**INTERNATIONAL
CANNABIS POLICY
STUDY**

CANNABIS SURVEY

METHODOLOGY & SURVEY

AUGUST 29, 2018

ETHICS CLEARANCE

THE PROJECT HAS BEEN REVIEWED BY AND RECEIVED ETHICS CLEARANCE THROUGH A UNIVERSITY OF WATERLOO RESEARCH ETHICS COMMITTEE (ORE#22392).

SUGGESTED CITATION

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METHODS

OVERVIEW

The primary objective of the International Cannabis Policy Study is to examine the impact of cannabis legalization on Canadians. The study examined five primary research questions, including the extent to which legalization is associated with changes in: 1) prevalence and patterns of cannabis use, including use among 'minors' and levels of dependence; 2) risk behaviours, including driving after cannabis use and use in 'high risk' occupational settings; and 3) the commercial retail environment, including the price and the type of products used, the use of high potency products, and the extent to which consumers shift from 'illicit' to 'legal' sources of cannabis; 4) perceptions of risk and social norms; and 5) the effectiveness of specific regulatory policies, including advertising restrictions, product labelling and warnings, public education campaigns, and the use of cannabis in public spaces and workplaces.

A prospective cohort survey is being conducted, in which participants will be recruited and followed over four years. The pre-legalization baseline or 'Wave 1' survey was conducted in August–September 2018 with 30,000 respondents aged 16–65 years living in one of three jurisdictions: 1) Canada (n=10,000), 2) US states that have legalized non-medical cannabis, (n=10,000), and 3) US states in which non-medical cannabis remains illegal (n=10,000). In Canada, 1,000 respondents will be recruited from each province to examine differences in provincial policies and retail markets. This survey will be repeated annually (at 12-, 24-, and 36-months follow-up) to monitor changes over time, as well as key mediators and moderators of use, in each of three jurisdictions.

Data for the Wave 1 baseline survey were collected via a web-based survey between August and September, 2018. Participants completed a comprehensive survey on the prevalence and patterns of cannabis use, as well as risk behaviours, social norms, etc.

SAMPLE AND RECRUITMENT

Individuals were eligible to participate if they resided in a Canadian province or US state, were 16–65 years old at the time of recruitment, and had access to the internet. A sample of respondents living in the Canadian Northwest and Yukon Territories was recruited separately through Public Health Ontario. Eligibility criteria for the Territories sample were age ≥19 years and access to the internet.

Respondents from Canadian provinces and US states were recruited using the *Nielsen Consumer Insights Global Panel*, which maintains panels in Canada and the US (http://www.nielsen.com/ca/en/about-us.html). The Nielsen panels are recruited using both probability and nonprobability sampling methods in each country. For the current project, Nielsen drew stratified random samples from the online panels in each country, based on known proportions in each age group. To account for differential response rates, Nielsen modified these sampling proportions to place greater weight on sub-groups with lower response rates. Respondents from two Canadian territories (Yukon and Northwest Territories) were recruited by Public Health Ontario. These respondents had participated in an existing alcohol labelling study and were asked if they would like to participate in a study on cannabis. Interested participants were recruited for

the current study by email. If interested, participants were sent an unique URL to access the cannabis survey; unique URLs were provided to the PI by *Nielsen*.

Monetary incentives have been shown to increase response rates and to decrease response bias among sub-groups commonly under-represented in surveys, including disadvantaged subgroups. Respondents from Canadian provinces and US states were provided with incentives according to Nielsen's regular remuneration structure. Respondents from the Canadian territories were sent $15 CDN by *INTERAC* e-transfer.

ETHICS CLEARANCE

The project has been reviewed by and received ethics clearance through a University of Waterloo Research Ethics Committee (ORE#22392).

STUDY CONTENT

Respondents completed an online survey (~25 minutes) in English or French. Survey measures were drawn or adapted from national surveys or selected based on previous research. Development included focus groups and cognitive interviewing with youth and young adults, as well as an extensive pilot test with 1,045 Canadians aged 16-30.

The survey includes models on the following content areas:

- prevalence and patterns of cannabis use
- cannabis purchasing and price
- cannabis consumption and modes of use
- commercial retail environment
- risk behaviours
- cannabis knowledge, perceptions of risk and social norms
- exposure to health warnings and public educational campaigns
- exposure to cannabis marketing and branding
- substance use and other risk behaviours
- socio-demographics, postal code, and socio-economic status

The full Wave 1 survey is provided in the following section.

SURVEY MEASURES

STUDY INFORMATION & INFORMED CONSENT

Note: Variable names are in square brackets	To see if you are eligible for this survey, please answer a few short questions about yourself. Your responses will remain strictly confidential.
COUNTRY [COUNTRY]	PROGRAMMER NOTE: IF COUNTRY=3 (Other), individual must be disqualified from survey. This is a mandatory question. What country do you currently live in? 1= Canada 2= USA 3= Other PROGRAMMER NOTE: If COUNTRY=3, THEN: "Thank you for your time." END SURVEY UNIVERSE: ALL
AGE [AGE]	**How old are you today? _____ [numeric]** PROGRAMMER NOTE: Numeric entry [Value [00] = 16 to 65]; **IF** [AGE<16 OR >65; "Sorry, you are not eligible to participate in this study, thank you for your time." This is a mandatory question.
SMARTPHONE WARNING [SMARTPHONE]	**STOP HERE IF YOU ARE USING A SMARTPHONE!** The survey will only work on a laptop, desktop computer or tablet. Do NOT click 'next' if you are using a smartphone: you will be locked out of the survey. **Close your browser and reopen the link on a laptop, desktop computer or tablet.**
INFO SCREEN [INFO1]	Please read the following information before you decide whether or not to participate. 1. The purpose of this research study is to understand marijuana use and the impact of marijuana policies in different [US: "states", Canada: "provinces and territories"] and countries. 2. You will be asked about marijuana use and your opinions about marijuana use. You will also be asked some questions about other health-related behaviours and your background. 3. This study is being led by Professor David Hammond at the University of Waterloo, Canada. 4. As a thank you for participating, the survey firm will provide their usual compensation to the panel member. **PROGRAMMER NOTE: ALTERNATE WORDING FOR YUKON/NWT RESPODENTS**

As a token of thanks, you will be sent a $15 INTERAC e-transfer through TD Canada Trust bank approximately 2 days after participating in this survey.

5. This survey will take about 25 minutes to complete.

6. You must be between 16 and 65 years of age to participate in this study.

7. Participation is voluntary. Some questions are required to complete the survey; for all other questions, you can click 'refuse to answer' to any question you do not wish to answer and will still receive your remuneration.

8. You can withdraw from the study at any time by closing your browser; however, you will not receive compensation.

9. All of the information you provide will be grouped with responses from other participants, which means that there will be no way to identify participants individually.

10. The data will be stored for a minimum of 7 years on a secure University of Waterloo server. Researchers will not collect or use internet protocol (IP) addresses or other information which could link your responses to your computer or electronic device. When information is transmitted over the internet, privacy cannot be guaranteed. There is always a risk your responses may be intercepted by a third party (e.g., government agencies, hackers).

11. This study has been reviewed and received ethics clearance through a University of Waterloo Research Ethics Committee (ORE #22392). If you have questions for the Committee contact the Office of Research Ethics, at 1-519-888-4567 ext. 36005 or ore-ceo@uwaterloo.ca.

12. For all other questions about the study, please contact Professor David Hammond of the University of Waterloo at 1-519-888-4567 ext. 36462 or david.hammond@uwaterloo.ca.

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| CONSENT [CONSENT] | Based on the information you received, do you agree to take part in this research study being conducted by Professor David Hammond of the University of Waterloo?

1=Yes
2=No

PROGRAMMER NOTE: If CONSENT=2, THEN:
"Thank you for your time."
END SURVEY |

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SOCIODEMOGRAPHIC QUESTIONS

DEMOGRAPHICS INTRO	The first few questions help us learn a little more about you. UNIVERSE: ALL
SEX **[SEX.BIRTH]** *Source: CCHS*	**PROGRAMMER NOTE**: This is a mandatory question. What sex were you assigned at birth, on your original birth certificate? (We'll ask you about what gender you identify with later.) 1= Female 2= Male -77=Don't know -88=Refuse to answer UNIVERSE: ALL **PROGRAMMER NOTE**: If SEX.BIRTH= -77 or -88, display text: Unfortunately, we need to know your sex to determine your eligibility for the study. Would you like to answer this question? 1= Yes **[PROGRAMMER:** Take them back to SEX.BIRTH] 2= No (I understand this means I cannot participate in this survey and will not receive remuneration) [**PROGRAMMER**: show text: "We understand—thanks for your time."] [END SURVEY]
REGION CANADA **[PROVINCE.CANADA]**	**PROGRAMMER NOTE**: This is a mandatory question. Which province or territory do you currently live in? [insert drop-down list of provinces and territories] 1=British Columbia 2=Alberta 3=Saskatchewan 4=Manitoba 5=Ontario 6=Quebec 7=New Brunswick 8=Nova Scotia

	9=Prince Edward Island 10=Newfoundland & Labrador 11=Yukon 12=Northwest Territories 13=Nunavut -77= Don't know -88= Refuse to answer UNIVERSE: COUNTRY=1 (CANADA) **PROGRAMMER NOTE**: If PROVINCE.CANADA= -77 or -88, display text: This question is required if you would like to participate in the survey. Are you willing to provide an answer? 1= Yes **[PROGRAMMER:** Take them back to PROVINCE.CANADA] 2= No (I understand this means I cannot participate in this survey and will not receive remuneration) [**PROGRAMMER**: show text: "We understand—thanks for your time."] [END SURVEY]
REGION US **[STATE.US]**	**PROGRAMMER NOTE**: This is a mandatory question. What state do you currently live in? [insert drop-down list of states] 1= Alabama 2= Alaska 3= Arizona 4= Arkansas 5= California 6= Colorado 7= Connecticut 8= Delaware 9= Florida 10= Georgia 11= Hawaii 12= Idaho 13= Illinois 14= Indiana 15= Iowa 16= Kansas 17= Kentucky

18= Louisiana
19= Maine
20= Maryland
21= Massachusetts
22= Michigan
23= Minnesota
24= Mississippi
25= Missouri
26= Montana
27= Nebraska
28= Nevada
29= New Hampshire
30= New Jersey
31= New Mexico
32= New York
33= North Carolina
34= North Dakota
35= Ohio
36= Oklahoma
37= Oregon
38= Pennsylvania
39= Rhode Island
40= South Carolina
41= South Dakota
42= Tennessee
43= Texas
44= Utah
45= Vermont
46= Virginia
47= Washington State
48= West Virginia
49= Wisconsin
50= Wyoming
51= District of Columbia
-77= Don't know
-88= Refuse to answer

UNIVERSE: COUNTRY=2 (USA)

	PROGRAMMER NOTE: If STATE.US= -77 or -88, display text: This question is required if you would like to participate in the survey. Are you willing to provide an answer? 1= Yes [**PROGRAMMER:** Take them back to STATE.US] 2= No (I understand this means I cannot participate in this survey and will not receive remuneration) [**PROGRAMMER**: show text: "We understand—thanks for your time."] [END SURVEY] NOTE: 9 'legal' states are: Alaska (2), California (5), Colorado (6), Maine (18), Massachusetts (20), Nevada (26), Oregon (35), Washington State (44), and Vermont (42). The rest are 'illegal', except Washington DC.
CITY **[CITY]**	**PROGRAMMER NOTE**: Can we have drop-down lists specific to province/state + open-ended for unlisted cities/towns? If not, use open-ended text box. What **city or town** do you live in? We are asking because we are interested in the characteristics of your city/town, including the number of stores that sell marijuana. **Your information will not be shared with any other group and it will always be kept strictly confidential.** This is not-for-profit research and we won't share your data with any company or advertiser. City/town: _____ -77= Don't know -88= Refuse to answer
STUDENT STATUS **[CURR.ED]**	Are you currently a student or will you be going to school next term? 1= Yes 2= No -77=Don't know -88=Refuse to answer UNIVERSE: ALL
OCCUPATION **[OCCUPATION]** *Source: adapted from CCHS*	**PROGAMMER NOTE:** Allow them to select more than one option, but we won't say "select all that apply". What was your main activity in the **past week**? 1= Working at a paid job or business 2= Vacation (from paid work)

	3= Looking for paid work
	4= Going to school (including vacation from school)
	5= Caring for children
	6= Household work
	7= Retired
	8= Maternity/paternity leave
	9= Long term illness
	10= Volunteering
	11= Care-giving other than for children
	12= Other (please specify):_____
	-77= Don't know
	-88= Refuse to answer
	UNIVERSE: ALL
OCCUPATION RISK [WORK.RISK] *Source: adapted from Career Handbook for Environmental Conditions (2006); Government of Canada*	In your job, do you perform hazardous or safety-sensitive tasks at least once a week? Hazardous or safety-sensitive work is considered work that, if not performed safely, could lead to physical harm to the worker or others or damage to the environment or property. **Click for examples of hazardous/safety-sensitive jobs:** Examples include driving a motor vehicle; operating or working in proximity to equipment, machinery, or tools; working from heights 2 meters or more above ground; working with or where hazardous substances are present (e.g., chemicals, flammable liquids, gases); sharps work (e.g., needles, scalpels, scissors, knives); working near hot objects and surfaces, open flames, or steam; electrical work that may be a source of electrical shock; manual handling of loads greater than 20kg/44lb; and working where flying particles or falling objects could cause bodily injury. [**PROGRAMMER NOTE:** Make the above text (starting with "Examples include…" show up only if they click "Click for examples…"] 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: OCCUPATION=1, 2, 3, 10

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CONSUMPTION

CANNABIS USE INTRO	**PROGRAMMER NOTE:** MAKE FONT SIZE TWICE AS LARGE AS THE SIZE OF THE TEXT IN THE SURVEY QUESTIONS. The following questions ask about **marijuana**. We will use the term **marijuana** (also known as *cannabis*, *pot*, *weed, hash, kush, or CBD*) to refer to **all** of the different forms the plant and its preparations, including: • Dried herb • Edibles • Oils • Hash or kief • Concentrates (wax, shatter, budder, etc.), • Marijuana drinks (tea, cola), etc. • Tinctures, lotions, or other marijuana products Please include ALL of these forms and types of preparations when we ask you about '**marijuana**'.
CANNABIS USE INTRO	**PROGRAMMER NOTE:** MAKE FONT SIZE TWICE AS LARGE AS THE SIZE OF THE TEXT IN THE SURVEY QUESTIONS. We understand that marijuana can be a sensitive issue and that some people aren't comfortable sharing this information. To protect your privacy, we will never ask your name and we don't collect information such as your IP address or computer location. This is not-for-profit research and we will never share data with any company or advertiser. Your answers to this survey will be <u>anonymous</u> and will <u>never be stored with any personal information</u>. Thanks for being as honest as you can when answering. NEXT
CANNABIS USE - TRY [EVER.TRY] *Source: CSTADS 2016/2017*	Have you ever tried marijuana? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL **PROGRAMMER NOTE:** If EVER.TRY= -77 or -88, ask:

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	This question is required if you would like to participate in the survey. Are you willing to provide an answer? 1= Yes [**PROGRAMMER:** Take them back to EVER.TRY] 2= No (I understand this means I cannot participate in this survey and will not receive remuneration) [**PROGRAMMER**: show text: "We understand—thanks for your time."] [END SURVEY]
CANNABIS USE – LAST TIME **[USE.RECENT]** *Source: New (similar to NSDUH)*	When was the last time you used marijuana? 1= More than 12 months ago 2= More than 3 months ago but less than 12 months ago 3= More than 30 days ago, but less than 3 months ago 4= Within the past 30 days -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=1 **PROGRAMMER NOTE:** If USE.RECENT= -77 or -88, ask: This survey is about marijuana use, so we need to know the last time you used marijuana. We won't make you answer all questions, this question is required if you would like to participate in the survey. Would you like to answer this question? 1= Yes [**PROGRAMMER:** Take them back to USE.RECENT**]** 2= No (I understand this means I cannot participate in this survey and will not receive remuneration) [**PROGRAMMER**: show text: "We understand—thanks for your time."] [END SURVEY]
CANNABIS USE - FREQUENCY **[CURRENT.USE]** *Source: CSTADS 2016/2017 adapted*	How often do you use marijuana? 1= Less than once per month 2= One or more times per month 3= One or more times per week 4= Every day or almost every day -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 **PROGRAMMER NOTE:** If CURRENT.USE= -77 or -88, ask: This survey is about marijuana use, so we need to know how often you use marijuana. We won't make you answer all questions, but this question is required if you would like to participate in the survey. Would you like to answer this question?

	1= Yes [**PROGRAMMER:** Take them back to CURRENT.USE] 2= No (I understand this means I cannot participate in this survey and will not receive remuneration) [**PROGRAMMER**: show text: "We understand—thanks for your time."] [END SURVEY]
CANNABIS USE – FREQUENCY QUANTIFIED **[USE.FREQUENCY]** *Source: modified NSDUH*	[**PROGRAMMER NOTE**: please display the options below based on Current.Use: **If CURRENT.USE=3 OR 4** On average, how many **days per week** do you use marijuana: _____[**PROGRAMMER**: Range= 1-7] **If CURRENT.USE=2** On average, how many **days per month** do you use marijuana: _____[**PROGRAMMER**: Range = 1- 31] **If CURRENT.USE=1** Approximately **how many days over the past 12 months** did you use marijuana:_____ [**PROGRAMMER**: Range= 1-365] UNIVERSE: USE.RECENT=2,3,4
CANNABIS USE - WAKING [TIME.TO.USE] *Source: FTND*	[**PROGRAMMER NOTE**: allow them to answer in one or both text boxes. Make sure specific max. is programmed for each.] How soon after waking do you <u>usually</u> use marijuana? You can answer with minutes or hours, or use both hours and minutes to give a more accurate answer. 1= Minutes: ____ [**PROGRAMMER:** max = 1440] 2= Hours: _____ [**PROGRAMMER:** max = 24] -77= Don't know -88= Refuse to answer UNIVERSE: CURRENT.USE=4 (everyday users)

INITIATION & SUSCEPTIBILITY

AGE OF INITIATION [AOI] *Source: CSTADS*	How old were you when you first used marijuana? Enter age in years:_____ UNIVERSE: EVER.TRY=1
USE INTENTIONS	**PROGRAMMER NOTE:** If EVER.TRY=2 (never tried):

[FUTURE.TRY1] *Source: CSTADS 2016/2017 Edited from "smoking cigarettes" to "using marijuana or cannabis (a joint, pot, weed, hash, or hash oil)".*	Do you think in the future you might try using marijuana? **PROGRAMMER NOTE:** If USE.RECENT=1-3 (haven't used in the past month) Do you think in the future you will use marijuana? 1=Definitely yes 2=Probably yes 3=Probably not 4=Definitely not -77= Don't know -88= Refuse to answer UNIVERSE: SEE PROGRAMMER NOTE
USE INTENTIONS - FRIENDS **[FUTURE.TRY2]** *Source: CSTADS 2016/2017 Edited from "smoking cigarettes" to "using marijuana or cannabis (a joint, pot, weed, hash, or hash oil)".*	If one of your closest friends were to offer you marijuana, would you try it? 1=Definitely yes 2=Probably yes 3=Probably not 4=Definitely not -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=2 OR USE.RECENT=1
USE INTENTIONS – NEXT YEAR **[FUTURE.TRY3]** *Source: adapted from CSTADS 2016/2017 Edited from "smoking cigarettes" to "using marijuana or cannabis (a joint, pot, weed, hash, or hash oil)". Changed "year" to "12 months"*	At any time during the **next 12 months**, do you think you will use marijuana? 1=Definitely yes 2=Probably yes 3=Probably not 4=Definitely not -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=2 OR USE.RECENT=1
USE INTENTIONS - LEGALITY **[LEGAL.EVERUSE]** *Source: Modified Health Canada Draft Survey*	**PROGRAMMER NOTE:** If EVER.TRY=2 or USE.RECENT=1 (never tried or used over a year ago): If marijuana were legal to use, would you be less likely or more likely to use it? 1=A <u>lot LESS</u> likely to use if legal 2=A <u>little LESS</u> likely to use if legal

	3=No effect if legal 4=A <u>little MORE</u> likely to use if legal 5=A <u>lot MORE</u> likely to use if legal -77= Don't know -88= Refuse to answer **PROGRAMMER NOTE:** If USE.RECENT=2,3,4 (have used in the past year): If marijuana were legal to use, would it change how often you use it? 1=Use a <u>lot LESS</u> often if legal 2=A <u>little LESS</u> often if legal 3=No effect if legal 4=A <u>little MORE</u> often if legal 5=A <u>lot MORE</u> often if legal -77= Don't know -88= Refuse to answer UNIVERSE: CANADA AND US 'ILLEGAL' STATES ONLY PROVINCE.CANADA = 1,2,3,4,5,6,7,8,9,10,11,12,13 OR STATE.US does NOT equal 2,5,6,19,21,28,37,45, 47,51
USE INTENTIONS - **LEGALITY** **[LEGAL.EVERUSE]** *Source: Modified Health* *Canada Draft Survey*	**PROGRAMMER NOTE:** If EVER.TRY=2 (never tried): Has marijuana legalization made you less likely or more likely to try marijuana? 1=A <u>lot LESS</u> likely to try 2=A <u>little LESS</u> likely to try 3=No effect 4=A <u>little MORE</u> likely to try 5=A <u>lot MORE</u> likely to try -77= Don't know -88= Refuse to answer **PROGRAMMER NOTE:** IF EVER.TRY=1 (have tried): Has marijuana legalization influenced your use of marijuana? 1=A <u>lot less</u> likely to use 2=A <u>little less</u> likely to use 3=No effect 4=A <u>little more</u> likely to use 5=A <u>lot more</u> likely to use -77= Don't know -88= Refuse to answer

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	UNIVERSE: ONLY INCLUDE US LEGAL STATES [Alaska (2), California (5), Colorado (6), Maine (18), Massachusetts (20), Nevada (26), Oregon (35), Washington State (44), Vermont (42), DC (51)].

CANNABIS MODES, PURCHASING & PRICE

CANNABIS SOURCE [CANNABIS.SOURCE1] *Source: New*	In the **past 12 months**, have you gotten **any type of marijuana** from the following sources? SELECT ALL THAT APPLY. 1= Made or grew your own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
CANNABIS SOURCE – GROW [CANNABIS.SOURCE2] *Source: New*	Did you grow any **marijuana plants** in the **past 12 months**? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: CANNABIS.SOURCE1=1 (grew my own)
PURCHASE AMOUNT- PLANTS [PLANTS.AMOUNT] *Source: New*	In total, how many **marijuana plants** did you grow in the **past 12 months**? ENTER NUMBER OF PLANTS: _____ -77= Don't know -88= Refuse to answer UNIVERSE: CANNABIS.SOURCE2=1 (grew my own)

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CANNABIS SOURCE-PLANTS **[PLANTS.PURCHASE]** *Source: Modified Health Canada Survey Draft*	Did you buy or pay for the **marijuana plants or seeds** you grew in the **past 12 months**? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: CANNABIS.SOURCE2=1
MONEY SPENT- PLANTS **[MONEY.PLANTS]** *Source: New*	In total, how much money did you spend on all of the **marijuana plants or seeds** you bought in the **past 12 months**? ENTER DOLLAR AMOUNT: $_____ -77= Don't know -88= Refuse to answer UNIVERSE: PLANTS.PURCHASE=1
CANNABIS SOURCE - STORE **[CANNABIS.SOURCE3]** *Source: New*	From what type of **store or dispensary** did you buy **marijuana in the past 12 months**? SELECT ALL THAT APPLY. 1= [**PROGRAMMER**: IN USA= 'A <u>licensed</u> dispensary or co-operative'; IN CANADA: ' A licensed/authorized store/dispensary'] 2= A licensed <u>recreational</u> store [**PROGRAMMER**: this option is for USA only] 3= An unlicensed or unauthorized store/dispensary 4= Other type of store/dispensary (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: CANNABIS.SOURCE1=6 (store)
CANNABIS SOURCE - WEBSITE **[CANNABIS.SOURCE4]** *Source: New*	From what type of **internet service** did you buy **marijuana in the past 12 months**? SELECT ALL THAT APPLY. 1= An <u>authorized/licensed</u> website 2= An <u>unauthorized or unlicensed</u> private delivery service or dealer [US only: 'not affiliated with a dispensary/co-operative'] (including through *Weedmaps* or *Leafly*) 3 = Other type of internet service (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: CANNABIS.SOURCE1=5 (from a website)
CANNABIS SOURCE - REASON	[**PROGRAMMER NOTE**: IF CANNABIS.SOURCE3=1 OR 2 <u>AND</u> 3, OR CANNABIS.SOURCE4=1 <u>AND</u> 2 (AUTHORIZED PLUS UNAUTHORIZED SOURCE), ADD THE FOLLOWING TEXT ABOVE THE QUESTION: "When you bought marijuana from unauthorized/unlicensed sources…"]

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[CANNABIS.ILLEGAL] *Source: New*	What are the main reasons you bought marijuana from <u>unauthorized</u> sources instead of licensed sources? SELECT ALL THAT APPLY. 1= I can get **types of** products that are <u>not</u> sold by licensed sources 2= Lower prices than licensed sources 3= Easier to get / more convenient than licensed sources 4= I don't want the government to know that I buy marijuana 5= I can get stronger/more potent products 6=Other reason(s) (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: CANNABIS.SOURCE3=3, OR CANNABIS.SOURCE4=2 (unauthorized sources).
MONEY SPENT- ALL **[MONEY.ALL]**	**PROGRAMMER NOTE**: DERIVE TIME FRAME BASED ON RESPONSE TO MODE.FREQUENCY If **USE.RECENT** =2 OR 3 THEN 'the past 12 months' If **USE.RECENT** =4 THEN 'the past month' Overall, how much money [past 12 months or past month: "did", other time frames: "do"] you spend on **all types** of marijuana (including plants) in [**TIME FRAME**]? ENTER DOLLAR AMOUNT:_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
CANNABIS USE - MODES **[USE.MODES]** *Source: Health Canada Draft Survey*	Have you used marijuana in any of the following ways? (see table below)

Have you used marijuana in any of the following ways?

	No	Yes, but NOT in past 12 months	Yes, in past 12 months	Don't know
1= Dried herb (smoked or vaped)	o	o	o	o
2= Cannabis oils or liquids **taken orally** (e.g., drops)	o	o	o	o
3= Cannabis oils or liquids **for vaping**	o	o	o	o
4= Edibles / foods	o	o	o	o
5= Drinks (e.g., marijuana cola, tea or coffee)	o	o	o	o
6= Concentrates (e.g., wax, shatter, budder)	o	o	o	o
7= Hash or kief	o	o	o	o
8= Tinctures	o	o	o	o
9= Topical ointments (e.g., skin lotions)	o	o	o	o
10= Other (please specify):_____	o	o	o	o

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	UNIVERSE: USE.RECENT=2,3,4
CANNABIS USE – MODE FREQUENCY [MODE.FREQUENCY]	In the **past 12 months**, how often did you use marijuana in the following ways? **PROGRAMMER NOTE:** INSERT LIST OF OPTIONS SELECTED IN THE PAST 12 MONTHS FROM **USE.MODES** VARIABLE; SHOW IN TABLE FORMAT WITH OPTIONS LISTED BELOW. 1= Less than once a month 2= Monthly 3= Weekly 4= Daily -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND PAST 12 MONTH USERS OF EACH METHOD IN MODE.FREQUENCY
CANNABIS USE – REPORTING CHOICE [IMAGE.CHOICE]	**PROGRAMMER NOTE**: DERIVE TIME FRAME BASED ON RESPONSE TO MODE.FREQUENCY If MODE.FREQUENCY=1, -77 or -88 THEN 'the past 12 months If MODE.FREQUENCY=2 THEN 'a usual month' If MODE.FREQUENCY=3 THEN 'a usual week' If MODE.FREQUENCY=4 THEN 'a usual day' We'd like to ask you how much dried herb you [past 12 months: "used"; other time frames: "use"] in [**TIME FRAME**]. Is it easiest for you to tell us about the number of joints or the amount of dried herb (e.g., grams or ounces)? 1= Number of joints 2= Amount of dried herb UNIVERSE: USE.MODES=1, and USE.RECENT=2,3,4
CANNABIS USE - JOINT [HERB.JOINT1]	**PROGRAMMER NOTE:** Insert 6 images "joint 1 – with label" to "joint 6 - with label". Use image "joints layout" for reference of how to lay out the joint images. Please put a check box to the left of each so respondent can choose ONE joint size. Please choose the joint that is closest to the size you normally smoke.

1.2 grams

1.0 gram

0.8 gram

0.6 gram

0.4 gram

0.2 gram

UNIVERSE: IMAGE.CHOICE=1

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| CANNABIS USE - JOINT [HERB.JOINT2] | **PROGRAMMER NOTE:**
DERIVE TIME FRAME BASED ON RESPONSE TO MODE.FREQUENCY
If MODE.FREQUENCY=1, -77 or -88 THEN 'in the past 12 months'
If MODE.FREQUENCY=2 THEN 'in a usual month'
If MODE.FREQUENCY=3 THEN 'in a usual week'
If MODE.FREQUENCY=4 THEN 'in a usual day'

PROGAMMER NOTE: Insert image of the joint chosen in HERB.JOINT1.

How many joints of this size [past 12 months: "did"; other time frames "do"] you smoke [**INSERT TIME FRAME**]?

Only include the amount you personally smoke—don't include what you share with others.

[insert joint image beside dropdown list]

[Drop-down list]
1=Less than ¼ of a joint
2=¼ joint
3=½ joint
4=¾ joint
5=1 joint
6=2 joints
7=3 joints
8=4 joints
9=5 joints
10=6 joints
11=7 joints
12=8 joints
13=9 joints
14=10 joints
15=More than 10 joints
-77= Don't know
-88= Refuse to answer

UNIVERSE: IMAGE.CHOICE=1 |
| CANNABIS USE - JOINT [HERB.JOINT3] | **PROGRAMMER NOTE:**
DERIVE TIME FRAME BASED ON RESPONSE TO MODE.FREQUENCY
If MODE.FREQUENCY=1, -77 or -88 THEN 'in the past 12 months
If MODE.FREQUENCY=2 THEN 'in a usual month'
If MODE.FREQUENCY=3 THEN 'in a usual week'
If MODE.FREQUENCY=4 THEN 'in a usual day'

Please enter the number of joints of this size that you [past 12 months: "smoked"; other time frames: "smoke"] [**INSERT TIME FRAME**]. |

	ENTER NUMBER OF JOINTS:_____ -77= Don't know -88= Refuse to answer UNIVERSE: HERB.JOINT2=15
CANNABIS USE - HERB **[HERB.AMOUNT1]**	**PROGRAMMER NOTE**: DERIVE TIME FRAME (I.E., DAY/WEEK/MONTH/PAST-12MONTHS) BASED ON RESPONSE TO **MODE.FREQUENCY** If MODE.FREQUENCY=1, -77 or -88 THEN 'in the past 12 months If MODE.FREQUENCY=2 THEN 'in a usual month' If MODE.FREQUENCY=3 THEN 'in a usual week' If MODE.FREQUENCY=4 THEN 'in a usual day' **PROGRAMMER NOTE**: SHOW IMAGE: [*Herb Amounts.jpeg*] ON THE TOP OF THE SCREEN WITH ANSWER OPTIONS ON THE LEFT. [In a usual day/In a usual week/ In a usual month/In the past 12 months], how much **dried herb** [past 12 months: **"did"**; other time frames: "do"] you use? (Include both smoking and vaping dried herb) 1= Less than 1/8 (one eighth) gram 2= 1/8 (one eighth) gram 3= ¼ (one quarter) gram 4= ½ (half) gram 5= ¾ (three quarters) gram 6= 1 gram 7= 2 grams 8= 3 grams 9= 1/8 (one eighth) ounce 10= ¼ (one quarter) ounce 11= More than ¼ (one quarter) ounce -77= Don't know -88= Refuse to answer

	UNIVERSE: IMAGE.CHOICE=2
CANNABIS USE - HERB **[HERB.AMOUNT2]**	**PROGRAMMER NOTE**: SHOW IMAGE: [*DriedFlowerQtys.jpeg*] ON THE RIGHT HAND SIDE OF THE SCREEN WITH ANSWER OPTIONS ON THE LEFT. Did you use... 1= Half an ounce (14 g) 2= One ounce (28 g) 3= More than one ounce (>28 g) -77= Don't know -88= Refuse to answer IF **[HERB.AMOUNT2=3]** ASK AND ALLOW TWO DECIMAL SPACES [000.00]: Please indicate the usual amount using <u>ONE of the following</u>: [Numeric field] Number of **ounces** OR [Numeric field] Number of **pounds** OR [Numeric field] Number of **kilograms** Note: 1 lb = 16 ounces and 1 kg = 35 ounces UNIVERSE: HERB.AMOUNT1=11, and IMAGE.CHOICE=2
CANNABIS SOURCE - HERB **[HERB.SOURCE1]** *Source: New*	In the **past 12 months**, how did you get the **dried herb** you used? SELECT ALL THAT APPLY. 1= I grew my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=1 (in past 12 months)

CANNABIS SOURCE - STORE [HERB.SOURCE1B] *Source: New*	In the past 12 months, from what type of **store or dispensary** did you buy **dried herb**? SELECT ALL THAT APPLY. 1= [**PROGRAMMER**: IN USA= 'A <u>licensed</u> dispensary or co-operative'; IN CANADA: ' <u>A licensed/authorized </u>store/dispensary'] 2= A licensed <u>recreational</u> store [**PROGRAMMER**: this option is for USA only] 3= An unlicensed or unauthorized store/dispensary 4= Other type of store/dispensary (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: HERB.SOURCE1=6 (store)
CANNABIS SOURCE - WEBSITE [HERB.SOURCE1C] *Source: New*	In the past 12 months, from what type of **internet service** did you buy **dried herb**? SELECT ALL THAT APPLY. 1= An <u>authorized/licensed</u> website 2= An <u>unauthorized or unlicensed</u> private delivery service or dealer [US only: 'not affiliated with a dispensary/co-operative'] (including through *Weedmaps* or *Leafly*) 3 = Other type of internet service (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: HERB.SOURCE1=5 (internet)
CANNABIS SOURCE - % DRIED [HERB.SOURCE2] *Source: Modified Health Canada Survey Draft*	What percent (%) of **dried herb** that you used in the past 12 months did you get from each source: [Insert sources selected from HERB.SOURCE1 with open fields for entry of % numbers that sum to 100%] -77=Don't know -88=Refuse to answer UNIVERSE: HERB.SOURCE1= MORE THAN 1 OPTION SELECTED
CANNABIS SOURCE - SMOKE [HERB.TOBACCO]	Of **all** the **dried herb** that you used in the past 12 months, what percent (%) do you… 1= Smoke without tobacco_____% 2= Smoke with tobacco____% 3= Vape____% 4= Other (please specify): _____% -77=Don't know -88=Refuse to answer

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	[numeric field for each, Must add up to 100%] UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=1
CANNABIS SOURCE - HERB [HERB.PURCHASE] *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the **dried herb** you used? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=1 AND YES to past-12 months
TIMEFRAME - HERB [HERB.TIMEFRAME]	We would like to know how much dried herb you bought or paid for in the past 12 months. Which time frame is easiest for you to report the amount of **DRIED HERB** you purchased: a usual week, a usual month, or the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the dried herb I used over the past year -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND HERB.PURCHASE=1 IF HERB_TIMEFRAME=4, skip to HERB_THCRATIO.
MONEY SPENT - HERB [HERB.MONEY] *Source: New*	In total, how much money [past 12 months: "did", other time frames: "do"] you spend on all of the **dried herb** you [past 12 months: "bought'; other time frames: "buy"] **[in a usual (week/month) or In the past 12 months]**…. [IF **PLANTS.PURCHASE**=1, ADD: "Please don't include money you spent on seeds or plants."] ENTER DOLLAR AMOUNT: _$_____ -77= Don't know -88= Refuse to answer UNIVERSE: HERB.SOURCE1=2-6, POPULATE TIME FRAME WITH [HERB.TIMEFRAME] VARIABLE. If -77 or -88, use "past 12 months" language.
CANNABIS USE – REPORTING CHOICE [IMAGE.CHOICE2]	We'd like to ask you how much **dried herb** you bought the **last time** you bought it. Is it easiest for you to tell us about the number of joints or the amount of dried herb (e.g., grams or ounces) you used? 1= Number of joints

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	2= Amount of dried herb UNIVERSE: USE.RECENT=2,3,4 , and HERB.PURCHASE=1
LAST PURCHASE - HERB **[PURCH.JOINT]** *Source: New*	**PROGRAMMER NOTE:** Insert image of joint selected in HERB.JOINT1. **The last time** you purchased **dried herb**, how much did you buy… [Display *joint* image selected in HERB.JOINT1] ***PROGRAMMER: If HERB.JOINT1 is not answered and user chooses IMAGE.CHOICE2=1:*** **[Insert 'Joint 2 – with label' image]** [Drop-down list] 1=1 joint 2=2 joints 3=3 joints 4=4 joints 5=5 joints 6=6 joints 7=7 joints 8=8 joints 9=9 joints 10=10 joints 11=11 joints 12=12 joints 13=13 joints 14=14 joints 15=15 joints 16=16 joints 17=17 joints 18=18 joints 19=19 joints 20=20 joints 21=more than 20 joints -77=Don't know -88=Refuse to answer UNIVERSE: HERB.PURCHASE=1 and IMAGE.CHOICE2=1
LAST PURCHASE - HERB **[HERB.LASTPURCH1A]**	**PROGRAMMER NOTE:** Insert image *HerbAmounts.jpg*

	The last time you purchased **dried herb**, how much did you buy… 1= Less than 1/8 (one eighth) gram 2= 1/8 (one eighth) gram 3= ¼ (one quarter) gram 4= ½ (half) gram 5= ¾ (three quarters) gram 6= 1 gram 7= 2 grams 8= 3 grams 9= 1/8 (one eighth) ounce 10= ¼ (one quarter) ounce 11= More than ¼ (one quarter) ounce -77= Don't know -88= Refuse to answer UNIVERSE: HERB.PURCHASE=1 and IMAGE.CHOICE2=2
LAST PURCHASE - HERB **[HERB.LASTPURCH1B]**	**PROGRAMMER NOTE:** Insert image *DriedFLowerQtys.jpg* **The last time** you purchased **dried herb**, how much did you buy…

Did you buy…

1= Half an ounce (14 g)
2= One ounce (28 g)
3= More than one ounce (>28 g)
-77= Don't know
-88= Refuse to answer

PROGRAMMER: IF **[LASTPURCH1B=3]** ASK AND ALLOW TWO DECIMAL SPACES [000.00]:

Thinking of the **last time** you purchased **dried herb**, please indicate the amount using one of the following:
[Numeric field] Number of **ounces** OR

[Numeric field] Number of **pounds** OR

[Numeric field] Number of **kilograms**

Note: 1 lb = 16 ounces and 1 kg = 35 ounces

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	-77= Don't know -88= Refuse to answer UNIVERSE: HERB.PURCHASE=1 and IMAGE.CHOICE2=2 and HERB.LASTPURCH1A=11
LAST PURCHASE - HERB **[HERB.SPENTLAST]**	**The last time** you purchased **dried herb**, how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: HERB.PURCHASE=1
THC RATIO – HERB **[HERB.THCRATIO]** *Source: New*	Which of the following best describes the type of **dried herb** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=1
CANNABIS SOURCE - HERB **[HERB.THC2]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT (mg or %) OR DON'T KNOW FOR EACH. What are the **THC and CBD levels** in the **DRIED HERB** you usually use? 1= Enter **mg THC** [ ] <u>OR</u> Enter **THC level** % [ ] <u>OR</u> Don't know 2= Enter **mg CBD** [ ] <u>OR</u> Enter **CBD level** % [ ] <u>OR</u> Don't know -88= Refuse to answer UNIVERSE: USE.MODES=1
CANNABIS USE - LIQUID **[LIQUID.AMOUNT]**	**PROGRAMMER NOTE**: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=2=PAST 12-MONTHUSE** **PROGRAMMER NOTE**: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=2**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY** If -77 or -88, use "past 12 months" language. **PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT.

	[In a usual day/In a usual week/ In a usual month/In the past 12 months], how much **cannabis/marijuana oil or liquid taken orally (e.g., drops)** [past 12 months: "did"; other time frames: "do"] you use? 1 mL = 40 drops 0.75 mL = 30 drops 0.5 mL = 20 drops 0.25 mL = 10 drops 0.05 mL = 2 drops 0.025 mL = 1 drop **30 mL/1 oz** ENTER NUMBER: _____ [drop-down list: mL/fl oz/drop(s)] -77= Don't know -88= Refuse to answer
CANNABIS SOURCE - LIQUID **[LIQUID.SOURCE1]** *Source: Modified Health Canada Survey Draft*	In the **past 12 months**, how did you get the **cannabis/marijuana oil or liquid taken orally (e.g., drops)** you used? SELECT ALL THAT APPLY. 1=I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=2
CANNABIS SOURCE - OIL **[LIQUID.SOURCE2]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE**: IF LIQUID.SOURCE= MORE THAN 1 OPTION SELECTED ASK: What percent (%) of **cannabis/marijuana oil or liquid taken orally (e.g., drops)** that you used in the past 12 months did you get from each source: -77=Don't know

	-88=Refuse to answer [Insert sources selected from LIQUID.SOURCE1 with open fields for entry of % numbers that sum to 100%]
CANNABIS SOURCE - LIQUID **[LIQUID.PURCHASE]** *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the **cannabis/marijuana oil or liquid taken orally (e.g., drops)** you used? 1= Yes 2= No -77= Don't know -88= Refuse to answer **UNIVERSE**: USE.MODES=2 AND YES to past 12 months
TIMEFRAME - LIQUID **[LIQUID.TIMEFRAME]**	We'd like to know how much cannabis/marijuana oil or liquid taken orally (e.g., drops) you bought or paid for in the past 12 months. Which time frame is easiest for you to report the amount of **cannabis/marijuana oil or liquid taken orally (e.g., drops)** you purchased: in a usual week, a usual month, or the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the marijuana oil or liquid I used over the past 12 months -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, and LIQUID.PURCHASE=1 IF LIQUID_TIMEFRAME=4, skip to LIQUID_THCRATIO.
MONEY SPENT - LIQUID **[LIQUID.MONEY]** *Source: New*	POPULATE TIME FRAME WITH [LIQUID.TIMEFRAME] VARIABLE If -77 or -88, use "past 12 months" language. In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **cannabis/marijuana oil or liquid taken orally (e.g., drops)** **[In a usual [week/month] or In the past 12 months]**…. ENTER DOLLAR AMOUNT:_____ -77= Don't know -88= Refuse to answer UNIVERSE: LIQUID.PURCHASE=1

LAST PURCHASE - LIQUID **[LIQUID.LASTPURCH]**	**The last time** you purchased **cannabis/marijuana oil or liquid taken orally (e.g., drops)**, how much did you buy… 1 mL = 40 drops 0.75 mL = 30 drops 0.5 mL = 20 drops 0.25 mL = 10 drops 0.05 mL = 2 drops 0.025 mL = 1 drop **30 mL/1 oz** ENTER AMOUNT:_____ [drop-down list: mL/fl oz] -77= Don't know -88= Refuse to answer UNIVERSE: LIQUID.PURCHASE=1
MONEY SPENT - LIQUID **[LIQUID.SPENTLAST]** *Source: New*	**The last time** you purchased **cannabis/marijuana oil or liquid taken orally (e.g., drops),** how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: LIQUID.PURCHASE=1
THC RATIO – LIQUID **[LIQUID.THCRATIO]** ***Source: New***	Which of the following best describes the type of **cannabis/marijuana oil or liquid taken orally (e.g., drops)** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer

	UNIVERSE: USE.MODES=2
CANNABIS SOURCE - LIQUID **[LIQUID.THC2]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. What are the <u>**THC and CBD levels**</u> in the <u>**cannabis/marijuana oil or liquid taken orally (e.g., drops)**</u> you usually use? 1= Enter **mg THC** [ ] <u>OR</u> Enter **THC level** % [ ] <u>OR</u> Don't know 2= Enter **mg CBD** [ ] <u>OR</u> Enter **CBD level** % [ ] <u>OR</u> Don't know -88= Refuse to answer UNIVERSE: USE.MODES=2
CANNABIS USE - LIQUID FOR VAPING **[LIQUIDVAPE.AMOUNT]**	**PROGRAMMER NOTE**: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=3=PAST 12-MONTHUSE** **PROGRAMMER NOTE**: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=3**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY** If -77 or -88, use "past 12 months" language. **PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. [In a usual day/In a usual week/ In a usual month/In the past 12 months], how much <u>**cannabis/marijuana oil or liquid for vaping**</u> [past 12 months: "did"; other time frames: "do"] you use? 0.5 g cartridge ENTER NUMBER: _____ [drop-down list: g/mL/fl oz/vape hit(s)/cartridge(s)] -77= Don't know -88= Refuse to answer

CANNABIS SOURCE - LIQUID FOR VAPING **[LIQUIDVAPE.SOURCE1]** *Source: Modified Health Canada Survey Draft*	In the **past 12 months**, how did you get the **cannabis/marijuana oil or liquid for vaping** you used? SELECT ALL THAT APPLY. 1=I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=3
CANNABIS SOURCE - LIQUID FOR VAPING **[LIQUIDVAPE.SOURCE2]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE**: IF LIQUIDVAPE.SOURCE= MORE THAN 1 OPTION SELECTED ASK: What percent (%) of **cannabis/marijuana oil or liquid for vaping** that you used in the past 12 months did you get from each source: -77=Don't know -88=Refuse to answer [Insert sources selected from LIQUIDVAPE.SOURCE1 with open fields for entry of % numbers that sum to 100%]
CANNABIS SOURCE – LIQUID FOR VAPING **[LIQUIDVAPE.PURCHASE]** *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the **cannabis/marijuana oil or liquid for vaping** you used? 1= Yes 2= No -77= Don't know -88= Refuse to answer **UNIVERSE**: USE.MODES=3 AND YES to past 12 months
TIMEFRAME - LIQUID [**LIQUIDVAPE.TIMEFRAME**]	We'd like to know how much cannabis/marijuana oil or liquid for vaping you bought or paid for in the past 12 months. Which time frame is easiest for you to report the amount of **cannabis/marijuana oil or liquid for vaping** you purchased: in a usual week, a usual month, or the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the marijuana oil or liquid I used over the past 12 months -77= Don't know

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	-88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, and LIQUIDVAPE.PURCHASE=1 IF LIQUIDVAPE_TIMEFRAME=4, skip to LIQUIDVAPE_THCRATIO.
MONEY SPENT - LIQUID FOR VAPING [LIQUIDVAPE.MONEY] *Source: New*	POPULATE TIME FRAME WITH [LIQUIDVAPE.TIMEFRAME] VARIABLE If -77 or -88, use "past 12 months" language. In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **cannabis/marijuana oil or liquid for vaping [In a usual [week/month] or In the past 12 months]**…. ENTER DOLLAR AMOUNT:_____ -77= Don't know -88= Refuse to answer UNIVERSE: LIQUIDVAPE.PURCHASE=1
LAST PURCHASE - LIQUID FOR VAPING [LIQUIDVAPE.LASTPURCH]	**The last time** you purchased **cannabis/marijuana oil or liquid for vaping**, how much did you buy… ENTER AMOUNT:_____ [drop-down list: g/mL/fl oz/cartridge(s)] -77= Don't know -88= Refuse to answer UNIVERSE: LIQUIDVAPE.PURCHASE=1

MONEY SPENT – LIQUID FOR VAPING [LIQUIDVAPE.SPENTLAST] *Source: New*	**The last time** you purchased **cannabis/marijuana oil or liquid for vaping,** how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: LIQUIDVAPE.PURCHASE=1
THC RATIO – LIQUID FOR VAPING [LIQUIDVAPE.THCRATIO] *Source: New*	Which of the following best describes the type of **cannabis/marijuana oil or liquid for vaping** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=3
CANNABIS SOURCE - LIQUID [LIQUIDVAPE.THC2] *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. What are the **THC and CBD levels** in the **cannabis/marijuana oil or liquid for vaping** you usually use? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=3
CANNABIS USE - EDIBLES [EDIBLE.AMOUNT]	**PROGRAMMER NOTE**: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=4** **PROGRAMMER NOTE**: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=4**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY** If -77 or -88, use "past 12 months" language. [**In a usual day/In a usual week/ In a usual month/In the past 12 months**], how many **times** [past 12 months: "did"; other time frames "do"] you eat **edible marijuana products**?

1 product

[Check boxes: 0, Less than 1, 1, Enter number greater than 1:_____] times

-77= Don't know
-88= Refuse to answer

CANNABIS USE - EDIBLES [EDIBLE.THCKNOWLEDGE]	Do you how much **THC** is in <u>**one standard serving**</u> of an edible marijuana product? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL
CANNABIS USE - EDIBLES [EDIBLE.THCAMOUNT]	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. How much **THC** is in <u>**one standard serving**</u> of an edible marijuana product? ENTER AMOUNT: _____ [mg THC] or _____ [% THC] -77= Don't know -88= Refuse to answer UNIVERSE: EDIBLE.THCKNOWLEDGE = 1
CANNABIS USE - EDIBLES [EDIBLE.DOSE]	When you eat **edible marijuana products**, do you try to consume a specific amount of **THC**?

	1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: EDIBLE.THCKNOWLEDGE=1 AND USE.MODES=4
CANNABIS USE - EDIBLES [EDIBLE.DOSEAMOUNT]	**PROGRAMMER NOTE**: MAKE IT MANDATORY TO CHOOSE EITHER MG OR % THC. What amount of **THC** do you usually try to consume? ENTER AMOUNT: _____ mg THC OR _____ % THC UNIVERSE: EDIBLE.DOSE=1 AND USE.MODES=4
CANNABIS SOURCE - EDIBLES [EDIBLE.SOURCE1] *Source: Modified Health Canada Survey Draft*	In the **past 12 months**, how did you get the **edible marijuana products** you ate? SELECT ALL THAT APPLY. 1=I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=4
CANNABIS SOURCE - EDIBLES [EDIBLE.SOURCE2] *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE**: IF EDIBLE.SOURCE1 = MORE THAN 1 OPTION SELECTED ASK: What percent (%) of **edible marijuana products** did you get from each source: -77=Don't know -88=Refuse to answer [Insert sources selected from EDIBLE.SOURCE1 with open fields for entry of % numbers that sum to 100%]
CANNABIS SOURCE - EDIBLES [EDIBLE.PURCHASE] *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the **edible marijuana products** you ate? 1= Yes 2= No -77= Don't know -88= Refuse to answer

	UNIVERSE: USE.MODES=4 AND YES to past 12 months
TIMEFRAME - EDIBLES [EDIBLE.TIMEFRAME] *Source: New*	We would like to know how many edible marijuana products you bought or paid for. Which time frame is easiest for you to report the amount of **edible marijuana products** you purchased: in a usual week, a usual month, or the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the edible marijuana products I ate over the past 12 months -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND EDIBLE.PURCHASE=1 IF EDIBLE_TIMEFRAME=4, skip to EDIBLE_THCRATIO.
MONEY SPENT - EDIBLES [EDIBLE.MONEY] *Source: New*	In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **edible marijuana products [In a typical [week/month/ or In the past 12 months]**…. ENTER DOLLAR VALUE: _____ -77= Don't know -88= Refuse to answer UNIVERSE: EDIBLE.PURCHASE=1, POPULATE TIME FRAME WITH [EDIBLE.TIMEFRAME] VARIABLE. If -77 or -88, use "past 12 months" language.
LAST PURCHASE - EDIBLES [EDIBLE.LASTPURCH] *Source: New*	**PROGAMMER NOTE:** Allow numerical plus text responses, in case they specify the type (e.g. 1 package of gummies, 1 square of chocolate, which will be useful to us. **THE LAST TIME** you bought **edible marijuana products,** how many products did you buy**?**

1 product

ENTER NUMBER OF PRODUCTS: _____(each package = 1 product)

-77= Don't know
-88= Refuse to answer

UNIVERSE: EDIBLE.PURCHASE=1

LAST PURCHASE - EDIBLES **[EDIBLE.SPENTLAST]** *Source: New*	**THE LAST TIME** you bought **edible marijuana products,** how much did you pay for the amount you bought**?** ENTER DOLLAR VALUE: _____ -77= Don't know -88= Refuse to answer UNIVERSE: EDIBLE.PURCHASE=1
THC RATIO – EDIBLES **[EDIBLES.THCRATIO]** *Source: New*	Which of the following best describes the type of **edible marijuana product** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other

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	6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=4
CANNABIS SOURCE - **EDIBLES** **[EDIBLE.THC2]** *Source: Modified Health* *Canada Survey Draft*	What are the **THC and CBD levels** in the **edible marijuana products** you usually consume? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=4
CANNABIS USE - **CONCENTRATE** **[CONCEN.AMOUNT]**	PROGRAMMER NOTE: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=6=PAST 12-MONTH USE** PROGRAMMER NOTE: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=6**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY**. If -77 or -88, use "past 12 months" language. [In a usual day/In a usual week/ In a usual month/In the past 12 months], how much **concentrate** (e.g., wax, shatter, budder, etc.), [past 12 months: "did"; other time frames: "do"] you use? (Do not include tinctures.) Shatter Wax Crumble Budder ENTER NUMBER: _____ [drop-down list: gram(s)/hit(s)/toke(s)/dab(s)] -77= Don't know -88= Refuse to answer
CANNABIS USE - **CONCENTRATE** **[CONCEN.TYPE]**	Over the past 12 months, what **type(s)** of **concentrate** did you use? (Do not include tinctures.) SELECT ALL THAT APPLY. 1= Wax 2= Shatter 3= Budder 4= CO_2 oil

	5= Butane honey oil 6= Hash oil 7= Crumble 8= Sap 9= Pull-and-snap 10= Resin 11= Rosin 11= Other (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=6
CANNABIS SOURCE - **CONCENTRATE** **[CONCEN.SOURCE1]** *Source: Modified Health* *Canada Survey Draft*	**PROGRAMMER NOTE:** In parentheses, populate [TYPE] with type(s) selected in CONCEN.TYPE. In the **past 12 months**, how did you get the **concentrate** (e.g., [**TYPE]**) you used? (Do <u>not</u> include tinctures.) SELECT ALL THAT APPLY. 1= I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=6
CANNABIS SOURCE - **CONCENTRATE** **[CONCEN.SOURCE2]** *Source: Modified Health* *Canada Survey Draft*	**PROGRAMMER NOTE**: IF CONCEN.SOURCE1 = MORE THAN 1 OPTION SELECTED ASK: **PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE. What percent (%) of **concentrate** did you get from each source: -77=Don't know -88=Refuse to answer [Insert sources selected from CONCEN.SOURCE1 with open fields for entry of % numbers that sum to 100%] UNIVERSE: USE.MODES=6
CANNABIS USE - **CONCENTRATE**	**PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE.

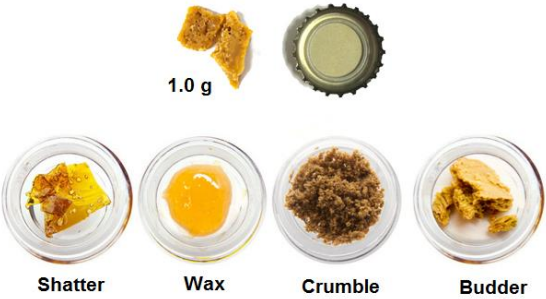|	
[PERCENT.CONCENTRATE]	Of **all** the marijuana **concentrate** that you use, what percent (%) do you….. 1= Smoke: 2= Vape: 3= Other: _____ -77=Don't know -88=Refuse to answer [numeric field for each, up to 100%] UNIVERSE: USE.MODES=6
CANNABIS SOURCE - CONCENTRATE [CONCEN.PURCHASE] *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the **concentrate** you used? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=6 AND YES to past 12-months
TIMEFRAME - CONCENTRATE [CONCEN.TIMEFRAME]	**PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE. We would like to know how much concentrate you bought or paid for. Which time frame is easiest for you to report the amount of **concentrate (e.g., [TYPE])** you purchased: in a usual week, a usual month, or in the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the concentrate I used over the past year -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND CONCEN.PURCHASE=1 IF CONCEN_TIMEFRAME=4, skip to CONCEN_THCRATIO.
MONEY SPENT- CONCENTRATE [CONCEN.MONEY] *Source: New*	**PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE. In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **concentrate (e.g., [TYPE]) [in a typical [week/month/ or in the past 12 months]**…. ENTER DOLLAR VALUE: _____

	-77= Don't know -88= Refuse to answer UNIVERSE: CONCEN.PURCHASE=1, POPULATE TIME FRAME WITH [CONCEN.TIMEFRAME] VARIABLE. If -77 or -88, use "past 12 months" language.
LAST PURCHASE – CONCENTRATE [CONCEN.LASTPURCH]	**PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE. **PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. **The last time** you bought **concentrate (e.g., [TYPE])**, how much did you buy? ENTER AMOUNT: _____ [drop-down list: gram(s)/ounces)] -77= Don't know -88= Refuse to answer UNIVERSE: CONCEN.PURCHASE=1
LAST PURCHASE- CONCENTRATE [CONCEN.SPENTLAST] *Source: New*	**PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE. **The last time** you bought **concentrate (e.g., [TYPE])**, how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: CONCEN.PURCHASE=1
THC RATIO – HASH [CONCEN.THCRATIO] *Source: New*	**PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE. Which of the following best describes the type of **concentrate (e.g., [TYPE])** you usually use?

	1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=6
CANNABIS SOURCE - CONCENTRATE [CONCEN.THC2] *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE:** In parentheses, populate TYPE with type(s) selected in CONCEN.TYPE. **PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. What are the **THC and CBD levels** in the **concentrate (e.g., [TYPE])** you usually use? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=6
CANNABIS USE - HASH [HASH.AMOUNT]	**PROGRAMMER NOTE:** SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=7=PAST 12-MONTH USE** **PROGRAMMER NOTE:** ONLY IF **MODE.FREQUENCY**=1-4 FOR **USE.MODES=7**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY.** If -77 or -88, use "past 12 months" language. **PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. **[In a usual day/In a usual week/ In a usual month/In the past 12 months],** how much **hash or kief** [past 12 months: "did"; other time frames: "do"] you use? 1.0 g ENTER NUMBER:_____ [drop-down list: gram(s)/hit(s)/toke(s)] -77= Don't know -88= Refuse to answer

CANNABIS SOURCE - HASH **[HASH.SOURCE1]** *Source: Modified Health* *Canada Survey Draft*	In the **past 12 months**, how did you get the **hash or kief** you used? SELECT ALL THAT APPLY. 1= I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=7
CANNABIS SOURCE - HASH **[HASH.SOURCE2]** *Source: Modified Health* *Canada Survey Draft*	**PROGRAMMER NOTE**: IF HASH.SOURCE1= MORE THAN 1 OPTION SELECTED ASK: What percent (%) of **hash or kief** did you get from each source: -77=Don't know -88=Refuse to answer [Insert sources selected from HASH.SOURCE1 with open fields for entry of % numbers that sum to 100%]
CANNABIS SOURCE - HASH **[HASH.PURCHASE]** *Source: Modified Health* *Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the **hash or kief** you used? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=7 AND YES to past 12 months
TIMEFRAME - HASH **[HASH.TIMEFRAME]**	We would like to know how much hash or kief you bought or paid for. Which time frame is easiest for you to report the amount of **hash or kief** you purchased: in a usual week, a usual month, or in the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the hash or kief I used over the past 12 months -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND HASH.PURCHASE=1

	IF HASH_TIMEFRAME=4, skip to HASH_THCRATIO.
MONEY SPENT - HASH **[HASH.MONEY]**	**PROGRAMMER NOTE**: POPULATE TIMEFRAME FROM HASH.TIMEFRAME. In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **hash or kief [In a usual week/month/In the past 12 months]?** ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: HASH.PURCHASE=1 POPULATE TIME FRAME WITH HASH.TIMEFRAME VARIABLE. If -77 or -88, use "past 12 months" language.
LAST PURCHASE - HASH **[HASH.LASTPURCH]**	**The last time** you bought **hash or kief**, how much did you buy? 1.0 g ENTER AMOUNT: _____ [drop-down list: gram(s)/ounce(s)] -77= Don't know -88= Refuse to answer UNIVERSE: HASH.PURCHASE=1
LAST PURCHASE - HASH **[HASH.SPENTLAST]** *Source: New*	**The last time** you bought **hash or kief**, how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: HASH.PURCHASE=1

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THC RATIO – HASH **[HASH.THCRATIO]** *Source: New*	Which of the following best describes the type of **hash or kief** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=7
CANNABIS SOURCE - HASH **[HASH.THC2]** *Source: Modified Health Canada Survey Draft*	What are the **THC and CBD levels** in the **hash or kief** you usually use? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=7
CANNABIS USE - DRINKS **[DRINKS.AMOUNT]** *Source: New*	**PROGRAMMER NOTE**: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=5=PAST 12-MONTH USE** **PROGRAMMER NOTE**: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=5**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY.** If -77 or -88, use "past 12 months" language. **PROGRAMMER NOTE**: MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT IF THEY'VE SELECTED/ENTERED AN AMOUNT. [In a usual day/In a usual week/ In a usual month/In the past 12 months], how many **drinks containing marijuana (e.g., cola, tea, coffee)** [past 12 months: "did", other time frames: "do"] you drink? [Check boxes: 0, Less than 1, 1, Enter number greater than 1:_____] drinks

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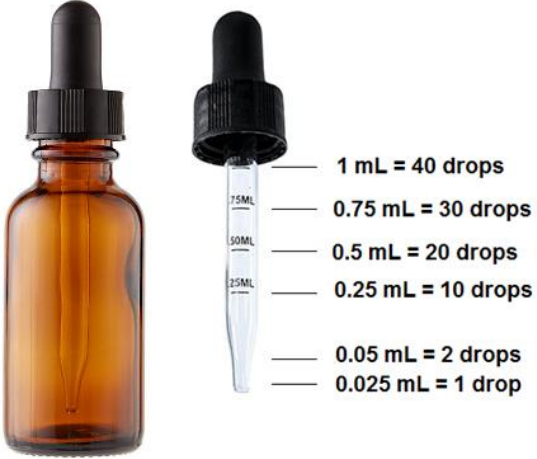
1 marijuana drink

-77= Don't know
-88= Refuse to answer

CANNABIS SOURCE - DRINKS **[DRINKS.SOURCE1]** *Source: Modified Health Canada Survey Draft*	In the **past 12 months**, how did you get the **drinks containing marijuana (e.g., cola, tea, coffee)** you drank? SELECT ALL THAT APPLY. 1= I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=5
CANNABIS SOURCE - DRINKS **[DRINKS.SOURCE2]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE**: IF DRINKS.SOURCE1= MORE THAN 1 OPTION SELECTED ASK: What percent (%) of **drinks containing marijuana (e.g., cola, tea, coffee)** did you get from each source: -77=Don't know -88=Refuse to answer **PROGRAMMER NOTE:** [Insert sources selected from DRINKS.SOURCE1 with open fields for entry of % numbers that sum to 100%]

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	UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=5
CANNABIS SOURCE - DRINKS [DRINKS.PURCHASE] *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the drinks containing marijuana (e.g., cola, tea) you drank? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=5 AND YES to past 12 months
TIMEFRAME - DRINKS [DRINKS.TIMEFRAME] *Source: New*	We would like to know how many **drinks containing marijuana (e.g., cola, tea)** you bought or paid for. Which time frame is easiest for you to report the amount of **drinks containing marijuana (e.g., cola, tea, coffee)** you purchased: in a usual week, a usual month, or in the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the marijuana drinks I used over the past year -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND DRINKS.PURCHASE=1 IF DRINKS_TIMEFRAME=4, skip to DRINKS_THCRATIO.
MONEY SPENT- DRINKS [DRINKS.MONEY] *Source: New*	In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **drinks containing marijuana (e.g., cola, tea, coffee) [In a typical [day/week/month/ or In the past 12 months]**…. ENTER DOLLAR VALUE: _____ -77= Don't know -88= Refuse to answer UNIVERSE: DRINKS.PURCHASE=1, POPULATE TIME FRAME WITH [DRINKS.TIMEFRAME] VARIABLE. If -77 or -88, use "past 12 months" language.
LAST PURCHASE - DRINKS [DRINKS.LASTPURCH] *Source: New*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. **The last time** you bought **drinks containing marijuana (e.g., cola, tea, coffee)**, how many did you buy?

1 marijuana drink

[Bullet list: 0, 1, Enter number greater than 1:_____] drinks

-77= Don't know
-88= Refuse to answer

DRINKS.PURCHASE=1

LAST PURCHASE - DRINKS [DRINKS.SPENTLAST] *Source: New*	**The last time** you bought **drinks containing marijuana (e.g., cola, tea, coffee)**, how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer DRINKS.PURCHASE=1
THC RATIO – DRINKS [DRINKS.THCRATIO] *Source: New*	Which of the following best describes the type of **drinks containing marijuana (e.g., cola, tea, coffee)** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=5

CANNABIS SOURCE-DRINKS **[DRINKS.THC2]** *Source: Modified Health Canada Survey Draft*	What are the **THC and CBD levels** in the **drinks containing marijuana (e.g., cola, tea, coffee)** you usually use? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=5
CANNABIS USE -TINCTURES **[TINCT.AMOUNT]** *Source: New*	**PROGRAMMER NOTE**: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=8=PAST 12-MONTH USE** **PROGRAMMER NOTE**: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=8**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY.** If -77 or -88, use "past 12 months" language. [In a usual day/In a usual week/ In a usual month/In the past 12 months], how much liquid concentrate in the form of **tinctures (e.g., concentrated amounts ingested orally or taken under the tongue),** [past 12 months: "did"; other time frames: "do"] you use? 1 mL = 40 drops 0.75 mL = 30 drops 0.5 mL = 20 drops 0.25 mL = 10 drops 0.05 mL = 2 drops 0.025 mL = 1 drop 30 mL/1 oz ENTER NUMBER: _____ [drop-down list: mL/ounce(s)/drop(s)/capsule(s)/gram(s)] -77= Don't know -88= Refuse to answer
CANNABIS SOURCE -TINCTURES **[TINCT.SOURCE1]**	In the **past 12 months**, how did you get the liquid concentrate in the form of **tinctures** you used? SELECT ALL THAT APPLY. 1=I made my own 2= From a family member or friend

Source: Modified Health Canada Survey Draft	3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=8
CANNABIS SOURCE - TINCTURES **[TINCT.SOURCE2]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE**: IF TINCT.SOURCE1= MORE THAN 1 OPTION SELECTED ASK: What percent (%) of liquid concentrate in the form of **tinctures** did you get from each source: -77=Don't know -88=Refuse to answer [Insert sources selected from TINCT.SOURCE1 with open fields for entry of % numbers that sum to 100%]
CANNABIS SOURCE - TINCTURES **[TINCT.PURCHASE]** *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the liquid concentrate in the form of **tinctures** you used? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=8 AND YES to past 12 months
TIMEFRAME- TINCTURES **[TINCT.TIMEFRAME]** *Source: New*	We would like to know how much liquid concentrate in the form of **tinctures** you bought or paid for. Which **time frame** is easiest for you to report the amount of liquid concentrate in the form of **tinctures** you purchased: in a usual week, a usual month, or in the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the tinctures I used over the past year -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND TINCT.PURCHASE=1 IF TINCT_TIMEFRAME=4, skip to TINCT_THCRATIO.
MONEY SPENT - TINCTURES	In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **tinctures [In a typical [week/month/ or In the past 12 months]?**

[TINCT.MONEY] *Source: New*	ENTER DOLLAR AMOUNT:_____ -77= Don't know -88= Refuse to answer UNIVERSE: TINCT.PURCHASE=1, POPULATE TIME FRAME WITH [TINCT.TIMEFRAME] VARIABLE. If -77 or -88, use "past 12 months" language.
LAST PURCHASE - TINCTURES [TINCT.LASTPURCH] *Source: New*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. **The last time** you bought **tinctures** (e.g., concentrated amounts ingested orally or taken under the tongue), how much did you buy? ENTER NUMBER: _____ [drop-down list: mL/ounces/capsule(s)/gram(s)**]** -77= Don't know -88= Refuse to answer UNIVERSE: TINCT.PURCHASE=1
LAST PURCHASE - TINCTURES [TINCT.SPENTLAST] *Source: New*	**The last time** you bought **tinctures**, how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____

	-77= Don't know -88= Refuse to answer UNIVERSE: TINCT.PURCHASE=1
THC RATIO – TINCTURES **[TINCT.THCRATIO]** *Source: New*	Which of the following best describes the type of **tinctures** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=8
CANNABIS SOURCE- **TINCTURES** **[TINCT.THC2]** *Source: Modified Health* *Canada Survey Draft*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. What are the **THC and CBD levels** in the liquid concentrate in the form of **tinctures** you usually use? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=8
CANNABIS USE- TOPICALS **[TOPICAL.AMOUNT]**	**PROGRAMMER NOTE**: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=9** **PROGRAMMER NOTE**: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=9**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY.** If -77 or -88, use "past 12 months" language. **PROGRAMMER NOTE**: MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. [In a usual day/In a usual week/ In a usual month/In the past 12 months], how much **marijuana topical ointment (e.g., creams, lotions, balms,** **salves),** [past 12 months: "did"; other time frames: "do"] you use**?**

30 mL/1 oz

ENTER AMOUNT:_____ [drop-down list: gram(s)/ounce(s)/mL/fingertip(s))]

Note: 1 'fingertip unit' is the distance from the tip of your index finger to the first crease of that finger.

-77= Don't know
-88= Refuse to answer

CANNABIS SOURCE - TOPICALS [TOPICAL.SOURCE1] *Source: Modified Health Canada Survey Draft*	In the **past 12 months**, how did you get the **marijuana topical ointment** you used? SELECT ALL THAT APPLY. 1= I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=9
CANNABIS SOURCE- TOPICALS [TOPICAL.SOURCE2] *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE**: IF TOPICAL.SOURCE1 = MORE THAN 1 OPTION SELECTED ASK: What percent (%) of **marijuana topical ointment** did you get from each source? -77=Don't know -88=Refuse to answer [Insert sources selected from TOPICAL.SOURCE1 with open fields for entry of % numbers that sum to 100%]
CANNABIS SOURCE- TOPICALS	In the past 12 months, did you buy or pay for any of the **marijuana topical ointment** you used?

[TOPICAL.PURCHASE] *Source: Modified Health Canada Survey Draft*	1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=9 AND YES to past 12 months
TIMEFRAME- TOPICALS **[TOPICAL.TIMEFRAME]**	We would like to know how many marijuana topical ointments (e.g., creams, lotions, balms, salves) products you bought or paid for. Which time frame is easiest for you to report the amount of **marijuana topical ointment** you purchased: in a usual week, a usual month, or a 12-month period? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the marijuana I used over the past year -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND TOPICAL.PURCHASE=1 IF TOPICAL.TIMEFRAME=4, SKIP TO TOPICAL.RATIO.
MONEY SPENT- TOPICALS **[TOPICAL.MONEY]** *Source: New*	In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **marijuana topical ointment [in a typical [week/month/ or in the past 12 months]?** ENTER DOLLAR AMOUNT:_____ -77= Don't know -88= Refuse to answer UNIVERSE: TOPICAL.PURCHASE=1, POPULATE TIME FRAME WITH [TOPICAL.TIMEFRAME] VARIABLE. If -77 or -88, use "past 12 months" language.
LAST PURCHASE – **TOPICALS** **[TOPICAL.LASTPURCH]** *Source: New*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. **The last time** you bought **marijuana topical ointment,** how much did you buy? 30 mL/1 oz

	ENTER AMOUNT: _____[drop-down list: ml/gram(s)/ounce(s)] -77= Don't know -88= Refuse to answer UNIVERSE: TOPICAL.PURCHASE=1
LAST PURCHASE – TOPICALS [TOPICAL.SPENTLAST] *Source: New*	**The last time** you bought **marijuana topical ointment**, how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: TOPICAL.PURCHASE=1
THC RATIO – TOPICALS [TOPICAL.THCRATIO] ***Source: New***	Which of the following best describes the type of **marijuana topical ointment** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=9
CANNABIS SOURCE- TOPICALS [TOPICAL.THC2] *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. What are the **THC and CBD levels** in the **marijuana topical ointment** you usually use? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=9
CANNABIS USE - OTHER [OTHER.AMOUNT]	**PROGRAMMER NOTE**: SHOW IF **MODE.FREQUENCY** INCLUDES **USE.MODES=10** **PROGRAMMER NOTE**: ONLY IF MODE.FREQUENCY=1-4 FOR **USE.MODES=10**. DERIVE TIME FRAME BASED ON RESPONSE TO **MODE.FREQUENCY.** If -77 or -88, use "past 12 months" language. **PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.**

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	[In a usual day/In a usual week/ In a usual month/In the past 12 months], what quantity of **[other form]** [past 12 months: 'did', other timeframes: 'do'] you use? [0, Less than 1, 1, Enter number greater than 1:_____] -77= Don't know -88= Refuse to answer
CANNABIS SOURCE-OTHER **[OTHER.SOURCE1]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** In the **past 12 months**, how did you get the **[other form]** that you used? SELECT ALL THAT APPLY. 1= I made my own 2= From a family member or friend 3= From a dealer (in person) 4= Health Canada medical marijuana licenced producer, by mail order [**PROGRAMMER**: this option is for Canada only] 5= Internet delivery service or mail order [**PROGRAMMER**: add "Other" before this text for Canada only] 6= From a store, co-operative or dispensary (in person) 7= Other (please specify without providing any identifiable information):_____ -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND USE.MODES=10
CANNABIS SOURCE-OTHER **[OTHER.SOURCE2]** *Source: Modified Health Canada Survey Draft*	**PROGRAMMER NOTE**: IF OTHER.SOURCE1= MORE THAN 1 OPTION SELECTED ASK: **PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** What percent (%) of **[other form]** did you get from each source: -77=Don't know -88=Refuse to answer [Insert sources selected from OTHER.SOURCE1 with open fields for entry of % numbers that sum to 100%]
CANNABIS SOURCE-OTHER **[OTHER.PURCHASE]** *Source: Modified Health Canada Survey Draft*	In the past 12 months, did you buy or pay for any of the **[other form]** you used? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.MODES=10 AND YES to past 12 months

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TIMEFRAME- OTHER [OTHER.TIMEFRAME]	**PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** We would like to know how many **[other form]** you bought or paid for. Which time frame is easiest for you to report the amount of **[other form]** you purchased: in a usual week, a usual month, or in the past 12 months? 1= Usual week 2= Usual month 3= Past 12 months (entire year) 4= I did not buy any of the [other form] I used over the past year -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4, AND OTHER.PURCHASE=1
MONEY SPENT- OTHER [OTHER.MONEY] *Source: New*	**PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** In total, how much money [past 12 months: "did", other time frames: "do"] you spend on **[other form] [in a typical [week/month/ or in the past 12 months]**…. ENTER DOLLAR AMOUNT:_____ -77= Don't know -88= Refuse to answer UNIVERSE: OTHER.PURCHASE=1, POPULATE TIME FRAME WITH [OTHER.TIMEFRAME] VARIABLE. If -77 or -88, use "past 12 months" language. IF OTHER_TIMEFRAME=4, skip to OTHER_THCRATIO.
LAST PURCHASE – OTHER [OTHER.LASTPURCH] *Source: New*	**PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** **PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. **The last time** you bought **[other form]**, how much did you buy? ENTER AMOUNT:_____ [drop-down list: mL/ounce(s)/gram(s)] -77= Don't know -88= Refuse to answer UNIVERSE: OTHER.PURCHASE=1

MONEY SPENT- OTHER **[OTHER.SPENTLAST]** *Source: New*	**PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** **The last time** you bought **[other form],** how much did you pay for the amount you bought? ENTER DOLLAR AMOUNT: _____ -77= Don't know -88= Refuse to answer UNIVERSE: OTHER.PURCHASE=1
THC RATIO – OTHER **[OTHER.THCRATIO]** *Source: New*	**PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** Which of the following best describes the type of **[other form]** you usually use? 1= High THC, Low CBD 2= High THC, High CBD 3= Low THC, Low CBD 4= Low THC, High CBD 5=Other 6= I don't know -88= Refuse to answer UNIVERSE: USE.MODES=10
CANNABIS SOURCE- **OTHER** **[OTHER.THC2]** *Source: Modified Health* *Canada Survey Draft*	**PROGRAMMER NOTE:** Populate [Other Form] with the text they entered in **USE.MODES=10.** **PROGRAMMER NOTE:** MAKE SURE UNIT IS RECORDED AND MAKE IT MANDATORY TO SELECT A UNIT. What are the **THC and CBD levels** in the **[other form]** you usually use? 1= Enter **mg THC** [ ] OR Enter **THC level** % [ ] OR Don't know 2= Enter **mg CBD** [ ] OR Enter **CBD level** % [ ] OR Don't know -88= Refuse to answer UNIVERSE: USE.MODES=10
CANNABIS SOURCE **[SOURCE3]** *Source: New*	In the **past 12 months,** has anyone **paid** you for (any type of) marijuana you've given them? 1=Yes 2=No -77= Don't know

	-88= Refuse to answer UNIVERSE: SOURCE1= AT LEAST ONE SOURCE SELECTED
MONEY SPENT –IN STATE **[MONEY.STATE]**	**PROGRAMMER NOTE:** If country=Canada, then refer to 'province or territory' If country=US, then refer to 'state' Of the marijuana products you purchased in the **past 12 months**, did you buy them **within** or **outside of** the [province or territory/ state] where you currently live? Please count all products bought **online** as '**in [province or territory' / state']** if they were delivered to your home. 1= All were bought in [province/territory / state] 2= Some were bought in [province/territory / state], some out of [province/territory / state] 3= All were bought out of [province/territory / state] -77=Don't know -88=Refuse to answer UNIVERSE: CANNABIS.SOURCE1= AT LEAST ONE SOURCE SELECTED
CANNABIS EXTRACTS - **HEARD** **[EXTRACT.HEARD]**	Have you ever heard of people using **butane or CO_2** for making marijuana extracts or concentrates (such as shatter, wax, honeycomb, oil, crumble, sap, budder, pull-and-snap)? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL
CANNABIS EXTRACTS - **TRIED** **[EXTRACT.TRY]**	Have you ever tried to make marijuana extracts or concentrates yourself? 1= No 2= Yes – using butane 3= Yes – using CO_2 4= Yes – using both butane and CO_2 5= Yes – some other way (please specify): _____ -77= Don't know -88= Refuse to answer UNIVERSE: EXTRACT.HEARD=1

CANNABIS EXTRACTS BUTANE [EXTRACT.SAFE]	How safe or dangerous is it to make marijuana extracts or concentrates using **butane**? 1= Very safe 2= Safe 3= Neither safe nor dangerous 4= Dangerous 5= Very dangerous -77= Don't know -88= Refuse to answer UNIVERSE: EXTRACT.HEARD=1
CANNABIS EXTRACTS CO2 [CO2.SAFE]	How safe or dangerous is it to make marijuana extracts or concentrates using **CO_2**? 1= Very safe 2= Safe 3= Neither safe nor dangerous 4= Dangerous 5= Very dangerous -77= Don't know -88= Refuse to answer UNIVERSE: EXTRACT.HEARD=1
CANNABIS EXTRACTS OTHER [OTHER.SAFE]	**PROGRAMMER NOTE:** populate their entry from EXRACT.TRY=4 into the open field in the blank after the colon. How safe or dangerous is it to make marijuana extracts or concentrates in the other way you mentioned: ["_____"]? 1= Very safe 2= Safe 3= Neither safe nor dangerous 4= Dangerous 5= Very dangerous -77= Don't know -88= Refuse to answer UNIVERSE: EXTRACT.TRY=5

RETAIL SETTINGS & ACCESS

CANNABIS ACCESS [ACCESS.EASE] *Source: Modified from CSTADS 2014/15*	**PROGRAMMER NOTE:** IF EVER.TRY=2 OR IF USE.RECENT=1 (never tried or haven't used in the past year) Overall, how easy or difficult would it be for you to get marijuana? IF USE.RECENT=2,3,4 (have used in the past year) Overall, how easy or difficult is it for you to get marijuana? 1= Very easy 2= Fairly easy 3= Neither easy nor difficult 4= Fairly difficult 5= Very difficult -77= Don't know -88= Refuse to answer UNIVERSE: ALL
RETAIL ACCESS - WEBSITE [RETAIL.ONLINE] *Source: NEW*	How easy or difficult would it be for you to **buy marijuana online (by internet or mail order)**? 1= Very easy 2= Fairly easy 3= Neither easy nor difficult 4= Fairly difficult 5= Very difficult -77= Don't know -88= Refuse to answer UNIVERSE: ALL
RETAIL ACCESS - STORE [RETAIL.EASE]	How easy or difficult would it be for you to **buy marijuana from a store or dispensary** in the city or town where you live? 1= Very easy 2= Fairly easy 3= Neither easy nor difficult 4= Fairly difficult 5= Very difficult -77= Don't know -88= Refuse to answer UNIVERSE: ALL
RETAIL STORES	Are there any **stores that sell marijuana** in the city or town nearest to where you live?

[RETAIL.STORES]	1=Yes 2=No 3= I don't know -88= Refuse to answer UNIVERSE: ALL
RETAIL ACCESS [RETAIL.ACCESS]	How long would it take you to get to the **nearest store that sells marijuana using your usual mode of transportation**? [insert drop down list: Less than 5 minutes, 5 minutes, 10 minutes, …[5 minute increments up to 1 hour, then 'more than 1 hour'] -77= I don't know of any stores that sell marijuana near where I live -88= Refuse to answer UNIVERSE: ALL
RETAIL STORE VISIT [RETAIL.VISIT]	In the past 12 months, have you **been inside a store that sells marijuana** in the [US=state, CAN=province/territory] where you live? 1=Yes 2=No -77= Don't know -88= Refuse to answer UNIVERSE: ALL
RETAIL STORE NOTICING [STORE.NOTICE] (PROGRAMMER NOTE: separate variables: STORE.NOTICE1 to STORE.NOTICE10)	[PROGRAMMER NOTE: insert checklist, randomize order] Were any of the following **inside marijuana stores** that you've visited? SELECT ALL THAT APPLY. 1. Signs, posters or ads for marijuana brands 2. Health warnings or health information 3. Price discounts or sales 4. Loyalty programs (e.g., points, stamp cards) 5. Signs/labels for THC content 6. Free samples or tastings 7. Product displays 8. Alcohol for sale 9. Marijuana accessories for sale (e.g., pipes, bongs, rolling papers)

	10. <u>Non-marijuana</u> food or drinks for sale (e.g., snacks) 11. Advice on product storage or safety (from sales staff) 12. None of the above -77= Don't know -88= Refuse to answer UNIVERSE: RETAIL.VISIT=1
RETAIL STORE COMFORT **[STORE.COMFORT]**	PROGAMMER NOTE: IF RETAIL.VISIT= 1 How **<u>comfortable or uncomfortable</u>** did you feel visiting marijuana store(s) in the city or town where you live? IF RETAIL.VISIT= 2 How **<u>comfortable or uncomfortable</u>** would you be visiting a marijuana store in the city or town where you live? 1=Very <u>un</u>comfortable 2=<u>Un</u>comfortable 3=Neither comfortable nor uncomfortable 4=Comfortable 5=Very comfortable -77=Don't know -88= Refuse to answer
RETAIL STORE ATTEMPT **[STORE.ATTEMPT]**	In the **<u>past 12 months</u>**, have you **<u>tried</u> to buy marijuana from a store** (successfully or unsuccessfully)? 1=Yes 2=No -77=Don't know -88= Refuse to answer UNIVERSE: ALL

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RETAIL STORE ID **[STORE.ID]**	In the past 12 months, were you asked for **identification/proof of age** when trying to buy marijuana from a **STORE**? 1= No, never 2= Sometimes 3= Yes, always -77=Don't know -88= Refuse to answer UNIVERSE: IF STORE.ATTEMPT=1 AND AGE <30
RETAIL STORE REFUSAL **[STORE.REFUSE]**	In the **past 12 months**, has a **store refused** to sell you marijuana because of your age? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: STORE.ATTEMPT=1 AND AGE<30
INFORMATION SEEKING **[ONLINE.INFO1]**	Have you ever gone **online/visited a website** to get information about marijuana? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL
INFORMATION SEEKING - TYPE **[ONLINE.INFO3]**	[**PROGRAMMER NOTE**: RANDOMIZE LIST] What **type of information** on marijuana have you looked for **online**? SELECT ALL THAT APPLY. 1= Where to buy it 2= Strains 3= How to grow it 4= How to use it 5= Health risks or side effects 6= Information on addiction 7= Health benefits or therapies 8= How to make extracts 9= Product accessories (e.g., vaporizers, bongs, rolling papers...)

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	10= To learn about different forms (e.g., edibles, oils...) 11= How to apply for medical marijuana 12= Laws or rules 13= Other (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: ONLINE.INFO1 = 1
INFORMATION SEEKING – HEALTH **[ONLINE.INFO4]**	**PROGRAMMER NOTE**: ASK IF RESPONSE 5 OR 6 IS SELECTED IN ONLINE.INFO3 ('Health risks or side effects' or 'Information on addiction') What website(s) did you visit for information on **marijuana health risks, side effects or addiction**? LIST WEBSITE(S): [Open-ended text box] -77= Don't know -88= Refuse to answer UNIVERSE: ONLINE.INFO3=5 or 6
RETAIL WEBSITE ATTEMPT **ONLINE.ATTEMPT**	In the **past 12 months**, have you **tried** to buy marijuana **online/from a website**? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL
RETAIL ONLINE ID **[ONLINE.ID]**	In the past 12 months, were you **asked for identification/proof of age** when trying to purchase marijuana **online or from a website?** 1= No, never 2= Sometimes 3= Yes, always -77=Don't know -88= Refuse to answer UNIVERSE: IF ONLINE.ATTEMPT=1 AND AGE<30
RETAIL WEBSITE REFUSAL **[ONLINE.REFUSE]**	In the **past 12 months**, has a **website/online store** refused to sell you marijuana because of your age? 1= Yes

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	2= No -77= Don't know -88= Refuse to answer UNIVERSE: ONLINE.ATTEMPT=1 AND AGE<30
RETAIL WEBSITE NOTICING **[ONLINE.NOTICE]**	[PROGRAMMER NOTE: insert checklist, randomize order] Did you notice any of the following on **websites** that you've visited to buy marijuana? SELECT ALL THAT APPLY. 1= Ads for marijuana brands 2= Health warnings or health information 3= Price discounts or sales 4= Loyalty programs (e.g., points) 5= Information on THC content 6= Marijuana accessories for sale (e.g., pipes, bongs, rolling papers) 7= Other (please specify):_____ -77=Don't know -88= Refuse to answer UNIVERSE: ONLINE.ATTEMPT=1
RETAIL FACTORS **[FACTOR.REC]** **[PROGRAMMER NOTE: split into separate variables: FACTOR.REC1 to FACTOR.REC10]**	**PROGRAMMER NOTE:** randomize list and insert as grid. We would like to know how marijuana products from **legal, authorized** sources compare to marijuana products from **unauthorized/unlicensed** sources (stores, websites and street dealers). Are the **legal** marijuana products… 1. Higher quality / No difference / lower quality / Don't know 2. More expensive / No difference / less expensive / Don't know 3. More convenient to buy/No difference / Less convenient to buy/ Don't know 4. Safer to <u>use</u> / No difference / Less safe to <u>use</u> / Don't know 5. Safer to <u>buy</u>/ No difference / Less safe to <u>buy</u>/ Don't know 6. Easier to get / No difference / Harder to get / Don't know UNIVERSE: ASK ONLY IN 9 US LEGAL STATES (not DC)
RETAIL WORRY **[RETAIL.PRIVACY]**	How worried are you about **government or law enforcement authorities** tracking your marijuana purchases from <u>authorized</u> stores or websites?

	1= Not at all worried
	2= A little worried
	3= Somewhat worried
	4= Very worried
	-77= Don't know
	-88= Refuse to answer
	UNIVERSE: CANNABIS.SOURCE3=1 (or 2 in USA) OR CANNABIS.SOURCE4=1

MEDICINAL USE

MED CANNABIS USE – DOC ASKED [MED.ASK] *Source: Health Canada Draft Survey*	Have any of the following health professionals **talked to you about marijuana?** SELECT ALL THAT APPLY. 1= Doctor or physician 2= Psychiatrist or psychologist 3= Nurse or nurse practitioner 4= Pharmacist 5= Naturopath, homeopath, or alternative medicine practitioner 6= Other health professional (please specify):_____ 7= No health professionals have talked to me about marijuana -77= Don't know -88= Refuse to answer UNIVERSE: ALL
MED CANNABIS USE – ASKED DOC [MED.AUTH.ASK] *Source: Health Canada Draft Survey*	Have you ever **asked** a licensed health professional for [US: 'a recommendation'; CANADA: 'authorization'] to use **medical marijuana**?] 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL
MED CANNABIS USE – DOC REFUSED [MED.AUTH.REFUSE] *Source: Health Canada Draft Survey*	Have you ever been **refused** [US: 'a recommendation'; CANADA: 'authorization'] **for medical marijuana** from any of the following health professionals?

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	SELECT ALL THAT APPLY. 1= I have never been refused 2= Refused by a doctor or physician 3= Refused by a psychiatrist or psychologist 4= Refused by a nurse or nurse practitioner 5= Refused by a pharmacist 6= Refused by a naturopath, homeopath, or alternative medicine practitioner 7= Refused by other health professional (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: MED.AUTH.ASK=1
MED CANNABIS USE – DOC APPOVAL [MED.AUTH.APPROVAL] *Source: Health Canada Draft Survey*	Have you **ever received [US: 'a recommendation'; CANADA: 'authorization'] for medical marijuana** from any of the following health professionals? SELECT ALL THAT APPLY. 1= I have never received a [US: 'recommendation', Canada: 'prescription or authorization'] for marijuana 2= Yes, from a doctor or physician 3= Yes, from a psychiatrist or psychologist 4= Yes, from a nurse or nurse practitioner 5= Yes, from a pharmacist 6= Yes, from a naturopath, homeopath, or alternative medicine practitioner 7= Other (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: MED.AUTH.ASK=1
MED CANNABIS USE – PRESCRIPTION [PAST12MOS.MED] *Source: Health Canada Survey Draft*	[Canada: 'Were you authorized' US: 'Did you have a recommendation'] to use medical marijuana **at any time in the past 12 months**? 1=Yes 2=No -77= Don't know -88= Refuse to answer UNIVERSE: MED.AUTH.APPROVAL=2–6
MED CANNABIS USE – MENTAL HEALTH [USE.MENTALHEALTH]	Have you ever used marijuana to **improve or manage symptoms** for **any of the following**: SELECT ALL THAT APPLY.

Source: adapted from Health Canada Survey Draft	1= Anxiety (including phobia, obsessive-compulsive disorder or a panic disorder) 2= Depression (including dysthymia) 3= Post-traumatic stress disorder (PTSD) or traumatic event (e.g., abuse or loss) 4= Bipolar disorder or mania 5= Psychosis (e.g., paranoia, disorganized thinking, hearing voices that others can't hear) 6= Schizophrenia 7= Drug or alcohol use 8= Other significant emotional or mental health problem (please specify):_____ 9= I have never used marijuana for any of the above -77 = Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=1
MED CANNABIS USE - HEALTH REASON [EVER.MED] *Source: adapted from Health Canada Survey Draft*	Have you ever used marijuana to **improve or manage symptoms** for any of the following: SELECT ALL THAT APPLY. 1= Headaches/migraines 2= Pain 3= Nausea/vomiting 4= Lack of appetite 5= Seizures 6= Muscle spasms 7= To treat cancer 8= Problems sleeping 9= Other condition(s) (please specify):_____ 10= I have never used marijuana to treat or improve symptoms -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=1
MED CANNABIS USE – OPIOID SUBSTITUTION [OPIOID.SUB] *Source: New*	**PROGRAMMER NOTE:** ASK IF EVER.MED=2 Have you ever used marijuana for **pain relief, instead of using opioids or prescription pain medication?** 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: EVER.MED=1 or 2 (headaches or pain)

ADVERSE OUTCOMES

SIDE EFFECTS – HELP SEEKING **[MEDICAL.SEEK]**	Now we are interested in unintended adverse or negative health effects caused by using marijuana. In the **past 12 months**, did you **seek medical help** for any **adverse or negative health effect(s)** caused by using marijuana? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
PROBLEMATIC USE - EMERGENCY DEPARTMENT **[PAST3MOS.ED]** *Source: New*	In the **past 12 months,** did you go to an **emergency department** to seek help for any **adverse or negative health effect(s)** caused by using marijuana? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: MEDICAL SEEK=1
SIDE EFFECTS – CONSIDER SEEKING **[MEDICAL.CONSIDER]**	In the **past 12 months,** did you **consider seeking medical help** for any **adverse or negative health effect(s)** from marijuana use? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: MEDICAL.SEEK=2,-77,-88
SIDE EFFECTS – TYPE SOUGHT FOR **[NEG.SIDEFX1]** *Source: ADAPATED FROM Health Canada Draft Survey*	In the **past 12 months**, which negative health effect(s) from marijuana use did you seek medical help for? SELECT ALL THAT APPLY. 1= Nausea and/or vomiting 2= Heart or blood pressure problems 3= Feeling faint or dizzy 4= Panic reactions 5= Hallucinations 6= Flashbacks 7= Depression 8= Dissociation/depersonalization (feeling detached or disconnected from yourself)

	9= Other (please specify): _____ 10= I have never experienced any negative health effects from using marijuana -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=1 AND MEDICAL.SEEK=1
SIDE EFFECTS – TYPE CONSIDERED FOR **[NEG.SIDEFX2]** *Source: ADAPATED FROM Health Canada Draft Survey*	In the **past 12 months**, what negative health effect(s) from marijuana use did you **consider seeking** medical help for? SELECT ALL THAT APPLY. 1= Nausea and/or vomiting 2= Heart or blood pressure problems 3= Feeling faint or dizzy 4= Panic reactions 5= Hallucinations 6= Flashbacks 7= Depression 8= Dissociation/depersonalization (feeling detached or disconnected from yourself) 9= Other (please specify): _____ 11= I have never experienced any negative health effects from using marijuana. -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=1 AND MEDICAL.CONSIDER=1
SIDE EFFECTS - FORM **[NEG.SIDEFX3]**	When you experienced the negative health effects, **what type or form of marijuana were you using**? SELECT ALL THAT APPLY. 1= Dried herb (smoked or vaped) 2= Oils or liquids 3= Edibles/foods 4= Concentrates like wax, shatter, budder 5= Hash or kief 6= Drinks (e.g., marijuana cola, tea) 7= Tinctures (e.g., concentrated amounts ingested orally or taken under the tongue) 8= Topical ointments (e.g., lotions, salves, balms applied directly to the skin) 9= Other (please specify): _____ -77= Don't know -88= Refuse to answer UNIVERSE: ask if ANY checked on NEG.SIDEFX1 OR NEG.SIDEFX2 except -77 or -88

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PROBLEMATIC USE (ASSIST INSTRUMENT)

PROBLEMATIC USE - ASSIST **[PAST3MOS.A2]**	In the **past 3 months**, how often have you had a strong desire or urge to use marijuana? 1= Never 2= Once or twice 3= Monthly 4= Weekly 5= Daily or almost daily -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
PROBLEMATIC USE - ASSIST 3 **[PAST3MOS.A3]** *Source: adapted from ASSIST Tool*	During the **past 3 months**, how often has your use of marijuana led to health, social, legal, or financial problems? 1= Never 2= Once or twice 3= Monthly 4= Weekly 5= Daily or almost daily -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
PROBLEMATIC USE – ASSIST 4 **[PAST3MOS.A4]** *Source: ASSIST Tool*	During the **past 3 months**, how often have you failed to do what was normally expected of you because of your use of marijuana? 1= Never 2= Once or twice 3= Monthly 4= Weekly 5= Daily or almost daily -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4

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PROBLEMATIC USE – ASSIST 5 [PAST3MOS.A5] *Source: ASSIST Tool*	Has a friend or relative or anyone else expressed concern about your use of marijuana? 1=No, never 2=Yes, in the past 3 months 3=Yes, but not in the past 3 months -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
PROBLEMATIC USE – ASSIST 6 [PAST3MOS.A6] *Source: ASSIST Tool*	Have you ever **tried and failed** to control, cut down or stop using marijuana? 1=No, never 2=Yes, in the past 3 months 3=Yes, but not in the past 3 months -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
CANNABIS EFFECTS – TYPE 1 **[EFFECTS.PERSONAL]** **[PROGRAMMER: divide into separate variables: EFFECTS.PERSONAL1 to EFFECTS.PERSONAL7]** *Source: adapted from Health Canada Canadian Cannabis Survey*	During the **past 12 months**, what effect did <u>your</u> marijuana use have on your: 1= Friendships or social life 2= Physical health 3= Mental health 4= Family life 5= Work 6= Studies 7= Quality of life 1= Negative effect 2= No effect 3= Positive effect 4= Not applicable -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
PROBLEMATIC USE - HELP [PAST3MOS.HELP] *Source: New*	In the **past 12 months**, have you ever tried to **get help** to manage problems with your marijuana use? 1= Yes

	2= No -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
HELP SEEKING - WHERE **[PAST3MOS.WHERE]** *Source: New*	**Where** did you seek help to manage problems with your marijuana use? SELECT ALL THAT APPLY. 1= Doctor or physician 2= Other health professional (e.g., psychiatrist, psychologist, counselor…) 3= Online/website support or information 4= Addiction service or clinic 5= Telephone helpline /support 6= Smartphone app 7= Family or friend 8= Other (please specify): -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 and PAST3MOS.HELP=1
REGRET **[REGRET]** *Source: adapted from ITC project*	Do you agree or disagree: "If I had to do it over again, I would **not** have started using marijuana." 1= Strongly disagree 2= Disagree 3= Neither agree nor disagree 4= Agree 5= Strongly agree -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
DON'T GIVE UP SCREEN **[PANDA]**	[**PROGRAMMER NOTE:** Make this font twice the size of normal.] Getting tired of the survey? Don't give up, you're more than halfway through! [Insert *Panda* image]

RISK PERCEPTIONS & SOCIAL NORMS

PERCEIVED RISK – OTHER SUBSTANCES [RISK.1] *Source: idea came from ESPAD; adapted heavily*	In your opinion, what is the level of health risk from… a) smoking cigarettes occasionally b) smoking cigarettes daily d) drinking alcohol (3–4 drinks) occasionally e) drinking alcohol (3–4 drinks) daily 1= Very low risk 2= Low risk 3= Moderate risk 4= High risk 5= Very high risk -77= Don't know -88= Refuse to answer UNIVERSE: ALL

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PECEIVED RISK – MARIJUANA [RISK.2] *Source: idea came from ESPAD; adapted heavily*	**PROGRAMMER NOTE:** PLEASE LEAVE A SMALL SPACE BETWEEN EACH SUBSTANCE In your opinion, what is the level of health risk from… a) smoking marijuana occasionally b) smoking marijuana daily c) vaping marijuana occasionally d) vaping marijuana daily e) consuming marijuana edibles occasionally f) consuming marijuana edibles daily g) using <u>synthetic</u> marijuana (e.g., spice, K2, K3, scene) occasionally h) using <u>synthetic</u> marijuana (e.g., spice, K2, K3, scene) daily i) using high-potency marijuana concentrates occasionally j) using high-potency marijuana concentrates daily 1= Very low risk 2= Low risk 3= Moderate risk 4= High risk 5= Very high risk -77= Don't know -88= Refuse to answer UNIVERSE: ALL
PERCEPTIONS OF HEALTH RISKS [HEALTH.AWARE] *Source:*	**PROGRAMMER NOTE**: PLEASE INCLUDE 5 SEPARATE OPEN-ENDED ENTRY FIELDS. If they click next before filling in each one, prompt with question: "Are there any others?" In your opinion, what are the **most important negative health effects** from marijuana use, if any? List up to five effects in the boxes below (only enter one per box). [5 open-ended text boxes] -77= Don't know -88= Refuse to answer UNIVERSE: ALL

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HEALTH BELIEFS
[HEALTH.BELIEF]
 	
[PROGRAMMER: SPLIT INTO SEPARATE VARIABLES: HEALTH.BELIEF1 to HEALTH.BELIEF7]
 	
Source: Question wording: ITC; response options: adapted from Health Canada's proposed marijuana packaging warnings
	PROGRAMMER NOTE: Do not allow 'back' button for this question. RANDOMIZE order of responses.
	
	Based on what you know or believe…
	   1. Can marijuana <u>smoke</u> be harmful?
	   2. Can it be harmful to use marijuana when <u>pregnant or breastfeeding</u>?
	   3. Can it be dangerous to <u>drive or operate machinery</u> after using marijuana?
	   4. Can marijuana be <u>addictive</u>?
	   5. Can regular use of marijuana increase the <u>risk of psychosis and schizophrenia</u>?
	   6. Are <u>teenagers at greater risk</u> of harm from using marijuana than adults?
	   7. Can <u>smoking</u> marijuana cause respiratory problems?
	   8. Can using marijuana cause <u>diabetes</u>?
	
	1= Yes
	2= Maybe
	3= No
	-77= Don't know
	-88= Refuse to answer
	
	UNIVERSE: ALL

MARIJUANA ADDICTIVE **[SELF.ADDICTED]** *Source: ITC Adapted*	Do you consider yourself to be addicted to marijuana? 1= Not at all addicted 2= A little addicted 3= Very addicted -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
HEALTH RISKS - WORRY **[HEALTH.RISKS7]** *Source: ITC Adapted*	Are you worried that using marijuana will harm your health <u>in the future</u>? 1= Not at all worried 2= A little worried 3= Moderately worried 4= Very worried -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4

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SOCIAL NORMS - GENERAL **[NORMS.INJUNCTIVE]** Source: new	In your opinion, do people generally **approve or disapprove** of marijuana? 1= Strongly disapprove 2= Disapprove 3= Neither approve nor disapprove 4= Approve 5= Strongly approve -77= Don't know -88= Refuse to answer UNIVERSE: ALL
SOCIAL NORMS - COMFORT **[NORMS.COMFORT1 to NORMS.COMFORT7]**	How **comfortable or uncomfortable** would you feel **openly using marijuana**… 1. Around your parents 2. Around your boyfriend/girlfriend/partner/spouse 3. Around your friends 4. Around your co-workers 5. Around children 6. In public 1= Very uncomfortable 2= Uncomfortable 3= Neither 4= Comfortable 5= Very comfortable 6= Not applicable -77= Don't know -88= Refuse to answer UNIVERSE: ALL
SOCIAL NORMS - FRIENDS **[NORMS.FRIENDS]** *Source: Health Canada Draft Survey*	How many of your **5 closest friends** use marijuana? 1= None 2= One 3= Two 4= Three 5= Four 6= Five -77= Don't know -88= Refuse to answer UNIVERSE: ALL

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CANNABIS USE IN VARIOUS SETTINGS

CANNABIS USE - LOCATION **[USE.LOCATION1 to USE.LOCATION4]** *Source: Health Canada Canadian Cannabis Survey*	In the **past 12 months**, have you <u>**smoked**</u> marijuana in any of the following locations? SELECT ALL THAT APPLY. 1= In a car 2= In a bar/pub, restaurant, or café 3= Inside your home 4= I have not smoked marijuana in any of the above locations 0= Not selected 1= Selected -77= Don't know -88= Refuse UNIVERSE: USE.RECENT=2,3,4
CANNABIS USE - PUBLIC **[NOTICE.PUBLIC1 to NOTICE.PUBLIC6]** *Source: adapted from Health Canada Canadian Cannabis Draft Survey*	In the **past 12 months**, how often have you noticed someone using marijuana near you in a public place (e.g., street, park, alley, mall, etc.)? 1= Not in the past 12 months 2= Less than monthly 3= Weekly 4= Every day 5= More than once a day -77= Don't know -88= Refuse to answer UNIVERSE: ALL
CANNABIS USE - HOME **[STORAGE.HOME1]** *Source: adapted from Health Canada Canadian Cannabis Survey*	Do you currently keep any marijuana in or around your home? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL

CANNABIS USE – STORAGE **[STORAGE.HOME2]** *Source: adapted from Health Canada* *Canadian Cannabis Survey*	Where is the marijuana in your home stored? SELECT ALL THAT APPLY. 1= On an open shelf or table 2= In an unlocked cabinet or drawer 3= In an outdoor location, such as a shed, garage, or greenhouse 4= In a childproof container 5= In a locked container, cabinet, drawer, or safe 6= In a locked room 7= Other (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: STORAGE.HOME1=1
CANNABIS – INGESTION **[INGEST.ACCIDENT]** *Source: new*	In the **past 12 months**, has anyone (including people and animals) in your household **accidentally consumed marijuana** (e.g., eating/drinking it without knowing it contained marijuana)? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: ALL
CANNABIS – INGESTION **[INGEST.WHO]** *Source: New*	Who was it that accidentally consumed marijuana? SELECT ALL THAT APPLY. 1= Me 2= An adult 3= A teenager 3= A child <18 years 4= A pet -77= Don't know -88= Refuse to answer UNIVERSE: INGEST.ACCIDENT=1
CANNABIS USE - WORK **RECENT** **[USE.CURRENTWORK]** *Source: New*	**In the past 30 days,** have you used marijuana **at work (including breaks) or within 2 hours of starting work**? 1= Yes 2= No

	3= Not applicable – I have not worked in the past 30 days -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4
CANNABIS USE – SCHOOL RECENT **[USE.SCHOOL]** *Source: New*	**In the past 30 days,** have you used marijuana **at school (including breaks) or within 2 hours before school**? 1= Yes 2= No 3= Not applicable – I have not gone to school in the past 30 days -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4 AND CURR.ED=1 (attending school)

EXPOSURE TO CANNABIS MARKETING, PUBLIC EDUCATION, AND HEALTH WARNINGS

ADVERTISING & PROMOTION **[ADPROMO]** *Source: Adapted from tobacco/ecig*	PROGRAMMER NOTE: RANDOMIZE ORDER OF RESPONSE OPTIONS IN A [YES/NO] CHECKLIST and leave last 4 options fixed In the **past 12 months**, have you noticed marijuana being **advertised or promoted** in any of the following places? SELECT ALL THAT APPLY. 1= Regular postal mail 2= Websites 3= Email or text messages 4= Bars, pubs, or nightclubs 5= Inside stores that sell marijuana 6= Outside stores that sell marijuana 7= Pharmacies 8= Events like sporting events, concerts, festivals or markets 9= Kiosks or temporary sales locations (in shopping centers or on the street) 10= TV or radio 11= Billboards or posters 12= Print newspapers or magazines 13= At the movies 14= Taxis or buses/public transit 15= Flyers

	16=Social media, like Facebook, Twitter, YouTube, Instagram or Snapchat 17= Other (please specify): _____ 18= I have not noticed marijuana being advertised or promoted -77= Don't know -88= Refuse to answer UNIVERSE: ALL
PUBLIC EDUCATION - CAMPAIGNS [EDUCATION.AWARE] *Source: new*	In the **past 12 months**, have you noticed **education campaigns or public health messages** about marijuana in any of the following places? SELECT ALL THAT APPLY. 1= School 2= Work 3= Websites 4= Email or text messages 5= Bars, pubs, or nightclubs 6= Inside stores that sell marijuana 7= Outside stores that sell marijuana 8= Pharmacies 9= Events like sporting events, concerts, festivals or markets 10= Kiosks or temporary sales locations (in shopping centers or on the street) 11= TV or radio 12= Billboards or posters 13= Print newspapers or magazines 14= At the movies 15= Taxis or buses/public transit 16= Flyers or postal mail 17= Social media, like Facebook, Twitter, YouTube, Instagram or Snapchat 18= Other (please specify): _____ 19= I have not noticed any education campaigns or public health messages -77= Don't know -88= Refuse to answer UNIVERSE: ALL
PUBLIC EDUCATION - DESCRIBE [EDUCATION.DESC] *Source: new*	Can you briefly describe the education message(s) or campaign(s) you saw? [OPEN TEXT FIELD] UNIVERSE: EDUCATION.AWARE=ANY SELECTED EXCEPT 19, -77 and -88

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PUBLIC EDUCATION - WARNINGS [WARNING.AWARE] *Source: new*	In the **past 12 months**, have you seen **health warnings on marijuana <u>products or packages</u>**? 1= Yes 2= No 3= Not applicable – I have not seen any marijuana products or packages -77= Don't know -88= Refuse to answer UNIVERSE: ALL
PUBLIC EDUCATION – DESCRIBE WARNINGS [WARNING.DESC] *Source: new*	We'd like to know what warnings you have seen on marijuana products or packages. **Please describe the health messages you've seen on product or package warnings.** **Describe as many as you can.** Warning message 1: _____ Warning message 2: _____ Warning message 3: _____ Warning message 4: _____ Warning message 5: _____ Warning message 6: _____ -77= Don't know -88= Refuse to answer UNIVERSE: WARNING.AWARE=1
BRAND IMAGERY **[BRAND.RECALL]** *Source: new*	Can you name any **<u>brands or company names</u>** of marijuana products? We are interested in marijuana **brands or company names**, <u>not</u> the name of marijuana strains or types. (For example, Marlboro and Budweiser are cigarette and beer brands.) Please name <u>up to 5</u> **marijuana brands or company names** (enter one name in each box below). Brand 1: _____ Brand 2: _____ Brand 3: _____ Brand 4: _____ Brand 5: _____ I don't know any brands -88= Refuse to answer

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	UNIVERSE: ALL

DRIVING & CANNABIS USE

DRIVING BEHAVIOUS - SAFETY [SAFE.DRIVE] *Source: Canadian Cannabis Survey*	PROGRAMMER NOTE: RANDOMLY ASSIGN RESPONDENTS TO ANSWER ONE OF THE FOLLOWING 3 QUESTIONS: When is it safe for an average person to drive after **smoking half a joint**? When is it safe for an average person to drive after **eating a marijuana edible**? When is it safe for an average person to drive after **having four alcoholic drinks at one time**? 1= Immediately 2= After 30 minutes 3= After 1 hour 4= After 2 hours 5= After 3 hours 6= After 4 hours 7= After 5 hours 8= After 6 hours 9= After more than 6 hours -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING BEHAVIOURS - DRIVEN [DRIVER] *Source: CSTADS 2014, modified*	PROGRAMMER NOTE: DO NOT ALLOW RESPONDENTS TO GO 'BACK' TO THE LAST QUESTION Have you ever **driven a vehicle** (e.g., car, snowmobile, motor boat, or an off-road vehicle (ATV)) **within 2 hours of using marijuana**? 1= No, never 2= Yes, in the past 30 days 3= Yes, in the past 12 months 4= Yes, more than 12 months ago -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=1
DRIVING BEHAVIOURS - PASSENGER [PASSENGER]	Have you ever been a **passenger in a vehicle** (e.g., car, snowmobile, motor boat, or an off-road vehicle (ATV) driven by someone who had been using **marijuana in the last 2 hours**?

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Source: CSTADS 2014	1= No, never 2= Yes, in the past 30 days 3= Yes, in the past 12 months 4= Yes, more than 12 months ago -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING BEHAVIOURS - PLANNED **[DRIVE.PLAN]**	Have you ever **planned ahead or decided NOT to drive** to avoid driving high? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: EVER.TRY=1
DRIVING SOCIAL NORMS – ALC STOPPED **[DRIVING.SOC1]** *Source: Modified BC Roadside Survey*	If someone **drives after drinking alcohol,** how likely are they to be **stopped by the police**? 1= Extremely unlikely 2= Unlikely 3= Neither likely nor unlikely 4= Likely 5= Extremely likely -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING SOCIAL NORMS – MARIJUANA STOPPED **[DRIVING.SOC2]** *Source: Modified BC Roadside Survey*	If someone **drives after using marijuana,** how likely are they to be **stopped by the police**? 1= Extremely unlikely 2= Unlikely 3= Neither likely nor unlikely 4= Likely 5= Extremely likely -77= Don't know -88= Refuse to answer UNIVERSE: ALL

DRIVING SOCIAL NORMS – ALC CHARGED [DRIVING.SOC3] *Source: Modified BC Roadside Survey*	If someone is stopped by the police after **drinking alcohol**, how likely are they to be **charged**? 1= Extremely unlikely 2= Unlikely 3= Neither likely nor unlikely 4= Likely 5= Extremely likely -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING SOCIAL NORMS – MARIJUANA CHARGED [DRIVING.SOC4] *Source: Modified BC Roadside Survey*	If someone is stopped by the police after **using marijuana**, how likely are they to be **charged**? 1= Extremely unlikely 2= Unlikely 3= Neither likely nor unlikely 4= Likely 5= Extremely likely -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING SOCIAL NORMS – STOP FRIEND ALC [DRIVING.SOC5] *Source: New*	If a friend was **drunk** and was going to drive, would you try to stop them? 1= I wouldn't do anything 2= I would tell them not to drive, but I wouldn't try to stop them 3= I would try a little bit to stop them from driving 4= I would try very hard to stop them from driving -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING SOCIAL NORMS – STOP EXPERIENCED FRIEND MARIJUANA [DRIVING.SOC6] *Source: New*	If a friend was **high** and was going to drive, would you try to stop them? 1= I wouldn't do anything 2= I would tell them not to drive, but I wouldn't try to stop them 3= I would try a little bit to stop them from driving

	4= I would try very hard to stop them from driving -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING SOCIAL NORMS – DIFFICULTY ALC **[DRIVING.SOC7]**	Is it easy or difficult to tell if someone has had **too much alcohol to drive safely**? 1= Very easy 2= Easy 3= Neither easy nor difficult 4= Difficult 5= Very difficult -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING SOCIAL NORMS – DIFFICULTY MARIJUANA **[DRIVING.SOC8]**	Is it easy or difficult to tell if someone has had **too much marijuana to drive safely**? 1= Very easy 2= Easy 3= Neither easy nor difficult 4= Difficult 5= Very difficult -77= Don't know -88= Refuse to answer UNIVERSE: ALL

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DRIVING BEHAVIOURS – ACCIDENT ALC **[IMPAIR2]** *Source: new*	Does **driving drunk** increase the risk of getting into an accident? 1= Not at all 2= A little 3= Somewhat 4= A lot -77= Don't know -88= Refuse to answer UNIVERSE: ALL
DRIVING BEHAVIOURS – ACCIDENT MARIJUANA **[IMPAIR1]** *Source: new*	Does **driving high** increase the risk of getting into an accident? 1= Not at all 2= A little 3= Somewhat 4= A lot -77= Don't know -88= Refuse to answer UNIVERSE: ALL

POLYSUBSTANCE USE

OTHER DRUGS - TRY **[DRUGS.TRY]** *Source:* CSTADS modified	Have you **ever** used any of the following drugs? SELECT ALL THAT APPLY. 1= Tobacco cigarettes 2= E-cigarettes / vaped nicotine 3= Synthetic marijuana (e.g., spice, K2, K3, scene, herbal mixtures, herbal incense) 4= Amphetamines (e.g., speed, crystal meth or ice, meth, Adderall) 5= MDMA (e.g., ecstasy, Molly, E, X) 6= Hallucinogens (e.g., LSD, acid, PCP, magic mushrooms or 'shrooms', mescaline, peyote) 7= Prescription pain relievers to get high (e.g., oxycodone, hydrocodone) 8= Heroin (e.g., smack, dope), illegal fentanyl, or other illegal/street opioids 9= Cocaine (e.g., crack, blow, snow)

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	10= I have never used any of the drugs listed here -77= Don't know -88= Refuse to answer UNIVERSE: ALL
OTHER DRUGS – RECENCY **[DRUGS.LAST]** *Source:* [CSTADS Modified](#)	**PROGRAMMER NOTE:** POPULATE A TABLE WITH THE SELECTED SUBSTANCES IN [DRUGS.TRY] IN THE LEFTHAND COLUMN WITH THE RESPONSE CATEGORIES LISTED BELOW. IF [DRUGS.TRY]=10, -77 or -88, SKIP TO [BINGE.DRINKING]. REPEAT FOR EACH TYPE OF DRUG SELECTED IN DRUGS.TRY. When was the last time you used [**INSERT DRUG CATEGORY FROM DRUGS.TRY**]… 1= More than 12 months ago 2= Between 3 to 12 months ago 3= Between 1 to 3 months ago 4= Within the last month 5= Within the last week -77= Don't know -88= Refuse to answer UNIVERSE: DRUGS.TRY=1-9
ALCOHOL USE **[DRINKING.FREQUENCY]** *Source: QF Approach*	During the past 12 months, how often did you usually have any kind of beverage containing alcohol? 1= Every day or nearly every day 2= Three or four times a week 3= Once or twice a week 4= One to three times a month 5= Seven to 11 times in the last 12 months 6= Three to six times in the last 12 months 7= Twice in the last 12 months 8= Once in the last 12 months 9= Never in the last 12 months -77= Don't know -88= Refuse to answer UNIVERSE: ALL
ALCOHOL USE **[DRINKING.AMOUNT]** *Source: QF Approach*	**PROGRAMMER NOTE**: ALLOW NUMERICAL TEXT ENTRY ONLY. DISPLAY A MESSAGE FOR ENTRIES LARGER THAN 30: "Please verify the number of drinks entered, then press Next." On those days when you had any kind of beverage containing alcohol, how many drinks did you usually have?

	A drink means: 1 regular sized bottle, can, or draft of beer; 1 glass of wine; 1 bottle or can of cooler; 1 shot of liquor (rum, whiskey, etc.); or 1 mixed drink (1 shot of liquor with pop, juice, energy drink, etc.). Enter number of drinks per day: _____ -77= Don't know -88= Refuse to answer UNIVERSE: DRINKING.FREQUENCY= 1-8
OTHER DRUGS - MIXING **[DRUGS.MARIJUANA]**	**PROGRAMMER NOTE:** POPULATE A TABLE WITH THE SELECTED SUBSTANCES IN [DRUGS.TRY] IN THE LEFTHAND COLUMN WITH THE RESPONSE CATEGORIES LISTED BELOW. INCLUDE [DRINKING.FREQUENCY] IF 2-9 selected as "Alcohol". Which substances have you used **on the same occasion with marijuana** in the past 12 months? [INSERT CHECKLIST] I have not used any of these substance on the same occasion with marijuana in the past 12 months" -77= Don't know -88= Refuse to answer UNIVERSE: DRUGS.TRY=1-9, ALCOHOL.FREQUENCY=2-9, USE.RECENT=2,3,4
SUBSTITUTION **[SUB.ALC]** *Source: adapted from Bastyr Med Cannabis Survey*	**PROGRAMMER NOTE:** FORMAT AS A GRID. If you **did not use marijuana at all**, would you use more, less, or the same amount of the following: 1. Alcohol 2. Tobacco 3. Prescription opioids or pain medication 4. Other prescription drugs 5. Over-the-counter drugs (drugs that don't need a prescription) 6. Illegal opioids (heroin, fentanyl) 7. Other recreational drugs 1= Use less 2= Use more 3= No difference, would use the same amount 4= Not applicable / I do not use this -77= Don't know -88= Refuse to answer UNIVERSE: USE.RECENT=2,3,4

POLICY SUPPORT

POLICY SUPPORT – SALES LOCATIONS [POLICY.SALES]	In your opinion, should recreational (non-medical) marijuana be sold… 1= Only in government stores 2= Only in private (non-government) stores 3= In a mix of private and government stores -77= Don't know -88 = Refuse to answer UNIVERSE: ALL
POLICY SUPPORT - LEGALIZATION [POLICY.LEGAL]	**PROGRAMMER NOTE**: RANDOMIZE PARTICIPANTS TO SEE ONLY 1 WORDING (option 1 or 2) FOR THIS QUESTION, PLUS -77 and -88. Should the use of recreational (non-medical) marijuana be… 1= legal? 2= illegal? -77= Don't know -88 = Refuse to answer UNIVERSE: ALL

DOSE LABELLING

LABEL.APPEAL	**PROGRAMMER NOTE**: RANDOMIZE PARTICIPANTS IN EACH COUNTRY TO VIEW ONE OF 18 IMAGES [Display image – randomized to 1 of 18 images; see Appendix] How **appealing** would this marijuana product be to try? 0 1 2 3 4 5 6 7 8 9 10 Not at all Very appealing appealing -77= Don't know -88= Refuse to answer UNIVERSE= ALL

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AGE.APPEAL	**PROGRAMMER NOTE**: USE **SAME** EXPERIMENTAL CONDITION AND IMAGE AS IN LABEL.APPEAL.
	In your opinion, what **age group** would be most likely to try this product?
	[Display same image as in LABEL.APPEAL]
	1= 12- to 18–year olds 2= 19- to 30-year olds 3= 30- to 40-year olds 4= People over 40 -77= Don't know -88= Refuse to answer
	UNIVERSE= ALL
DOSE.EXPERIMENT	**PROGRAMMER NOTE**: RANDOMIZE PARTICIPANTS IN EACH COUNTRY TO VIEW ONE OF 3 IMAGES.
	Based on the information provided, **how much** of the product should someone eat on one occasion if they want a **standard serving**?
	[Display image: *Brownie condition 1, 2, or 3* (randomised)]
	1= ¼ of a brownie 2= ½ of a brownie 3= ¾ of a brownie 4= 1 brownie 5= 2 brownies 6= 3 brownies 7= 4 brownies 8= More than 4 brownies -77= Don't know -88= Refuse to answer
	UNIVERSE: ALL
	CORRECT ANSWERS: CONDITION 1: 1 BROWNIE CONDITION 2: 1 BROWNIE CONDITION 3: 1/4 of a BROWNIE
	CONDITION IMAGES:

Condition 1

Condition 2

Condition 3

ADDITIONAL SOCIODEMOGRAPHIC QUESTIONS

INFO SCREEN - SOCIODEMOGRAPHICS	We would like to ask you a few final questions about yourself before we finish. As a reminder, all your information will be kept strictly confidential.
DATA QUALITY CHECK –MONTH [DQ_MONTH]	What is the current month? 1= January 2= February 3= March 4= April 5= May 6= June 7= July 8= August 9= September 10= October

	11= November 12= December UNIVERSE: ALL
VISIBLE MINORITY **[VISIBLE.MINORITY]** *Source: New*	Do you consider yourself a **visible minority?** 1= Yes 2= No -77=Don't know -88=Refuse to answer UNIVERSE: ALL
INDIGENOUS STATUS **[INDIGENOUS.CAN]** *Source: CENSUS*	Are you an Aboriginal person, that is, First Nations (North American Indian), Metis or Inuk (Inuit)? Note: First Nations (North American Indian) includes Status and Non-Status Indians. 1= No, not an Aboriginal person 2= Yes, First Nations (North American Indian) 3= Yes, Métis 4= Yes, Inuk (Inuit) UNIVERSE: COUNTRY=1 (CANADA); IF [INDIGENOUS=1 ('no')] then continue to [ETHNICITY]; IF [INDIGENOUS>1], Skip to [EDUCATION.CANADA]
ETHNICITY CANADA **[ETHINICY.CAN]** *Source: CENSUS*	People in Canada come from many racial and cultural groups. Choose the group(s) that best apply/applies to you. SELECT ALL THAT APPLY. 1= White 2= South Asian (e.g., East Indian, Pakistani, Sri Lankan, etc.) 4= Chinese 5= Black 6= Filipino 7= Latin American 8= Arab 9= Southeast Asian (e.g., Vietnamese, Cambodian, Laotian, Thai, etc.) 10= West Asian (e.g., Iranian, Afghan, etc.) 11= Korean 12= Japanese 13= Other _____ -77= Don't know -88= Refuse to answer UNIVERSE: COUNTRY=1 (CANADA) AND INDIGENOUS.CAN=1

ETHNICITY USA - HISPANIC [HISPANIC.USA] *Source: NHANES (formatting and preamble adapted)*	Do you consider yourself to be **Hispanic, Latino, or of Spanish origin**? Spanish, Hispanic or Latino people may be of any race. If you are not sure, please see the list of Hispanic or Latino categories below. 1= Yes 2= No -77= Don't know -88 = Refuse to answer **Hispanic or Latino categories/countries:** ▪ Mexican ▪ Puerto Rican ▪ Cuban ▪ Dominican Republic ▪ Central American: Costa Rican, Guatemalan, Honduran, Nicaraguan, Panamanian, Salvadoran, Other Central American ▪ South American: Argentinean, Bolivian, Chilean, Colombian, Ecuadorian, Paraguayan, Peruvian, Uruguayan, Venezuelan, Other South American ▪ Other Hispanic or Latino: Spaniard, Spanish, Spanish American UNIVERSE: COUNTRY=2 (USA)
ETHNICITY USA [ETHINICY.USA] *Source: NHANES (preamble added)*	People living in the United States come from many different cultural and racial backgrounds. What race do you consider yourself to be? SELECT ALL THAT APPLY. 1= American Indian or Alaskan Native 2= Asian 3= Black or African American 4= Native Hawaiian or Pacific Islander 5= White 6= Other:_____ -77= Don't know -88= Refuse to answer UNIVERSE: COUNTRY=2 (USA)

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EDUCATION LEVEL [EDUCATION.CANADA] *Source: New; partially adapted from NHANES*	What is the highest level of formal education that you have <u>completed</u>? 1= Grade 9 or less / section III 2= Grade 10 / section IV 3= Grade 11 / section V 4= Grade 12 or 13, <u>NO diploma</u> 5= High school diploma or equivalent 6= Some college or technical/vocational training, <u>NO certificate</u> 7= Trade certificate or diploma from a technical/vocational school or apprenticeship training 8= Diploma or certificate from college or CEGEP (other than trade certificates or diplomas) 9= Some university, or university certificate/diploma below the bachelor's level 10= Bachelor's degree (e.g., BA, BSc, BASc) 11= Master's degree (e.g., MA, MSc, MEng, MEd, MBA) 12= Professional school degree (e.g., MD, DDS, DVM, LLB) 13= Doctoral degree (e.g., PhD, EdD) 14= Other (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: COUNTRY=1 (CANADA)
EDUCATION LEVEL [EDUCATION.USA] *Source: NHANES response options*	What is the highest level of formal education that you have completed? 1= 9th grade or less 2= 10th grade 3= 11th grade 4= 12th grade, <u>no diploma</u> 5= High school graduate 6= GED or equivalent 7= Some college, no degree 8= Associate degree: occupational, technical, or vocational program 9= Associate degree: academic program 10= Bachelor's degree (e.g., BA, AB, BS, BBA) 11= Master's degree (e.g., MA, MS, MEng, MEd, MBA) 12= Professional school degree (e.g., MD, DDS, DVM, JD) 13= Doctoral degree (e.g., PhD, EdD) -77= Don't know -88= Refuse to answer UNIVERSE: COUNTRY=2 (USA)

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GENERAL HEALTH [GEN.HEALTH] Source: *CCHS*	In general, would you say your health is…? 1= Excellent 2=Very good 3= Good 4= Fair 5= Poor -77= Don't know -88= Refuse to answer UNIVERSE: ALL
MENTAL HEALTH - HISTORY [MENTAL.EVER] Source: CCHS modified	Do you have a **family history** of mental health problems related to any of the following? SELECT ALL THAT APPLY. 1= Anxiety (including phobia, obsessive-compulsive disorder or a panic disorder) 2= Depression (including dysthymia) 3= Post-traumatic stress disorder (PTSD) or traumatic event (e.g., abuse or loss) 4= Bipolar disorder or mania 5= Psychosis (e.g., paranoia, disorganized thinking, hearing voices that others can't hear) 6= Schizophrenia 7= Drug or alcohol use 8= Other significant emotional or mental health problem (please specify):_____ 9= Nobody in my family has experienced significant emotional or mental health problems. -77= Don't know -88= Refuse to answer UNIVERSE: ALL
MENTAL HEALTH - TYPE [MENTAL.SELF] Source: CCHS modified	Have **you** ever experienced any of the following mental health problems (regardless of whether you were diagnosed)? SELECT ALL THAT APPLY. 1= Anxiety (including phobia, obsessive-compulsive disorder or a panic disorder) 2= Depression (including dysthymia) 3= Post-traumatic stress disorder (PTSD) or traumatic event (e.g., abuse or loss) 4= Bipolar disorder or mania 5= Psychosis (e.g., paranoia, disorganized thinking, hearing voices that others can't hear) 6= Schizophrenia 7= Drug or alcohol use

	8= Other significant emotional or mental health problem (please specify):_____
	9= I have never experienced significant emotional or mental health problems.
	-77= Don't know
	-88= Refuse to answer
	UNIVERSE: ALL
MENTAL HEALTH - DIAGNOSIS [MENTAL.DIAGNOSIS]	**PROGRAMMER NOTE:** SHOW ONLY RESPONSES SELECTED FOR MENTAL.SELF (NOTE THAT 5 and 6 = 5 in this list, and 7= 6 in this list).
	Have you ever been **diagnosed** with any of the following?
	SELECT ALL THAT APPLY.
	1= Anxiety (including phobia, obsessive-compulsive disorder or a panic disorder)
	2= Depression (including or dysthymia)
	3= Post-traumatic stress disorder (PTSD)
	4= Bipolar disorder or mania
	5= Psychotic disorder (including schizophrenia)
	6= Substance use disorder
	7= Other [Specify]
	8= I have never received a mental health diagnosis
	-77= Don't know
	-88= Refuse to answer
	UNIVERSE: MENTAL.SELF=1-8
MENTAL HEALTH - RECENT [MENTAL.12MON]	**PROGRAMMER NOTE:** ONLY SHOW RESPONSE(S) SELECTED IN MENTAL.SELF
	Have you experienced this/these mental health problem(s) in the **past 12 months**?
	SELECT ALL THAT APPLY.
	[responses from MENTAL.SELF]
	-No, I have not experienced this/these mental health problem(s) in the past 12 months
	-77= Don't know
	-88= Refuse to answer
	UNIVERSE: MENTAL.SELF=1-8

PREGANCY **[PREGNANCY]** *Source: CCHS*	Are you currently pregnant? 1= Yes 2= No -77= Don't know -88= Refuse to answer UNIVERSE: SEX.BIRTH =1 (female)
CHILDREN - ANY **[CHILDREN.ANY]** *Source: Canada Food Study*	How many children do you have (including step, foster, or adopted children)? [Insert drop-down list: [0, 1, 2, 3…up to 10, More than 10] -77=Don't know -88=Refuse to answer UNIVERSE: ALL
HOUSEHOLD COMPOSITION **[HOUSEHOLD]**	What is your current living situation? **I live with…** SELECT ALL THAT APPLY 1= My parent(s)/guardian(s) 2= Roommate(s) 3= My partner / spouse 4= Children - 17 years and under 5= Children - 18 years or older 6= I live in a residence at school, university or college 7= I live alone 8= Other (please specify):_____ -77= Don't know -88= Refuse to answer UNIVERSE: ALL
INCOME **[SES]** *Source: adapted from National Cannabis Survey*	What was your **total personal income** (before taxes) over the past 12 months? 1= Less than $20,000 2= $20,000 to less than $30,000 3= $30,000 to less than $40,000 4= $40,000 to less than $50,000 5= $50,000 to less than $60,000 6= $60,000 to less than $70,000 7= $70,000 to less than $80,000

	8= $80,000 to less than $90,000 9= $90,000 to less than $100,000 10= More than $100,000 -77= Don't know -88= Refuse to answer UNIVERSE: ALL
INCOME ADEQUACY **[INCOME.ADEQ]** *Source: CFS. Adapted from Survey of Health, Ageing, and Retirement in Europe (see Litwin & Sapir, 2009)*	Thinking about your family's income, how difficult or easy is it to make ends meet? 1= Very difficult 2= Difficult 3= Neither easy nor difficult 4= Easy 5= Very easy -77= Don't know -88=Refuse to answer UNIVERSE: ALL
HOME LOCATION **[POSTAL.CODE]**	**PROGRAMMER NOTE:** REQUIRE THE CORRECT FIELDS FOR ENTRY: IN CANADA: LETTER, NUMBER, LETTER (6 DIGITS). IN USA: NUMBERS ONLY (5 or 5+4 DIGITS). We would like to ask for your [CAN=postal code / US=zip code]. We will only use this information to determine how close you live to marijuana stores and the characteristics of your neighborhood. Once we calculate this information, we will **permanently delete your [Canada=postal code/US=zip code] from all of our files**. **Your information will not be shared with any other group and it will always be kept strictly confidential.** This is not-for-profit research and we won't share your data with any company or advertiser. Please provide the [CAN=postal code / US=zip code] where you live for most of the year. CAN: Postal code (No spaces): __ __ __ __ __ __ US: Zip code: __ __ __ __ __ -77= Don't know -88= Refuse to answer UNIVERSE: ALL

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HOME LOCATION [INTERSECTION] Source: BRFSS	We understand your decision. Instead of providing your [CAN=postal code / US=zip code], would you feel comfortable telling us the nearest intersection to your home? Please name the 2 cross-streets of this intersection. First street name _____ Second street name_____ -77= Don't know -88= Refuse to answer UNIVERSE: POSTAL.CODE= -77 OR -88
GENDER [SEX.GENDER] Source: CHHS	How would you describe your gender identity today? (Select one). 1= Female 2= Male 3= Transgender 4= Do not identify as female, male, or transgender 5= Other _____ -77= Don't know -88= Refuse to answer UNIVERSE: ALL
SEXUALITY [SEXUALITY] Source: NHANES	Do you identify as: 1= Heterosexual or straight 2= Homosexual or gay or lesbian 3= Bisexual (attracted to men and women) 4= Other: _____ -77= Don't know -88= Refuse UNIVERSE: ALL
HONESTY [HONESTY]	One last question: Were you able to provide 'honest' answers about your marijuana use during the survey? 1= No 2= For some questions, but not all 3= Yes, for all questions

INTERNATIONAL CANNABIS POLICY STUDY

	UNIVERSE: ALL

END SCREEN/FEEDBACK

END *Source: ORE Sample Online Survey Response Template*	**Thank you!** [INSERT *HERO CAT* image] This study has been reviewed and received ethics clearance through a University of Waterloo Research Ethics Committee (ORE #22392). If you have questions for the Committee contact the Office of Research Ethics, at 1-519-888-4567 ext. 36005 or ore-ceo@uwaterloo.ca. **PROGRAMMER NOTE: ALTERNATE WORDING FOR YUKON/NWT RESPODENTS** As a reminder, you will be sent a $15 INTERAC e-transfer through TD Canada Trust bank approximately 2 days after participating in this survey. For all other questions or if you have general comments or questions related to this study, or if you would are interested in receiving a copy of the results, please contact the principal investigator, Professor David Hammond, School of Public Health and Health Systems, at david.hammond@uwaterloo.ca.
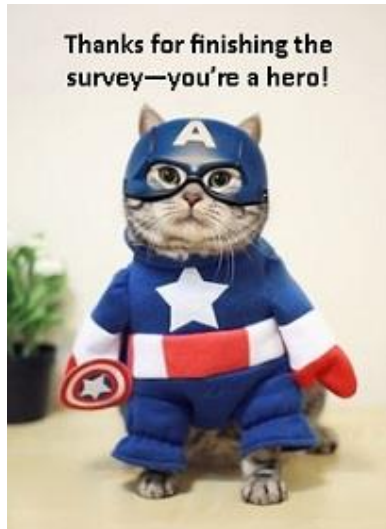
APPENDIX – EXPERIMENTAL IMAGES

Images used in LABEL.APPEAL and AGE.APPEAL.

List of conditions (presented in this order below):
1= bag - full image
2= bag - full image + warning
3= bag - logo + warning
4= bag – logo
5= bag – plain + warning
6= bag – plain
7= oil – full image + warning
8= oil – full image
9= oil – logo+ warning
10= oil – logo
11= oil – plain + warning
12= oil – plain
13= pack – full image + warning
14= pack – full image
15= pack – logo + warning
16 = pack – logo
17= pack – plain + warning
18= pack – plain

Legend:
Bag = bag of edible marijuana gummies
Oil = bottle of cannabis oil
Pack = pack of pre-rolled joints
Full image = full branding
Plain = plain packaging
Warning = Health Canada simulated warning label + THC symbol
Logo = small amount of branding in a circular 'logo'

SOUR DIESEL
GUMMY BEARS

THC 10 mg, CBD 5 mg per gummy

SOUR DIESEL
GUMMY BEARS

THC 10 mg, CBD 5 mg per gummy

WARNING: Adolescents are at greater risk of harms from cannabis.

Early and regular use increases the risk of psychosis and schizophrenia.

SOUR DIESEL
GUMMY BEARS
THC 10 mg, CBD 5 mg
per gummy

SOUR DIESEL
GUMMY BEARS
THC 10 mg, CBD 5 mg
per gummy

**WARNING: Adolescents are
at greater risk of harms from
cannabis.**

Early and regular use increases the risk
of psychosis and schizophrenia.

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SOUR DIESEL
GUMMY BEARS
THC 10 mg, CBD 5 mg
per gummy

SOUR DIESEL
GUMMY BEARS
THC 10 mg, CBD 5 mg
per gummy

THC

WARNING: Adolescents are at greater risk of harms from cannabis.

Early and regular use increases the risk of psychosis and schizophrenia.

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STUDY

SOUR DIESEL
CANNABIS OIL

THC 300 mg
CBD 150 mg

SOUR DIESEL
CANNABIS OIL

THC 300 mg
CBD 150 mg

WARNING: Adolescents are at greater risk of harms from cannabis.

Early and regular use increases the risk of psychosis and schizophrenia.

SOUR DIESEL
CANNABIS OIL
THC 300 mg
CBD 150 mg

SOUR DIESEL
CANNABIS OIL
THC 300 mg
CBD 150 mg

WARNING: Adolescents are at greater risk of harms from cannabis.

Early and regular use increases the risk of psychosis and schizophrenia.

SOUR DIESEL
3 PRE-ROLLED JOINTS
THC 10%, CBD 5%

SOUR DIESEL
3 PRE-ROLLED JOINTS
THC 10%, CBD 5%

THC

WARNING: Adolescents are at greater risk of harms from cannabis.

Early and regular use increases the risk of psychosis and schizophrenia.

SOUR DIESEL
3 PRE-ROLLED JOINTS
THC 10%, CBD 5%

SOUR DIESEL
3 PRE-ROLLED JOINTS
THC 10%, CBD 5%

THC

WARNING: Adolescents are at greater risk of harms from cannabis.

Early and regular use increases the risk of psychosis and schizophrenia.

INTERNATIONAL
CANNABIS POLICY
STUDY

SOUR DIESEL
3 PRE-ROLLED JOINTS
THC 10%, CBD 5%

SOUR DIESEL
3 PRE-ROLLED JOINTS
THC 10%, CBD 5%

WARNING: Adolescents are at greater risk of harms from cannabis.

Early and regular use increases the risk of psychosis and schizophrenia.