
- 2 Boat
- 3 Snowmobile
- 4 All-terrain vehicle (ATV)
- 5 Other (Please specify): \_\_\_\_\_

**Q52b** *Show if Q52 Yes driven within 2hrs of smoking vaping*

When did this last happen?

- 1 Within the past 30 days
- 2 Within the past 12 months
- 3 More than 12 months ago

**Q53** *Show if Q21 Is NonMedical User past 12 months*

Have you driven a motor vehicle (e.g., car, snowmobile, motor boat or all-terrain vehicle (ATV)) **within 4 hours of ingesting** a cannabis product (e.g., cannabis food/beverages, capsules) for **non-medical** purposes?

- 1 Yes
- 2 No

**Q53a** *Show if Q53 Yes driven within 4hrs of eating*

What was the type of motor vehicle?

*Select all that apply*

- 1 Car
- 2 Boat
- 3 Snowmobile
- 4 All-terrain vehicle (ATV)
- 5 Other (Please specify): \_\_\_\_\_

**Q53b** *Show if Q53 Yes driven within 4hrs of eating*

When did this last happen?

- <sub>1</sub> Within the past 30 days
- <sub>2</sub> Within the past 12 months
- <sub>3</sub> More than 12 months ago

**Q54** *Show if Q52 Yes driven 2hrs smoking vaping OR Q53 Yes driven 4hrs eating*

Have you driven a motor vehicle (e.g., car, snowmobile, motor boat or all-terrain vehicle (ATV)) within 2 hours of using cannabis or a cannabis product for **non-medical** purposes **in combination with alcohol**?

- <sub>1</sub> Yes
- <sub>2</sub> No

**Q54a** *Show if Q54 Yes driven within 2hrs combined with alcohol*

What was the type of motor vehicle?

*Select all that apply*

- <sub>1</sub> Car
- <sub>2</sub> Boat
- <sub>3</sub> Snowmobile
- <sub>4</sub> All-terrain vehicle (ATV)
- <sub>5</sub> Other (Please specify): \_\_\_\_\_

**Q54b** *Show if Q54 Yes driven within 2hrs combined with alcohol*

When did this last happen?

- <sub>1</sub> Within the past 30 days
- <sub>2</sub> Within the past 12 months
- <sub>3</sub> More than 12 months ago

**Q55** *Show if Q52 Yes driven 2hrs smoking vaping OR Q53 Yes driven 4hrs eating*

Have you driven a motor vehicle (e.g., car, snowmobile, motor boat or all-terrain vehicle (ATV)) within 2 hours of using cannabis or a cannabis product for **non-medical** purposes **in combination with another drug** other than alcohol or tobacco?

- <sub>1</sub> Yes
- <sub>2</sub> No

**Q55a** *Show if Q55 Yes driven within 2hrs combined with another drug*

What was the type of motor vehicle?

*Select all that apply*

- <sub>1</sub> Car
- <sub>2</sub> Boat
- <sub>3</sub> Snowmobile
- <sub>4</sub> All-terrain vehicle (ATV)
- <sub>5</sub> Other (Please specify): \_\_\_\_\_

**Q55b** *Show if Q55 Yes driven within 2hrs combined with another drug*

When did this last happen?

- <sub>1</sub> Within the past 30 days
- <sub>2</sub> Within the past 12 months
- <sub>3</sub> More than 12 months ago

**Q56** *Show if Q52 Yes driven 2hrs smoking vaping OR Q53 Yes driven 4hrs eating*

Why did you drive a motor vehicle after using cannabis?

*Select all that apply*

- <sub>1</sub> I did not feel impaired
- <sub>2</sub> I did not believe I would be caught by police/law enforcement
- <sub>3</sub> I did not have alternative transportation
- <sub>4</sub> I thought I could drive carefully
- <sub>5</sub> I did not have to drive very far
- <sub>6</sub> Other (please specify): \_\_\_\_\_

**Q57** *Show if Q20 Medical OR Q21 NonMedical users past 12 months*

In the **past 12 months**, have you, as the driver, ever had an interaction with law enforcement involving driving under the influence of cannabis?

- <sub>1</sub> Yes
- <sub>2</sub> No

**Q58** *Show if Q21 Is NonMedical User past 12 months*

In the **past 12 months**, did you personally have an interaction with law enforcement involving your personal possession of cannabis for **non-medical** purposes?

- <sub>1</sub> Yes
- <sub>2</sub> No

**Q59** *Show if Q21 Is NonMedical User past 12 months*

During the **past 12 months**, what type of effect did your cannabis use for **non-medical** purposes have on your:

1. Friendships or social life \*
2. Physical health \*
3. Mental health \*
4. Home life or marriage \*
5. Performance at work or school \*
6. Quality of life \*

*Levels marked with \* are randomized*

- 1 Very beneficial
- 2 Somewhat beneficial
- 3 No effect
- 4 Somewhat harmful
- 5 Very harmful

**Q60** *Show if Q21 Is NonMedical User past 12 months*

During the **past 3 months**, how often did you use cannabis for **non-medical** purposes?

- 1 Never
- 2 Once or twice
- 3 Monthly
- 4 Weekly
- 5 Daily or almost daily

**Q61** *Show if Q60 Used NonMedical past 3 months*

During the **past 3 months**, how often have you had a strong desire or urge to use cannabis for **non-medical** purposes?

- 1 Never
- 2 Once or twice
- 3 Monthly
- 4 Weekly
- 5 Daily or almost daily

**Q62** *Show if Q60 Used NonMedical past 3 months*

During the **past 3 months**, how often has your use of cannabis for **non-medical** purposes led to health, social, legal or financial problems?

- 1 Never
- 2 Once or twice
- 3 Monthly
- 4 Weekly
- 5 Daily or almost daily

**Q63** *Show if Q60 Used NonMedical past 3 months*

During the **past 3 months**, how often have you failed to do what was normally expected of you because of your use of cannabis for **non-medical** purposes?

- 1 Never
- 2 Once or twice
- 3 Monthly
- 4 Weekly
- 5 Daily or almost daily

**Q64** *Show if Q60 Used NonMedical past 3 months*

Has a friend or relative or anyone else ever expressed concern about your use of cannabis for **non-medical** purposes?

- 1 No, never
- 2 Yes, in the past 3 months
- 3 Yes, but not in the past 3 months

**Q65** *Show if Q60 Used NonMedical past 3 months*

Have you ever tried and failed to control, cut down or stop using cannabis for **non-medical** purposes?

- 1 No, never
- 2 Yes, in the past 3 months
- 3 Yes, but not in the past 3 months

**Q66** *Show if Q18 Used nonmedical more than once lifetime*

During your lifetime, did you feel that you needed professional help (such as treatment or counseling) for your **non-medical** use of cannabis?

- 1 No, never
- 2 Yes, in the past 12 months
- 3 Yes, but not in the past 12 months

**Q67** *Show if Q18 Used nonmedical more than once lifetime*

Have you ever received professional help (such as treatment or counseling) for your **non-medical** use of cannabis?

- 1 No, never
- 2 Yes, in the past 12 months
- 3 Yes, but not in the past 12 months

**Q68** *Show if Is 19 or older non ABQC or 18 or older ABQC AND Q21 NonMedical User 12months*

(if Is 19 or older AND NOT Alberta or Quebec) In the **past 12 months**, have you used cannabis for **non-medical** purposes in front of persons that are under 19 years old?

(if Is 18 or older AND Alberta or Quebec) In the **past 12 months**, have you used cannabis for **non-medical** purposes in front of persons that are under 18 years old?

- 1 Yes
- 2 No
- .9 Don't know/Not sure

**Q69** *Show if Is 19 or older non ABQC or 18 or older ABQC AND Q21 NonMedical User 12months*

(if Is 19 or older AND NOT Alberta or Quebec) In the **past 12 months**, have you shared cannabis for **non-medical** purposes with persons that are under 19 years old?

(if Is 18 or older AND Alberta or Quebec) In the **past 12 months**, have you shared cannabis for **non-medical** purposes with persons that are under 18 years old?

- 1 Yes
- 2 No
- .9 Don't know/Not sure

**Q70** *Show if Is Not legal age AND Q21 Nonmedical user past 12 months*

(if Is Alberta or Quebec) In the **past 12 months**, has someone 18 years of age or older shared cannabis for **non-medical** purposes with you?

(if Is NOT Alberta or Quebec) In the **past 12 months**, has someone 19 years of age or older shared cannabis for **non-medical** purposes with you?

- 1 Yes
- 2 No
- .9 Don't know/Not sure

**Q71** *Show if Is female AND age is 16 to 50 years*

Have you given birth (including live and still births \*\*\*) during the past 5 years?

\*\*\* A still birth has a birth weight of 500 grams or more, or the duration of pregnancy is 20 weeks or longer.

- 1 Yes
- 2 No
- .8 Prefer not to say

## **Page BirthQuestions** *Show if Q18 Used nonmedical in lifetime*

**Q72** *Show if Q71 Given birth*

After you learned that you were pregnant with your last child, did you use cannabis during the pregnancy?

- 1 Yes



- 2 No
- 8 Prefer not to say

**Q73** *Show if Q71 Given birth*

Was your last child breastfed or given your breast milk even for a short time?

- 1 Yes
- 2 No
- 8 Prefer not to say

**Q74** *Show if Q73 Breastfed*

While you were breastfeeding your last child, did you use cannabis?

- 1 Yes
- 2 No
- 8 Prefer not to say

## Section MedicalUse

Mcontinue

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### Page MedicalIntro

*Show if Q20 Medical user past 12 months*

#### Mcontinue

You indicated that you have used cannabis for **medical** purposes. Would you be willing to complete a series of questions asking about your use of cannabis for **medical** purposes?

*Please remember that you can stop the survey and return at a later time.*

- 1 Yes
- 2 No

### Section MedicalUse1

*Show if MContinue Yes*

Mintro, M1, M2, M4, M5, M6, M7, M8, M8a, M9, M9a, M11, M12, M13, M14a, M14b, M14c, M14d, M14e, M14f, M14g, M14h, M14i, M15, M16, M17, M18, M19, M20a1, M20b1, M20a2, M20b2, M20a3, M20b3, M20a4, M20b4, M20a5, M20b5, M20a6, M20b6, M20a7, M20b7, M20a8, M20b8, M20a9, M20b9, M21, M22, M23, M23a, M24, M24a

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### Page MedicalUsage

#### Mintro

In this series of questions when we use the term **cannabis**, **this includes marijuana, hashish, hash oil or any other products made from the cannabis plant, but not synthetic cannabinoids.**

When we ask about use, this includes using cannabis in its dry form or when mixed or processed

into another product such as an edible, concentrate, liquid, or other product for **medical** purposes.

By **medical** purposes we mean used to treat a disease/disorder or to improve symptoms associated with a disease/disorder.

**M1** *Show if Q20 Yes with medical document*

Are you currently accessing cannabis for **medical** purposes through the Health Canada program?

- 1 Yes
- 2 No

**M2** *Show if Q20 Medical user past 12 months*

Are you currently covered by insurance for cannabis for medical purposes?

- 1 Yes, fully covered
- 2 Yes, partially covered
- 3 No

**M4** *Show if Q20 Medical user past 12 months*

In the **past 12 months**, how often did you typically use cannabis for **medical** purposes?

- 1 Less than 1 day per month
- 2 1 day per month
- 3 2 or 3 days per month
- 4 1 or 2 day(s) per week
- 5 3 or 4 days per week
- 6 5 or 6 days per week
- 7 Daily

**M5** *Show if Q20 Medical user past 12 months*

During the **past 12 months**, what type of effect did your cannabis use for **medical** purposes have on your:

1. Friendships or social life \*
2. Physical health \*
3. Mental health \*
4. Home life or marriage \*
5. Performance at work or school \*
6. Quality of life \*

*Levels marked with \* are randomized*

- 1 Very beneficial
- 2 Somewhat beneficial
- 3 No effect
- 4 Somewhat harmful

- 5 Very harmful

**M6** Show if Q20 Medical user past 12 months

For which of the following diseases/disorders do you use cannabis for **medical** purposes?

*Select all that apply*

- 1 Epilepsy
- 2 Multiple sclerosis, amyotrophic lateral sclerosis, spinal cord injury
- 3 Arthritis
- 4 Dystonia
- 5 Huntington's disease
- 6 Parkinson's disease
- 7 Tourette's syndrome
- 8 Glaucoma
- 9 Post-Traumatic Stress Disorder (PTSD)
- 10 Other Anxiety Disorders (e.g., generalized anxiety disorder, social anxiety disorder)
- 11 Depression (e.g., clinical depression, major depressive disorder)
- 12 Schizophrenia/psychosis
- 13 Alzheimer's disease/dementia
- 14 Skin diseases
- 15 Irritable bowel syndrome
- 16 Inflammatory bowel diseases (e.g., Crohn's, colitis)
- 17 Liver disease
- 18 Obesity
- 19 Diabetes
- 20 Cancer
- 21 Attention Deficit Hyperactivity Disorder/Attention Deficit Disorder (ADHD/ADD)
- 22 Insomnia
- 23 Other (please specify without providing any identifiable information):  
\_\_\_\_\_
- 8 Prefer not to say

**M7** Show if Q20 Medical user past 12 months

For which of the following symptoms do you use cannabis for **medical** purposes?

*Select all that apply*

- 1 Acute pain (severe or sudden pain that resolves within a certain amount of time)
- 2 Chronic non-cancer pain (persistent pain, lasting for months or even longer)
- 3 Cancer pain
- 4 Nausea/vomiting
- 5 Wasting/weight loss and/or lack of appetite (e.g., from HIV/AIDS or cancer)
- 6 Headaches/migraines
- 7 Muscle spasms
- 8 Seizures

- 9 Problems sleeping
- 10 Alcohol withdrawal symptoms
- 11 Opioid withdrawal symptoms
- 12 Palliative care
- 13 Feelings of anxiety
- 14 Feelings of depression
- 15 Other (please specify without providing any identifiable information):  
\_\_\_\_\_

**M8** *Show if Q20 Medical user past 12 months*

Has your use of cannabis for **medical** purposes allowed you to decrease your use of any other medications?

- 1 Yes
- 2 No
- 3 Not applicable

**M8a** *Show if M8 Yes decreased other medications*

Which medication(s) have you been able to **reduce** your use of since starting to use cannabis for **medical** purposes?

*Select all that apply*

- 1 Pain relievers – Opioid (e.g., oxy, Dilaudid®, morphine, Demerol, Tylenol #3®)
- 2 Pain relievers – Non-opioid (e.g., acetaminophen, Tylenol®)
- 3 Anti-inflammatories (e.g., ibuprofen, Motrin®, Advil®, prednisone, cortisone)
- 4 Sedatives/tranquilizers (e.g., diazepam, lorazepam, Valium®, Ativan®, alprazolam, Xanax®, clonazepam, Rivotril®)
- 5 Anti-depressants (e.g., Prozac®, Paxil®, Effexor®, Wellbutrin®)
- 6 Stimulants (e.g., Ritalin®, Concerta®, Adderall®, Dexedrine®)
- 7 Anti-convulsants (e.g., valproate, carbamazepine, Dilantin®, lamotrigine, divalproex)
- 8 Other (please specify) : \_\_\_\_\_

**M9** *Show if Q20 Medical user past 12 months*

In the **past 12 months**, where did you get the cannabis you used for **medical** purposes?

*Select all that apply*

- 1 I grew my own
- 2 It was specifically grown for me
- 3 From a legal storefront
- 4 From a legal website other than a Health Canada licensed producer (provincially regulated retailer)
- 5 From a Health Canada licensed producer
- 6 From an illegal storefront
- 7 From an illegal online source
- 8 It was shared around a group of friends

- 9 From a family member
- 10 From a friend
- 11 From an acquaintance
- 12 From a dealer
- 13 Other
- 8 Prefer not to say

**M9a** Show if M9 5 Health Canada licensed producer

Will you continue to directly access cannabis from a Health Canada Licensed Producer now that legal retail outlets and online sales are available for non-medical cannabis?

- 1 Yes
- 2 No
- 3 Don't know

**M11** Show if Q20 Medical user past 12 months

When choosing cannabis products for **medical** purposes, what levels of THC and CBD do you typically use?

- 1 Higher THC, lower CBD
- 2 Higher CBD, lower THC
- 3 Equal levels of THC and CBD
- 4 I typically use a mix of the products above
- 5 Other (please specify): \_\_\_\_\_
- 8 Prefer not to say
- 9 Don't know/Not sure

**M12** Show if Q20 Medical user past 12 months

In the **past 12 months**, have you used the following cannabis products for **medical** purposes?

*Select all that apply*

- 1 Dried flower/leaf
- 2 Hashish/kief
- 3 Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle
- 4 Cannabis vape pens/cartridges
- 5 Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil
- 6 Cannabis edible food products – e.g., cookies, candy
- 7 Cannabis beverages – e.g., cola, tea, coffee
- 8 Topicals – e.g., lotion, ointment, creams applied to skin
- 9 Other (e.g., seeds, cannabis tincture, suppository, etc.) (please specify):  
\_\_\_\_\_

**M13** Show if Q20 Medical user past 12 months

In the **past 12 months**, how often have you used the following cannabis products for **medical** purposes?

1. Dried flower/leaf (Show if M12 1 Used Dried flower past 12 months)
  2. Hashish/kief (Show if M12 2 Used Hashish kief past 12 month)
  3. Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle  
(Show if M12 3 Used Cannabis oil oral past 12 months)
  4. Cannabis vape pens/cartridges (Show if M12 4 Used Cannabis vape pens past 12 months)
  5. Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil (Show if M12 5 Used Cannabis concentrate past 12 months)
  6. Cannabis edible food products – e.g., cookies, candy (Show if M12 6 Used Cannabis edibles past 12 months)
  7. Cannabis beverages – e.g., cola, tea, coffee (Show if M12 7 Used Cannabis beverages past 12 months)
  8. Topicals – e.g., lotion, ointment, creams applied to skin (Show if M12 8 Used Topicals past 12 months)
  9. Other : <<M12.specify(9)>> (Show if M12 9 Used Other past 12 months)
- 
- 1 Less than 1 day per month
- 2 1 day per month
- 3 2 or 3 days per month
- 4 1 or 2 day(s) per week
- 5 3 or 4 days per week
- 6 5 or 6 days per week
- 7 Daily

**M14a** Show if M12 1 Used Dried flower past 12 months

On the days that you used:

**Dried flower/leaf**

for **medical** purposes how much did you typically use in a day?

Please select the amount closest to what you typically use

- 1 \_\_TREE\_QUESTION\_\_
- 2 50mg (1/20g) to 500mg (1/2g)|50 mg (1/20g)
- 3 50mg (1/20g) to 500mg (1/2g)|100mg (1/10g)
- 4 50mg (1/20g) to 500mg (1/2g)|125mg (1/8g)
- 5 50mg (1/20g) to 500mg (1/2g)|250mg (1/4g)
- 6 50mg (1/20g) to 500mg (1/2g)|500mg (1/2g)
- 7 1g to 3.5g (1/8oz)|1g
- 8 1g to 3.5g (1/8oz)|1.5g
- 9 1g to 3.5g (1/8oz)|2g
- 10 1g to 3.5g (1/8oz)|2.5g
- 11 1g to 3.5g (1/8oz)|3g
- 12 1g to 3.5g (1/8oz)|3.5g (1/8oz)
- 13 4g to 8g|4g

- 14 4g to 8g|5g
- 15 4g to 8g|6g
- 16 4g to 8g|7g (1/4oz)
- 17 4g to 8g|8g
- 18 9g to 13g|9g
- 19 9g to 13g|10g
- 20 9g to 13g|11g
- 21 9g to 13g|12g
- 22 9g to 13g|13g
- 23 14g (1/2oz) to 18g|14g (1/2oz)
- 24 14g (1/2oz) to 18g|15g
- 25 14g (1/2oz) to 18g|16g
- 26 14g (1/2oz) to 18g|17g
- 27 14g (1/2oz) to 18g|18g
- 28 19g to 23g|19g
- 29 19g to 23g|20g
- 30 19g to 23g|21g (3/4oz)
- 31 19g to 23g|22g
- 32 19g to 23g|23g
- 33 24g to >28g (1oz)|24g
- 34 24g to >28g (1oz)|25g
- 35 24g to >28g (1oz)|26g
- 36 24g to >28g (1oz)|27g
- 37 24g to >28g (1oz)|28g (1oz)
- 38 24g to >28g (1oz)|>28g (1oz)

**M14b** Show if M12 2 Used Hashish kief past 12 month

On the days that you used:

**Hashish/kief**

for **medical** purposes how much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 \_\_TREE\_QUESTION\_\_
- 2 50mg (1/20g) to 500mg (1/2g)|50mg (1/20g)
- 3 50mg (1/20g) to 500mg (1/2g)|100mg (1/10g)
- 4 50mg (1/20g) to 500mg (1/2g)|125mg (1/8g)
- 5 50mg (1/20g) to 500mg (1/2g)|250mg (1/4g)
- 6 50mg (1/20g) to 500mg (1/2g)|500mg (1/2g)
- 7 1g to 3g|1g
- 8 1g to 3g|1.5g
- 9 1g to 3g|2g
- 10 1g to 3g|2.5g
- 11 1g to 3g|3g

- 12 3.5g (1/8oz) to 7g (1/4oz)|3.5g (1/8oz)
- 13 3.5g (1/8oz) to 7g (1/4oz)|4g
- 14 3.5g (1/8oz) to 7g (1/4oz)|5g
- 15 3.5g (1/8oz) to 7g (1/4oz)|6g
- 16 3.5g (1/8oz) to 7g (1/4oz)|7g (1/4oz)
- 17 8g to 12g|8g
- 18 8g to 12g|9g
- 19 8g to 12g|10g
- 20 8g to 12g|11g
- 21 8g to 12g|12g
- 22 13g to >14g (1/2oz)|13g
- 23 13g to >14g (1/2oz)|14g (1/2oz)
- 24 13g to >14g (1/2oz)|>14g (1/2oz)

**M14c** Show if M12 3 Used Cannabis oil oral past 12 months

On the days that you used:

**Cannabis oil for oral use - e.g., in dropper/syringe, softgel/capsules, spray bottle**  
for **medical** purposes how much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 0 \_\_TREE\_QUESTION\_\_
- 2 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.05ml (1/20ml)
- 3 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.1ml (1/10ml)
- 4 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.125ml (1/8ml)
- 5 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.25ml (1/4ml)
- 6 Answer in ml|0.05ml (1/20ml) to 0.5ml (1/2ml)|0.5ml (1/2ml)
- 7 Answer in ml|1ml to 3ml|1ml
- 8 Answer in ml|1ml to 3ml|1.5ml
- 9 Answer in ml|1ml to 3ml|2ml
- 10 Answer in ml|1ml to 3ml|2.5ml
- 11 Answer in ml|1ml to 3ml|3ml
- 12 Answer in ml|3.5ml to 7ml|3.5ml
- 13 Answer in ml|3.5ml to 7ml|4ml
- 14 Answer in ml|3.5ml to 7ml|5ml
- 15 Answer in ml|3.5ml to 7ml|6ml
- 16 Answer in ml|3.5ml to 7ml|7ml
- 17 Answer in ml|>7ml|>7ml
- 18 Answer in sprays|1 to 5 |1 spray
- 19 Answer in sprays|1 to 5 |2 sprays
- 20 Answer in sprays|1 to 5 |3 sprays
- 21 Answer in sprays|1 to 5 |4 sprays
- 22 Answer in sprays|1 to 5 |5 sprays
- 23 Answer in sprays|6 to 10 |6 sprays



- 24 Answer in sprays|6 to 10 |7 sprays
- 25 Answer in sprays|6 to 10 |8 sprays
- 26 Answer in sprays|6 to 10 |9 sprays
- 27 Answer in sprays|6 to 10 |10 sprays
- 28 Answer in sprays|>10 |>10 sprays
- 29 Answer in capsules/softgels|1 to 5 |1 capsule/softgel
- 30 Answer in capsules/softgels|1 to 5 |2 capsules/softgels
- 31 Answer in capsules/softgels|1 to 5 |3 capsules/softgels
- 32 Answer in capsules/softgels|1 to 5 |4 capsules/softgels
- 33 Answer in capsules/softgels|1 to 5 |5 capsules/softgels
- 34 Answer in capsules/softgels|6 to 10 |6 capsules/softgels
- 35 Answer in capsules/softgels|6 to 10 |7 capsules/softgels
- 36 Answer in capsules/softgels|6 to 10 |8 capsules/softgels
- 37 Answer in capsules/softgels|6 to 10 |9 capsules/softgels
- 38 Answer in capsules/softgels|6 to 10 |10 capsules/softgels
- 39 Answer in capsules/softgels|>10 |>10 capsules/softgels

**M14d** Show if M12 4 Used Cannabis vape pens past 12 months

On the days that you used:

**Cannabis vape pens/cartridges**

for **medical** purposes how much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 1/30 (A cartridge lasts 30 use days)
- 2 1/20 (A cartridge lasts 21 use days)
- 3 1/15 (A cartridge lasts 14 use days)
- 4 1/10 (A cartridge lasts 10 use days)
- 5 1/7 (A cartridge lasts 7 use days)
- 6 1/6 (A cartridge lasts 6 use days)
- 7 1/5 (A cartridge lasts 5 use days)
- 8 1/4 (A cartridge lasts 4 use days)
- 9 1/3 (A cartridge lasts 3 use days)
- 10 1/2 (A cartridge lasts 2 use days)
- 11 1 (A cartridge lasts 1 use day)

**M14e** Show if M12 5 Used Cannabis concentrate past 12 months

On the days that you used:

**Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil**

for **medical** purposes how much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 10mg (1/100g)
- 2 25mg (1/40g)

- 3 50mg (1/20g)
- 4 100mg (1/10g)
- 5 125mg (1/8g)
- 6 250mg (1/4g)
- 7 500mg (1/2g)
- 8 1g
- 9 1.5g
- 10 2g
- 11 2.5g
- 12 3g
- 13 3.5g (1/8oz)

**M14f** Show if M12 6 Used Cannabis edibles past 12 months

On the days that you used:

**Cannabis edible food products – e.g., cookies, candy**

for **medical** purposes how much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 \_\_TREE\_QUESTION\_\_
- 2 Less than 1 serving|1/8 serving
- 3 Less than 1 serving|1/4 serving
- 4 Less than 1 serving|1/2 serving
- 5 Less than 1 serving|3/4 serving
- 6 1 to 2.5 servings|1 serving
- 7 1 to 2.5 servings|1.5 servings
- 8 1 to 2.5 servings|2 servings
- 9 1 to 2.5 servings|2.5 servings
- 10 3 to 6 servings|3 servings
- 11 3 to 6 servings|3.5 servings
- 12 3 to 6 servings|4 servings
- 13 3 to 6 servings|4.5 servings
- 14 3 to 6 servings|5 servings
- 15 3 to 6 servings|6 servings
- 16 7 to >10 servings|7 servings
- 17 7 to >10 servings|8 servings
- 18 7 to >10 servings|9 servings
- 19 7 to >10 servings|10 servings
- 20 7 to >10 servings|>10 servings

**M14g** Show if M12 7 Used Cannabis beverages past 12 months

On the days that you used:

**Cannabis beverages – e.g., cola, tea, coffee**

for **medical** purposes how much did you typically use in a day?

*Please select the amount closest to what you typically use*

- 1 \_\_TREE\_QUESTION\_\_
- 2 30ml (1/8cup) to 500ml (2cups)|30ml (1/8cup)
- 3 30ml (1/8cup) to 500ml (2cups)|62.5ml (1/4cup)
- 4 30ml (1/8cup) to 500ml (2cups)|125ml (1/2cup)
- 5 30ml (1/8cup) to 500ml (2cups)|187.5ml (3/4cup)
- 6 30ml (1/8cup) to 500ml (2cups)|250ml (1cup)
- 7 30ml (1/8cup) to 500ml (2cups)|375ml (1.5cups)
- 8 30ml (1/8cup) to 500ml (2cups)|500ml (2cups)
- 9 625ml (2.5cups) to 1000ml (1litre) (4cups)|625ml (2.5cups)
- 10 625ml (2.5cups) to 1000ml (1litre) (4cups)|750ml (3cups)
- 11 625ml (2.5cups) to 1000ml (1litre) (4cups)|875ml (3.5cups)
- 12 625ml (2.5cups) to 1000ml (1litre) (4cups)|1000ml (1litre) (4cups)
- 13 1125ml (4.5cups) to 1750ml (7cups)|1125ml (4.5cups)
- 14 1125ml (4.5cups) to 1750ml (7cups)|1250ml (5cups)
- 15 1125ml (4.5cups) to 1750ml (7cups)|1500ml (1.5litres) (6cups)
- 16 1125ml (4.5cups) to 1750ml (7cups)|1750ml (7cups)
- 17 2000ml (2litres) (8cups) to 2500ml (2.5litres) (10cups)|2000ml (2litres) (8cups)
- 18 2000ml (2litres) (8cups) to 2500ml (2.5litres) (10cups)|2250ml (9cups)
- 19 2000ml (2litres) (8cups) to 2500ml (2.5litres) (10cups)|2500ml (2.5litres) (10cups)

**M14h** *Show if M12 8 Used Topicals past 12 months*

On the days that you used:

**Topicals - e.g., lotion, ointment, creams applied to skin**

for **medical** purposes how much did you typically use in a day?

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**M14i** *Show if M12 9 Used Other past 12 months*

On the days that you used:

**Other:** <<M12.specify(9)>>

for **medical** purposes how much did you typically use in a day?

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**M15**

How much do you **typically** spend on cannabis for **medical purposes** each month?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter estimated dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M16**

In the **past 30 days**, have you used cannabis for **medical** purposes (used to treat disease/disorder or improve symptoms)?

- 1 Yes
- 2 No

**M17** *Show if M16 Past 30 day medical user*

How much did you spend on cannabis for **medical** purposes in the **past 30 days**?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter estimated dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M18** *Show if M16 Past 30 day medical user*

In the **past 30 days**, which forms of cannabis have you bought or received for **medical** purposes?

*Select all that apply*

- 1 Dried flower/leaf
- 2 Hashish/kief
- 3 Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle
- 4 Cannabis vape pens/cartridges
- 5 Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil
- 6 Cannabis edible food products – e.g., cookies, candy

- 7 Cannabis beverages – e.g., cola, tea, coffee
  - 8 Topicals – e.g., lotion, ointment, creams applied to skin
  - 9 Other (e.g., seeds, cannabis tincture, suppository, etc.) (please specify):
- 

**M19** *Show if M16 Past 30 day medical user*

In the **past 30 days**, how often did you buy or receive cannabis for **medical** purposes?

1. Dried flower/leaf *(Show if M18 1 Obtained Dried flower past 30 days)*
2. Hashish/kief *(Show if M18 2 Obtained Hashish kief past 30 day)*
3. Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle  
*(Show if M18 3 Obtained Cannabis oil oral past 30 day)*
4. Cannabis vape pens/cartridges *(Show if M18 4 Obtained Cannabis vape pens past 30 days)*
5. Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil *(Show if M18 5 Obtained Cannabis concentrate past 30 days)*
6. Cannabis edible food products – e.g., cookies, candy *(Show if M18 6 Obtained Cannabis edibles past 30 days)*
7. Cannabis beverages – e.g., cola, tea, coffee *(Show if M18 7 Obtained Cannabis beverages past 30 days)*
8. Topicals – e.g., lotion, ointment, creams applied to skin *(Show if M18 8 Obtained Topicals past 30 days)*
9. Other: <<M18.specify(9)>> *(Show if M18 9 Obtained Other past 30 days)*

- 1 Once
- 2 Twice
- 3 Three times
- 4 Four times
- 5 Five times
- 6 More than 5 times

**M20a1** *Show if M18 1 Obtained Dried flower past 30 days*

**Typically**, how much cannabis in the form:

**Dried flower/leaf**

did you buy or receive each time for **medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 1 joint to 3g |1 joint
- 3 1 joint to 3g |500mg (1/2g)
- 4 1 joint to 3g |1g
- 5 1 joint to 3g |1.5g
- 6 1 joint to 3g |2g
- 7 1 joint to 3g |2.5g
- 8 1 joint to 3g |3g

- 9 3.5g (1/8oz) to 9g|3.5g (1/8oz)
- 10 3.5g (1/8oz) to 9g|4g
- 11 3.5g (1/8oz) to 9g|5g
- 12 3.5g (1/8oz) to 9g|6g
- 13 3.5g (1/8oz) to 9g|7g (1/4oz)
- 14 3.5g (1/8oz) to 9g|8g
- 15 3.5g (1/8oz) to 9g|9g
- 16 10g to 16g|10g
- 17 10g to 16g|11g
- 18 10g to 16g|12g
- 19 10g to 16g|13g
- 20 10g to 16g|14g (1/2oz)
- 21 10g to 16g|15g
- 22 10g to 16g|16g
- 23 17g to 25g|17g
- 24 17g to 25g|18g
- 25 17g to 25g|19g
- 26 17g to 25g|20g
- 27 17g to 25g|21g (3/4oz)
- 28 17g to 25g|22g
- 29 17g to 25g|23g
- 30 17g to 25g|24g
- 31 17g to 25g|25g
- 32 26g to >1kg|26g
- 33 26g to >1kg|27g
- 34 26g to >1kg|28g (1oz)
- 35 26g to >1kg|56g (2oz)
- 36 26g to >1kg|84g (3oz)
- 37 26g to >1kg|1/4lb (4oz)
- 38 26g to >1kg|1/2lb (8oz)
- 39 26g to >1kg|3/4lb (12oz)
- 40 26g to >1kg|1lb (16oz)
- 41 26g to >1kg|1kg (1000g)
- 42 26g to >1kg|>1kg

**M20b1** Show if M18 1 Obtained Dried flower past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M20a2** Show if M18 2 Obtained Hashish kief past 30 day

**Typically**, how much cannabis in the form:

**Hashish/kief**

did you buy or receive each time for **medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 <500mg (1/2g) to 3g|<500mg (1/2g)
- 3 <500mg (1/2g) to 3g|500mg (1/2g)
- 4 <500mg (1/2g) to 3g|1g
- 5 <500mg (1/2g) to 3g|1.5g
- 6 <500mg (1/2g) to 3g|2g
- 7 <500mg (1/2g) to 3g|2.5g
- 8 <500mg (1/2g) to 3g|3g
- 9 3.5g (1/8oz) to 9g|3.5g (1/8oz)
- 10 3.5g (1/8oz) to 9g|4g
- 11 3.5g (1/8oz) to 9g|5g
- 12 3.5g (1/8oz) to 9g|6g
- 13 3.5g (1/8oz) to 9g|7g (1/4oz)
- 14 3.5g (1/8oz) to 9g|8g
- 15 3.5g (1/8oz) to 9g|9g
- 16 10g to 16g|10g
- 17 10g to 16g|11g
- 18 10g to 16g|12g
- 19 10g to 16g|13g
- 20 10g to 16g|14g (1/2oz)
- 21 10g to 16g|15g
- 22 10g to 16g|16g
- 23 17g to 23g|17g
- 24 17g to 23g|18g
- 25 17g to 23g|19g
- 26 17g to 23g|20g
- 27 17g to 23g|21g (3/4oz)
- 28 17g to 23g|22g
- 29 17g to 23g|23g
- 30 24g to 84g (3oz)|24g
- 31 24g to 84g (3oz)|25g
- 32 24g to 84g (3oz)|26g
- 33 24g to 84g (3oz)|27g
- 34 24g to 84g (3oz)|28g (1oz)
- 35 24g to 84g (3oz)|56g (2oz)
- 36 24g to 84g (3oz)|84g (3oz)
- 37 1/4lb (4oz) to >1kg|1/4lb (4oz)
- 38 1/4lb (4oz) to >1kg|1/2lb (8oz)

- 39 1/4lb (4oz) to >1kg|3/4lb (12oz)
- 40 1/4lb (4oz) to >1kg|1lb (16oz)
- 41 1/4lb (4oz) to >1kg|1kg (1000g)
- 42 1/4lb (4oz) to >1kg|>1kg

**M20b2** Show if M18 2 Obtained Hashish kief past 30 day

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M20a3** Show if M18 3 Obtained Cannabis oil oral past 30 day

**Typically**, how much cannabis in the form:

**Cannabis oil for oral use – e.g., in dropper/syringe, softgel/capsules, spray bottle**  
did you buy or receive each time for **medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 Answer in ml|1ml to 5ml|1ml
- 3 Answer in ml|1ml to 5ml|2ml
- 4 Answer in ml|1ml to 5ml|3ml
- 5 Answer in ml|1ml to 5ml|4ml
- 6 Answer in ml|1ml to 5ml|5ml
- 7 Answer in ml|6ml to 10ml|6ml
- 8 Answer in ml|6ml to 10ml|7ml
- 9 Answer in ml|6ml to 10ml|8ml
- 10 Answer in ml|6ml to 10ml|9ml
- 11 Answer in ml|6ml to 10ml|10ml
- 12 Answer in ml|11ml to 15ml|11ml
- 13 Answer in ml|11ml to 15ml|12ml
- 14 Answer in ml|11ml to 15ml|13ml
- 15 Answer in ml|11ml to 15ml|14ml
- 16 Answer in ml|11ml to 15ml|15ml
- 17 Answer in ml|16ml to 20ml|16ml
- 18 Answer in ml|16ml to 20ml|17ml
- 19 Answer in ml|16ml to 20ml|18ml
- 20 Answer in ml|16ml to 20ml|19ml
- 21 Answer in ml|16ml to 20ml|20ml
- 22 Answer in ml|21ml to 30ml|25ml
- 23 Answer in ml|21ml to 30ml|30ml
- 24 Answer in ml|31ml to 40ml|35ml



- 25 Answer in ml|31ml to 40ml|40ml
- 26 Answer in ml|41ml to 50ml|45ml
- 27 Answer in ml|41ml to 50ml|50ml
- 28 Answer in ml|51ml to 60ml|55ml
- 29 Answer in ml|51ml to 60ml|60ml
- 30 Answer in ml|61ml to 70ml|65ml
- 31 Answer in ml|61ml to 70ml|70ml
- 32 Answer in ml|71ml to 80ml|75ml
- 33 Answer in ml|71ml to 80ml|80ml
- 34 Answer in ml|81ml to 90ml|85ml
- 35 Answer in ml|81ml to 90ml|90ml
- 36 Answer in ml|91ml to 100ml|95ml
- 37 Answer in ml|91ml to 100ml|100ml
- 38 Answer in ml|101ml to 120ml|110ml
- 39 Answer in ml|101ml to 120ml|120ml
- 40 Answer in ml|>120ml|>120ml
- 41 Answer in capsules/softgels|1 to 5|1 softgel/capsule
- 42 Answer in capsules/softgels|1 to 5|2 softgels/capsules
- 43 Answer in capsules/softgels|1 to 5|3 softgels/capsules
- 44 Answer in capsules/softgels|1 to 5|4 softgels/capsules
- 45 Answer in capsules/softgels|1 to 5|5 softgels/capsules
- 46 Answer in capsules/softgels|6 to 10|6 softgels/capsules
- 47 Answer in capsules/softgels|6 to 10|7 softgels/capsules
- 48 Answer in capsules/softgels|6 to 10|8 softgels/capsules
- 49 Answer in capsules/softgels|6 to 10|9 softgels/capsules
- 50 Answer in capsules/softgels|6 to 10|10 softgels/capsules
- 51 Answer in capsules/softgels|11 to 15|11 softgels/capsules
- 52 Answer in capsules/softgels|11 to 15|12 softgels/capsules
- 53 Answer in capsules/softgels|11 to 15|13 softgels/capsules
- 54 Answer in capsules/softgels|11 to 15|14 softgels/capsules
- 55 Answer in capsules/softgels|11 to 15|15 softgels/capsules
- 56 Answer in capsules/softgels|16 to 20|16 softgels/capsules
- 57 Answer in capsules/softgels|16 to 20|17 softgels/capsules
- 58 Answer in capsules/softgels|16 to 20|18 softgels/capsules
- 59 Answer in capsules/softgels|16 to 20|19 softgels/capsules
- 60 Answer in capsules/softgels|16 to 20|20 softgels/capsules
- 61 Answer in capsules/softgels|21 to 30|25 softgels/capsules
- 62 Answer in capsules/softgels|21 to 30|30 softgels/capsules
- 63 Answer in capsules/softgels|31 to 40|35 softgels/capsules
- 64 Answer in capsules/softgels|31 to 40|40 softgels/capsules
- 65 Answer in capsules/softgels|41 to 50|45 softgels/capsules
- 66 Answer in capsules/softgels|41 to 50|50 softgels/capsules
- 67 Answer in capsules/softgels|51 to 60|55 softgels/capsules
- 68 Answer in capsules/softgels|51 to 60|60 softgels/capsules

- 69 Answer in capsules/softgels|61 to 70|65 softgels/capsules
- 70 Answer in capsules/softgels|61 to 70|70 softgels/capsules
- 71 Answer in capsules/softgels|71 to 80|75 softgels/capsules
- 72 Answer in capsules/softgels|71 to 80|80 softgels/capsules
- 73 Answer in capsules/softgels|81 to 90|85 softgels/capsules
- 74 Answer in capsules/softgels|81 to 90|90 softgels/capsules
- 75 Answer in capsules/softgels|91 to 100|95 softgels/capsules
- 76 Answer in capsules/softgels|91 to 100|100 softgels/capsules
- 77 Answer in capsules/softgels|>100|>100 softgels/capsules

**M20b3** Show if M18 3 Obtained Cannabis oil oral past 30 day

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M20a4** Show if M18 4 Obtained Cannabis vape pens past 30 days

**Typically**, how much cannabis in the form:

**Cannabis vape pens/cartridges**

did you buy or receive each time for **medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 1 cartridge/pen
- 2 2 cartridges/pens
- 3 3 cartridges/pens
- 4 4 cartridges/pens
- 5 5 cartridges/pens
- 6 6 cartridges/pens
- 7 7 cartridges/pens
- 8 8 cartridges/pens
- 9 9 cartridges/pens
- 10 10 cartridges/pens
- 11 >10 cartridges/pens

**M20b4** Show if M18 4 Obtained Cannabis vape pens past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M20a5** Show if M18 5 Obtained Cannabis concentrate past 30 days

**Typically**, how much cannabis in the form:

**Cannabis concentrate/extracts – e.g., shatter/wax/budder/butane honey oil**  
did you buy or receive each time for **medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 <500mg (1/2g) to 3g|<500mg (1/2g)
- 3 <500mg (1/2g) to 3g|500mg (1/2g)
- 4 <500mg (1/2g) to 3g|1g
- 5 <500mg (1/2g) to 3g|1.5g
- 6 <500mg (1/2g) to 3g|2g
- 7 <500mg (1/2g) to 3g|2.5g
- 8 <500mg (1/2g) to 3g|3g
- 9 3.5g (1/8oz) to 9g|3.5g (1/8oz)
- 10 3.5g (1/8oz) to 9g|4g
- 11 3.5g (1/8oz) to 9g|5g
- 12 3.5g (1/8oz) to 9g|6g
- 13 3.5g (1/8oz) to 9g|7g (1/4oz)
- 14 3.5g (1/8oz) to 9g|8g
- 15 3.5g (1/8oz) to 9g|9g
- 16 10g to 16g|10g
- 17 10g to 16g|11g
- 18 10g to 16g|12g
- 19 10g to 16g|13g
- 20 10g to 16g|14g (1/2oz)
- 21 10g to 16g|15g
- 22 10g to 16g|16g
- 23 17g to 23g|17g
- 24 17g to 23g|18g
- 25 17g to 23g|19g
- 26 17g to 23g|20g
- 27 17g to 23g|21g (3/4oz)
- 28 17g to 23g|22g
- 29 17g to 23g|23g
- 30 24g to 84g (3oz)|24g
- 31 24g to 84g (3oz)|25g
- 32 24g to 84g (3oz)|26g
- 33 24g to 84g (3oz)|27g
- 34 24g to 84g (3oz)|28g (1oz)
- 35 24g to 84g (3oz)|56g (2oz)
- 36 24g to 84g (3oz)|84g (3oz)
- 37 1/4lb (4oz) to >1kg|1/4lb (4oz)

- 38 1/4lb (4oz) to >1kg|1/2lb (8oz)
- 39 1/4lb (4oz) to >1kg|3/4lb (12oz)
- 40 1/4lb (4oz) to >1kg|1lb (16oz)
- 41 1/4lb (4oz) to >1kg|1kg (1000g)
- 42 1/4lb (4oz) to >1kg|>1kg

**M20b5** Show if M18 5 Obtained Cannabis concentrate past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M20a6** Show if M18 6 Obtained Cannabis edibles past 30 days

**Typically**, how much cannabis in the form:

**Cannabis edible food products - e.g., cookies, candy**  
did you buy or receive each time for **medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 1 to 5 servings|1 serving
- 3 1 to 5 servings|2 servings
- 4 1 to 5 servings|3 servings
- 5 1 to 5 servings|4 servings
- 6 1 to 5 servings|5 servings
- 7 6 to 10 servings|6 servings
- 8 6 to 10 servings|7 servings
- 9 6 to 10 servings|8 servings
- 10 6 to 10 servings|9 servings
- 11 6 to 10 servings|10 servings
- 12 15 to 50 servings|15 servings
- 13 15 to 50 servings|20 servings
- 14 15 to 50 servings|25 servings
- 15 15 to 50 servings|30 servings
- 16 15 to 50 servings|40 servings
- 17 15 to 50 servings|50 servings
- 18 >50 servings

**M20b6** Show if M18 6 Obtained Cannabis edibles past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M20a7** Show if M18 7 Obtained Cannabis beverages past 30 days

**Typically**, how much cannabis in the form:

**Cannabis beverages – e.g., cola, tea, coffee**

did you buy or receive each time for **medical** purposes?

*Please select the amount closest to what you typically bought or received each time.*

- 1 \_\_TREE\_QUESTION\_\_
- 2 30ml (1/8cup) to 187.5ml (3/4cup)|30ml (1/8cup)
- 3 30ml (1/8cup) to 187.5ml (3/4cup)|62.5ml (1/4cup)
- 4 30ml (1/8cup) to 187.5ml (3/4cup)|125ml (1/2cup)
- 5 30ml (1/8cup) to 187.5ml (3/4cup)|187.5ml (3/4cup)
- 6 250ml (1cup) to 625ml (2.5cups)|250ml (1cup)
- 7 250ml (1cup) to 625ml (2.5cups)|375ml (1.5cups)
- 8 250ml (1cup) to 625ml (2.5cups)|500ml (2cups)
- 9 250ml (1cup) to 625ml (2.5cups)|625ml (2.5cups)
- 10 750ml (3cups) to 1125ml (4.5cups)|750ml (3cups)
- 11 750ml (3cups) to 1125ml (4.5cups)|875ml (3.5cups)
- 12 750ml (3cups) to 1125ml (4.5cups)|1000ml (1litre) (4cups)
- 13 750ml (3cups) to 1125ml (4.5cups)|1125ml (4.5cups)
- 14 1250ml (5cups) to 1750ml (7cups)|1250ml (5cups)
- 15 1250ml (5cups) to 1750ml (7cups)|1500ml (1.5litres) (6cups)
- 16 1250ml (5cups) to 1750ml (7cups)|1750ml (7cups)
- 17 2000ml (2litres) (8cups)
- 18 2250ml (9cups)
- 19 2500ml (2.5litres) (10cups)

**M20b7** Show if M18 7 Obtained Cannabis beverages past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer
- .9 More than \$1,000

**M20a8** Show if M18 8 Obtained Topicals past 30 days

**Typically**, how much cannabis in the form:

**Topicals - e.g., lotion, ointment, creams applied to skin**  
did you buy or receive each time for **medical** purposes?

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**M20b8** Show if M18 8 Obtained Topicals past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer  
 .9 More than \$1,000

**M20a9** Show if M18 9 Obtained Other past 30 days

**Typically**, how much cannabis in the form:

**Other: <<M18.specify(9)>>**  
did you buy or receive each time for **medical** purposes?

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**M20b9** Show if M18 9 Obtained Other past 30 days

How much did you pay for this amount?

Minimum: 0, Maximum: 1000

\_\_\_\_\_ Enter dollar amount

- .8 Prefer not to answer  
 .9 More than \$1,000

**M21**

In your opinion, does using cannabis for **medical** purposes impair one's ability to drive or operate a motor vehicle?

- 1 Yes

- 2 No
- 3 It depends (please specify) \_\_\_\_\_
- .9 Don't know/Not sure

### M22

As far as you know, when is it safe for someone to drive a motor vehicle after using cannabis for **medical** purposes?

- 1 Immediately
- 2 30 minutes to just under 1 hour
- 3 1 hour to just under 3 hours
- 4 3 hours to just under 5 hours
- 5 5 hours to just under 7 hours
- 6 7 hours to 8 hours
- 7 More than 8 hours after
- 8 Depends on each person/weight/quantity and method of consumption
- 9 Other (please specify) \_\_\_\_\_
- .9 Don't know/Not sure

### M23

Have you driven a motor vehicle (e.g., car, snowmobile, motor boat or all-terrain vehicle (ATV)) **within 2 hours of smoking or vaporizing** cannabis or a cannabis product for **medical** purposes?

- 1 Yes
- 2 No

**M23a** *Show if M23 Yes driven within 2hrs of smoking vaping*

When did this last happen?

- 1 Within the past 30 days
- 2 Within the past 12 months
- 3 More than 12 months ago

### M24

Have you driven a motor vehicle (e.g., car, snowmobile, motor boat or all-terrain vehicle (ATV)) **within 4 hours of ingesting** a cannabis product (e.g., cannabis food/beverages, capsules) for **medical** purposes?

- 1 Yes
- 2 No

**M24a** *Show if M24 Yes driven within 4hrs of eating*

When did this last happen?

- 1 Within the past 30 days
- 2 Within the past 12 months
- 3 More than 12 months ago

## Section Ending

F1, End

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## Page Ends

**F1**

Finally, would you be willing to participate in this study again in the future?

- 1 Yes
- 2 No

**End**

You have now completed the survey

Thank you very much for participating in this survey.

Status Code: -1