

## Appendix J: Oral Cancer Risk Factor Survey

### Practice Questions

The following questions are practice questions, to help you become familiar with selecting answers on the computer. These questions are only for practice, so it does not matter if you choose the right or wrong answer.

0.0. [Practice question for selecting one answer from a vertical list]

Who was the first president of the United States?

1. George Washington
2. John F. Kennedy
3. Ronald Reagan
4. Bill Clinton

0.1. [Practice question for entering a numeric value on a touch pad]

How many eggs are in a dozen?

[Enter numeric value]

0.2. [Practice question for selecting one answer from a horizontal list]

What color is the sky?

1. Black
2. Yellow
3. Blue
4. Green

0.3. [Practice question for selecting more than one answer from a vertical list]

Which of the following are animals?

(Check all that apply)

1. Dog
2. Bus
3. Lion
4. Stairs
5. Cat

0.5. [Practice question for the use of scrolling through a list of answer options that continue past the bottom of the screen]

Please select the number 20.

1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7
8. 8
9. 9
10. 10
11. 11
12. 12
13. 13
14. 14
15. 15
16. 16
17. 17
18. 18
19. 19
20. 20

0.7. [Practice using the slider scale]

On a scale of 1 to 7, with one being terrible and 7 being perfect, how would you rate today's weather?

[Help box: To select a number, tap the circle at the end of the scale and drag it to that number.]

1. Terrible
- 2.
- 3.
- 4.
- 5.
- 6.
7. Perfect

**<End of section>**

This survey will ask you about your background, including tobacco, alcohol and drug use and sexual behavior. Some of the questions are very personal. Some of the questions may be difficult for you to answer or may be hard to remember. If you cannot remember exactly, please make your best estimate. Please take as much time as you need and answer all questions honestly.

This survey is designed to measure behaviors that have been linked to risk of oral cancer. Previous research has found that fairly common behaviors, such as tobacco use, alcohol use, drug use, and sexual behavior, may increase the risk of oral cancer. Not everyone who engages in these behaviors gets oral cancer. We are asking you to share some information about your own background. We realize this information may be very personal.

All of your answers are strictly confidential. Your responses to the survey will not be linked to your name or your medical record, and will only be identified by your study ID number. Only the principal researchers involved in the research (not your dentist or dental clinic staff) will have access to this information. This information will **not** be released to anyone else at any time for any purpose.

## **Demographic Section<sup>1</sup>**

The following set of questions asks general information about your background.

DMG.1.0. Are you male or female?

1. Male
2. Female

DMG.2.0. What is your age in years?

[Enter numeric value]

DMG.3.0. Do you consider yourself to be Hispanic or Latino?

1. Hispanic or Latino
2. Not Hispanic or Latino

DMG.4.0. Which race do you consider yourself to be?

Please select all that apply:

1. American Indian or Alaska Native
2. Asian
3. Black or African American
4. Native Hawaiian or Other Pacific Islander
5. White
6. Other
7. Don't know

[If more than one race indicated, ask:]

DMG.4.1. Which one of these groups would you say best represents your race?

1. American Indian or Alaska Native
2. Asian
3. Black or African American
4. Native Hawaiian or Other Pacific Islander
5. White
6. Other
7. Don't know

DMG.5.0. What is your current marital status?

1. Married
2. Living with partner

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<sup>1</sup> Questions derived from NHANES 2009-10 and BRFSS 2010

3. Divorced
4. Widowed
5. Separated
6. Single, never been married

DMG.6.0.       Where do you live now?

1. In a condominium or house that you own
2. In a rented apartment or house where you pay all of the bills
3. In a rented apartment or house where you pay some of the bills
4. Living with relatives or friends who pay all of the bills
5. In public assistance housing
6. Homeless or homeless shelter
7. Other

DMG.7.0.       Which of the following best describes your current work status?

Please select all that apply:

1. Employed for wages
2. Self-employed
3. Out of work for more than 1 year
4. Out of work for less than 1 year
5. A homemaker
6. A student
7. Retired
8. Unable to work
9. Other
10. Don't know

DMG.8.0.       What is the highest grade or level of school you have completed?

1. Did not finish high school
2. Finished high school (diploma) or passed GED or equivalent
3. Went to vocational/technical school
4. Some college or associate's degree
5. Bachelor's degree
6. Advanced degree
7. No formal education

**<End of section>**

## **Tobacco Section**<sup>2</sup>

The following questions are about using tobacco. Some of the questions may be difficult for you to answer or may be hard to remember. If you cannot remember the exact answer, please make your best estimate. Please take as much time as you need and answer all questions honestly.

TBC.1.0. In your lifetime, have you EVER used any kind of tobacco (for example, cigarettes, pipe, chewing tobacco, cigars, snuff)?

- 0. No **<End of section>**
- 1. Yes

TBC.2.0. What type(s) of tobacco have you used in your lifetime? Please select all that apply:

- 1. Cigarettes
- 2. Cigars
- 3. Pipe tobacco
- 4. Smokeless tobacco (chew, moist snuff)
- 5. Other

<For each type picked, ask sub-section questions relevant to that type>

**Cigarettes** <Proceed with sub-section if TBC.2.0 has cigarettes, 1, checked>

The following questions are about smoking cigarettes.

TBC.3.0. Have you smoked at least 100 cigarettes in your lifetime?

(Help box: 100 cigarettes = 5 packs)

- 0. No <Skip to next sub-section, as appropriate>
- 1. Yes

TBC.3.1. Have you ever smoked cigarettes daily for at least one month or more?

- 0. No <Skip to other tobacco sections, as appropriate>
- 1. Yes

As you answer questions about your use of cigarettes, a timeline will be created, showing your use of them. For any quit attempts, the timeline will show how long you quit using cigarettes. The timeline reappears after you enter more information about your use of cigarettes.

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<sup>2</sup> Questions derived from LTUQ (Lifetime Tobacco Use Questionnaire, version 5; Brigham J, et al. Test-retest reliability of web-based retrospective self-report of tobacco exposure and risk. J Med Internet Res 2009;11(3):e35) and Gillison research team surveys (D'Souza G, et al. Case-control study of human papillomavirus and oropharyngeal cancer. N Engl J Med 2007;356:1944-56). BRASS Tobacco v2.0 (MODIFIED)

You may need to scroll to see the entire timeline. Please check the timeline to make sure the events noted are listed at the correct age. If any are incorrect, please use the "Previous" button to go back and correct the age.

TBC.3.1.1. How old were you when you started smoking cigarettes daily? Enter age in years.

[Enter numeric value]

<Begin timeline for regular use, starting with selected age>

TBC.3.2. Do you still smoke cigarettes daily?

- 0. No
- 1. Yes <Skip to TBC.3.3>

TBC.3.2.1. How old were you when you stopped smoking cigarettes daily? Enter age in years.

[Enter numeric value]

<Update timeline with end of regular use>

<If answer (x) < (age-1), skip to TBC.3.3>

TBC.3.2.2. When did you have your last cigarette?

- 1. Less than 6 months ago
- 2. 6 to less than 12 months ago
- 3. 1 year ago or more <option only available if quitAge = currentAge-1>

<For TBC.3.2=0: If TBC.3.2.1 minus TBC.3.1.1≤2, skip to TBC.3.4>

<For TBC.3.2=1: If current age minus TBC.3.1.1≤2, skip to TBC.3.4>

TBC.3.3. When you smoked cigarettes from age <regular start age from TBC.3.1.1> to <[If TBC.3.2=0, No: quit age from TBC.3.2.1] [If TBC.3.2=1, Yes: "now"]>, was there ever a period when you quit smoking cigarettes for a year or more?

(Help box: **To quit** means not smoking cigarettes for a year or more, except for a temporary slip of a day or two)

- 0. No <Skip to TBC.3.4>
- 1. Yes

TBC.3.3.1. When you smoked cigarettes from age <regular start age from TBC.3.1.1> to <[If TBC.3.2=0, No: quit age from TBC.3.2.1] [If TBC.3.2=1, Yes: "now"]>, how many different times did you quit smoking cigarettes for a year or more?

(Help box: **To quit** means not smoking cigarettes for a year or more, except for a temporary slip of a day or two)

[Enter numeric value]

[If TBC.3.3.1>2, display screen:

The following questions ask about the first two periods of time when you quit for a year or more.

Otherwise, skip to TBC.3.3.2.1]

TBC.3.3.2.1. After you started smoking cigarettes at age <regular start age from TBC.3.1.1>, how old were you the first time you quit smoking cigarettes? Enter age in years.

(Help box: **To quit** means not smoking cigarettes for a year or more, except for a temporary slip of a day or two)

[Enter numeric value]

TBC.3.3.2.2. How old were you when you re-started? Enter age in years.

[Enter numeric value]

<Update timeline with 1<sup>st</sup> quit period>

<If TBC.3.3.1=1, SKIP TO TBC.3.4.1>

TBC.3.3.3.1. How old were you the second time you quit smoking cigarettes? Enter age in years.

(Help box: **To quit** means not smoking cigarettes for a year or more, except for a temporary slip of a day or two)

[Enter numeric value]

TBC.3.3.3.2. How old were you when you re-started? Enter age in years.

[Enter numeric value]

<Update timeline with 2<sup>nd</sup> quit period>

<Frequency questions>

[Ask TBC.3.4 for current or former smokers with NO quit periods during the time of their daily smoking (Ask TBC.3.4 if TBC.3.3=0)];

[Ask TBC.3.4 for smoker with ≤2 years of regular smoking (For TBC.3.2=0: If TBC.3.2.1 minus TBC.3.1.1≤2) (For TBC.3.2=1: If current age minus TBC.3.1.1≤2)];

[Otherwise, skip to TBC.3.4.1]

TBC.3.4. When you smoked cigarettes from age <regular start age from TBC.3.1.1> to <[If TBC.3.2=0, No: quit age from TBC.3.2.1] [If TBC.3.2=1, Yes: "now"]>, how many cigarettes did you usually smoke per day?

[Enter numeric value]

(Help box: There are usually 20 cigarettes in one pack)

<If (TBC.3.3=0) or (For TBC.3.2=0: If TBC.3.2.1 minus TBC.3.1.1≤2) or (For TBC.3.2=1: If current age minus TBC.3.1.1≤2), skip to next tobacco sub-sections, as appropriate>

TBC.3.4.1. When you smoked cigarettes from age <regular start age from TBC.3.1.1> to <1<sup>st</sup> quit age from TBC.3.3.2.1>, how many cigarettes did you usually smoke per day?

[Enter numeric value]

(Help box: There are usually 20 cigarettes in one pack)

TBC.3.4.2. When you smoked cigarettes from age <re-start age after first quit from TBC.3.3.2.2> to <[If TBC.3.3.1=1 & TBC.3.2=0, No: quit age from TBC.3.2.1] [If TBC.3.3.1=1 & TBC.3.2=1, Yes: “now”] [If TBC.3.3.1>1, 2<sup>nd</sup> quit age from TBC.3.3.3.1]>, how many cigarettes did you usually smoke per day?

[Enter numeric value]

(Help box: There are usually 20 cigarettes in one pack)

<If TBC.3.3.1=1, skip to next tobacco sub-section, as appropriate>

TBC.3.4.3. When you smoked cigarettes from age <re-start age after second quit from TBC.3.3.3.2> to <[If TBC.3.2=0, No: quit age from TBC.3.2.1] [If TBC.3.2=1, Yes: “now”]>, how many cigarettes did you usually smoke per day?

[Enter numeric value]

(Help box: There are usually 20 cigarettes in one pack)

**Cigars** <Proceed with sub-section if TBC.2.0 has cigars, 2, checked>

The following questions are about smoking cigars.

TBC.4.0. Have you ever smoked cigars regularly? By regularly, we mean at least once a week for six months or more.

- 0. No
- 1. Yes

**Pipe tobacco** <Proceed with sub-section if TBC.2.0 has pipe tobacco, 3, checked>

The following questions are about smoking pipes.

TBC.5.0. Have you ever smoked a pipe regularly? By regularly, we mean at least once a week for six months or more.

- 0. No
- 1. Yes

**Smokeless Tobacco** <Proceed with section if TBC.2.0 has smokeless tobacco, 4, checked>

The following questions are about using smokeless tobacco (chew, moist snuff).

TBC.6.0. Have you ever used smokeless tobacco regularly? By regularly, we mean at least once a week for six months or more.

- 0. No
- 1. Yes

**Recent cigarette use** <Proceed with section if TBC.3.0=1. If TBC3.0=0, or if question was skipped due to previous questions response pattern, end of section>

These next questions are about recent cigarette smoking.

TBC.7.0. Do you now smoke cigarettes...

- 1. Every day
- 2. Some days
- 3. Not at all <End of section>

TBC.7.1. During the past **30 days**, on how many days did you smoke cigarettes?

[Enter numeric value]

<NOTE: Allow 0 as an entry. If Q.8.2=0, end of section>

TBC.7.2. During the past **30 days**, on the days that you smoked, how many cigarettes did you smoke per day?

[Help box: 1 pack equals 20 cigarettes. If less than 1 per day, enter 1]

[Enter numeric value]

< NOTE: Do not allow 0 as an entry>

**<End of section>**

## **Alcohol Use Section**<sup>3</sup>

The following questions are about drinking alcohol. Some of the questions may be difficult for you to answer or may be hard to remember. If you cannot remember the exact answer, please make your best estimate. Please take as much time as you need and answer all questions honestly.

ALC.1.0. Have you ever had a drink containing alcohol?

- 0. No <End of section>
- 1. Yes

ALC.1.1. How old were you when you first tried drinking alcohol? Enter age in years.

[Enter numeric value]

ALC.2.0. Did you ever drink alcohol regularly? By regularly, we mean at least once a month for six months or more.

- 0. No <End of section>
- 1. Yes

As you answer questions about your use of alcohol, a timeline will be created, showing your use of it. The timeline reappears after you enter more information about your use of alcohol.

You may need to scroll to see the entire timeline. Please check the timeline to make sure the events noted are listed at the correct age. If any are incorrect, please use the "Previous" button to go back and correct the age.

ALC.2.1. How old were you when you first started drinking alcohol regularly? Enter age in years.

(Help box: Regularly means at least once a month for six months or more)

[Enter numeric value]

<Begin timeline for regular use, starting with selected age>

ALC.2.2. Do you still drink alcohol regularly?

(Help box: Regularly means at least once a month)

- 0. No

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<sup>3</sup> Questions derived from Gillison research team surveys (D'Souza G, et al. N Engl J Med 2007;356:1944-56) and adapted from LTUQ (Lifetime Tobacco Use Questionnaire, version 5; Brigham J, et al. J Med Internet Res 2009;11(3):e35). BRASS Alcohol v2.0 (MODIFIED).

1. Yes <Skip to ALC.3.0>

ALC.2.2.1. How old were you when you stopped drinking alcohol regularly? Enter age in years.

(Help box: Regularly means at least once a month)

[Enter numeric value]

<Update timeline with end of regular use>

<If answer (x) < (age-1), skip to ALC.3.0>

ALC.2.2.2. When did you have your last alcohol beverage?

1. Less than 6 months ago
2. 6 to less than 12 months ago
3. 1 year or more ago <option only available if quitAge = currentAge-1>

ALC.3.0. From age <regular start age from ALC.2.1> to <[If ALC.2.2=0, No: stop reg. use age from 2.2.1] [If ALC.2.2=1, Yes: "now"]>, what type(s) of alcohol beverage(s) would you usually drink?

Please select all that apply:

1. Beer
2. Wine
3. Liquor or mixed drink
4. Other

ALC.4.0. We understand that drinking habits, such as how often and how much a person drinks, may change over time. From age <regular start age from ALC.2.1> to <[If ALC.2.2=0, No: stop reg. use age from 2.2.1] [If ALC.2.2=1, Yes: "now"]>, would you say that your drinking habits (how often and/or how much you drank) changed significantly over time?

0. No
1. Yes <skip to ALC.6.0>

ALC.5.0. From age <regular start age from ALC.2.1> to <[If ALC.2.2=0, No: stop reg. use age from 2.2.1] [If ALC.2.2=1, Yes: "now"]>, how many days per week did you usually drink alcohol?

0. Less than 1 day per week
1. 1
2. 2
3. 3
4. 4
5. 5
6. 6

7. 7

ALC.5.0.1. <Ask if ALC.5.0=0; otherwise, skip to ALC.5.1>

From age <regular start age from ALC.2.1> to <[If ALC.2.2=0, No: stop reg. use age from 2.2.1] [If ALC.2.2=1, Yes: "now"]>, how many days per month did you usually drink alcohol?

0. Less than 1 time per month
1. Once a month
2. Twice a month
3. Three times per month

ALC.5.1. From age <regular start age from ALC.2.1> to <[If ALC.2.2=0, No: stop reg. use age from 2.2.1] [If ALC.2.2=1, Yes: "now"]>, how many drinks did you USUALLY have on days that you drank alcohol?

(Help box: One drink equals a 12-ounce bottle of beer, a 5-ounce glass or wine, or a 1.5-ounce shot of liquor or a mixed drink containing a shot of liquor)

[Enter numeric value]

<For ALC.2.2=0: If ALC.2.2.1 minus ALC.2.1≤2, end of section; otherwise, ask ALC.5.2>

<For ALC.2.2=1: If current age minus ALC.2.1≤2, end of section; otherwise, ask ALC.5.2>

ALC.5.2. From age <regular start age from ALC.2.1> to <[If ALC.2.2=0, No: stop reg. use age from ALC.2.2.1] [If ALC.2.2=1, Yes: "now"]>, was there ever a period when you quit drinking alcohol for a year or more?

0. No <end of section>
1. Yes <Ask ALC.5.2.1>

ALC.5.2.1. From age <regular start age from ALC.2.1> to <[If ALC.2.2=0, No: stop reg. use age from ALC.2.2.1] [If ALC.2.2=1, Yes: "now"]>, for how many years did you quit drinking alcohol?

[Enter numeric value]

<If ALC.4.0=0, end of section>

The following questions ask you about the period of time when you used alcohol the most. For these questions, please think about the longest continuous period of time in your life when you drank the most.

ALC.6.0. Considering the entire time you drank alcohol in your life, think about the period of time when you used alcohol the most...

How many days per week did you usually drink alcohol?

0. Less than 1 day per week
1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7

ALC.6.0.1. <Ask if ALC.6.0=0; otherwise, skip to ALC.6.0.2>

Considering the entire time you drank alcohol in your life, think about the period of time when you used alcohol the most...

How many days per month did you usually drink alcohol?

0. Less than 1 time per month
1. Once a month
2. Twice a month
3. Three times per month

ALC.6.0.2. Considering the entire time you drank alcohol in your life, think about the period of time when you used alcohol the most...

How many drinks did you USUALLY have on days that you drank alcohol?

(Help box: One drink equals a 12-ounce bottle of beer, a 5-ounce glass or wine, or a 1.5-ounce shot of liquor or a mixed drink containing a shot of liquor)

[Enter numeric value]

ALC.6.0.3. Considering the entire time you drank alcohol in your life, think about the period of time when you used alcohol the most.

At what age did you start drinking this amount? Enter age in years.

[Enter numeric value]

ALC.6.0.4. Considering the entire time you drank alcohol in your life, think about the period of time when you used alcohol the most.

At what age did you stop drinking this amount? Enter age in years.

(Help box: If you still drink this amount, enter your current age)

[Enter numeric value]

<Update timeline with “used the most”>

<If ALC.6.0.4 minus ALC.6.0.3 $\leq$ 2, skip to ALC.7.0; otherwise, ask ALC.6.0.5>

ALC.6.0.5. When you used alcohol the most, from age <ALC.6.0.3> to <ALC.6.0.4>, was there ever a period when you quit drinking for a year or more?

0. No <Skip to ALC.7.0>
1. Yes <Ask ALC.6.0.5.1>

ALC.6.0.5.1. From age <ALC.6.0.3> to <ALC.6.0.4>, for how many years did you quit drinking alcohol?

[Enter numeric value]

<If ALC.6.0.3 is greater than ALC.2.1, ask ALC.7.0; otherwise, skip to ALC.8.0>

ALC.7.0. From age <regular start age from ALC.2.1> to <start age of heaviest drinking from ALC.6.0.3>, how many days per week did you usually drink alcohol?

0. Less than 1 day per week
1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7

ALC.7.0.1. <Ask if ALC.7.0=0; otherwise, skip to ALC.7.1>

From age <regular start age from ALC.2.1> to <start age of heaviest drinking from ALC.6.0.3>, how many days per month did you usually drink alcohol?

0. Less than 1 time per month
1. Once a month
2. Twice a month
3. Three times per month

ALC.7.1. From age <regular start age from ALC.2.1> to <start age of heaviest drinking from ALC.6.0.3>, how many drinks did you USUALLY have on days that you drank alcohol?

(Help box: One drink equals a 12-ounce bottle of beer, a 5-ounce glass or wine, or a 1.5-ounce shot of liquor or a mixed drink containing a shot of liquor)

[Enter numeric value]

< If ALC.6.0.3 minus ALC.2.1≤2, skip to ALC.8.0; otherwise, ask ALC.7.2>

ALC.7.2. From age <regular start age from ALC.2.1> to <start age of heaviest use from ALC.6.0.3>, was there ever a period when you quit drinking alcohol for a year or more?

0. No <Skip to ALC.8.0>
1. Yes <Ask ALC.7.2.1>

ALC.7.2.1. From age <regular start age from ALC.2.1> to <start age of heaviest use from ALC.6.0.3>, for how many years did you quit drinking alcohol?

[Enter numeric value]

<If ALC.2.2=1, "Yes," & ALC.6.0.4 is less than current age, ask ALC.8.0; If ALC.2.2=0, "No" & ALC.6.0.4 is less than quit age ALC.2.2.1, ask ALC.8.0; otherwise, end of section>

ALC.8.0. From age <end age of heaviest drinking from ALC.6.0.4> to <[If ALC.2.2=0, No: stop reg. use age from ALC.2.2.1] [If ALC.2.2=1, Yes: "now"]>, how many days per week did you usually drink alcohol?

0. Less than 1 day per week
1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7

ALC.8.0.1. <Ask if ALC.8.0=0; otherwise, skip to ALC.8.1>

From age <end age of heaviest drinking from ALC.6.0.4> to <[If ALC.2.2=0, No: stop reg. use age from ALC.2.2.1] [If ALC.2.2=1, Yes: "now"]>, how many days per month did you usually drink alcohol?

0. Less than 1 time per month
1. Once a month
2. Twice a month
3. Three times per month

ALC.8.1. From age <end age of heaviest drinking from ALC.6.0.4> to <[If ALC.2.2=0, No: stop reg. use age from ALC.2.2.1] [If ALC.2.2=1, Yes: "now"]>, how many drinks did you USUALLY have on days that you drank alcohol?

(Help box: One drink equals a 12-ounce bottle of beer, a 5-ounce glass or wine, or a 1.5-ounce shot of liquor or a mixed drink containing a shot of liquor)

[Enter numeric value]

<For ALC.2.2=0: If ALC.2.2.1 minus ALC.6.0.4 $\leq$ 2, end of section; otherwise, ask ALC.8.2>

<For ALC.2.2=1: If current age minus ALC.6.0.4 $\leq$ 2, end of section; otherwise, ask ALC.8.2>

ALC.8.2. From age <end age of heaviest use from ALC.6.0.4> to <[If ALC.2.2=0, No: stop reg. use age from ALC.2.2.1] [If ALC.2.2=1, Yes: "now"]>, was there ever a period when you quit drinking alcohol for a year or more?

0. No <end of section>

1. Yes <Ask ALC.8.2.1>

ALC.8.2.1. From age <end age of heaviest use from ALC.6.0.4> to <[If ALC.2.2=0, No: stop reg. use age from ALC.2.2.1] [If ALC.2.2=1, Yes: "now"]>, for how many years did you quit drinking alcohol?

[Enter numeric value]

**<End of section>**

## **Marijuana Use Section**<sup>4</sup>

The following questions are about smoking marijuana (pot). Some of the questions may be difficult for you to answer or may be hard to remember. If you cannot remember the exact answer, please make your best estimate. Please take as much time as you need and answer all questions honestly.

All of your answers are strictly confidential. Your responses to the survey will not be linked to your name or your medical record, and will only be identified by your study ID number.

MRJ.1.0. Have you ever smoked marijuana or hashish?

- 0. No <End of section>
- 1. Yes

MRJ.1.1. How old were you when you first tried smoking marijuana or hashish? Enter age in years.

[Enter numeric value]

MRJ.2.0. Did you ever smoke marijuana or hashish regularly? By regularly, we mean at least once a month for six months or more.

- 0. No < End of section>
- 1. Yes

As you answer questions about your use of marijuana, a timeline will be created, showing your use of it. The timeline reappears after you enter more information about your use of marijuana.

You may need to scroll to see the entire timeline. Please check the timeline to make sure the events noted are listed at the correct age. If any are incorrect, please use the "Previous" button to go back and correct the age.

MRJ.2.1. How old were you when you first started smoking marijuana or hashish regularly? Enter age in years.

(Help box: Regularly means at least once a month for six months or more)

[Enter numeric value]

<Begin timeline for regular use, starting with selected age>

MRJ.2.2. Do you still smoke marijuana or hashish regularly?

(Help box: Regularly means at least once a month)

---

<sup>4</sup> Questions derived from Gillison research team surveys (D'Souza G, et al. N Engl J Med 2007;356:1944-56) and adapted from LTUQ (Lifetime Tobacco Use Questionnaire, version 5; Brigham J, et al. J Med Internet Res 2009;11(3):e35). BRASS v2.0.

- 0. No
- 1. Yes <Skip to MRJ.3.0>

MRJ.2.2.1. How old were you when you stopped smoking marijuana or hashish regularly? Enter age in years.

(Help box: Regularly means at least once a month)

[Enter numeric value]

<Update timeline with end of regular use>  
<If answer (x) < (age-1), skip to MRJ.3.0>

MRJ.2.2.2. When did you last smoke marijuana or hashish?

- 1. Less than 6 months ago
- 2. 6 to less than 12 months ago
- 3. 1 year or more ago <option only available if quitAge = currentAge-1>

MRJ.3.0. From age <regular start age from MRJ.2.1> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, how would you usually smoke marijuana or hashish?

Please select all that apply:

- 1. Pipes or bowls
- 2. Joints
- 3. Bong or water pipe
- 4. Vaporizer
- 5. Other

MRJ.4.0. We understand that marijuana smoking habits, such as how often and how much a person smokes, may change over time.

From age <regular start age from MRJ.2.1> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, would you say that your marijuana smoking habits (how often and/or how much you smoked) changed significantly over time?

- 0. No
- 1. Yes <skip to MRJ.6.0>

MRJ.5.0. From age <regular start age from MRJ.2.1> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, how many days per week did you usually smoke marijuana?

- 0. Less than 1 day per week
- 1. 1

2. 2
3. 3
4. 4
5. 5
6. 6
7. 7

MRJ.5.0.1. <Ask if MRJ.5.0=0; otherwise, skip to MRJ.5.1>

From age <regular start age from MRJ.2.1> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, how many days per month did you usually smoke marijuana?

0. Less than 1 time per month
1. Once a month
2. Twice a month
3. Three times per month

MRJ.5.1. From age <regular start age from MRJ.2.1> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, how many "hits" (inhalations or lungfuls) did you USUALLY smoke on days that you smoked marijuana?

[Enter numeric value]

<For MRJ.2.2=0: If MRJ.2.2.1 minus MRJ.2.1≤2, end of section; otherwise, ask MRJ.5.2>

<For MRJ.2.2=1: If current age minus MRJ.2.1≤2, end of section; otherwise, ask MRJ.5.2>

MRJ.5.2. From age <regular start age from MRJ.2.1> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, was there ever a period when you quit smoking marijuana or hashish for a year or more?

0. No <end of section>
1. Yes <Ask MRJ.5.2.1>

MRJ.5.2.1. From age <regular start age from MRJ.2.1> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, for how many years did you quit smoking marijuana or hashish?

[Enter numeric value]

<If MRJ.4.0=0, end of section>

The following questions ask you about the period of time when you smoked marijuana the most. For these questions, please think about the longest continuous period of time in your life when you smoked the most.

MRJ.6.0. Considering the entire time you smoked marijuana in your life, think about the period of time when you smoked the most...

How many days per week did you usually smoke marijuana?

- 0. Less than 1 day per week
- 1. 1
- 2. 2
- 3. 3
- 4. 4
- 5. 5
- 6. 6
- 7. 7

MRJ.6.0.1. <Ask if MRJ.6.0=0; otherwise, skip to MRJ.6.0.2>

Considering the entire time you smoked marijuana in your life, think about the period of time when you smoked the most...

How many days per month did you usually smoke marijuana?

- 0. Less than 1 time per month
- 1. Once a month
- 2. Twice a month
- 3. Three times per month

MRJ.6.0.2. Considering the entire time you smoked marijuana in your life, think about the period of time when you smoked the most...

How many "hits" (inhalations or lungfuls) did you USUALLY smoke on days that you smoked marijuana?

[Enter numeric value]

MRJ.6.0.3. Considering the entire time you smoked marijuana in your life, think about the period of time when you smoked the most...

At what age did you start smoking this amount? Enter age in years.

[Enter numeric value]

MRJ.6.0.4. Considering the entire time you smoked marijuana in your life, think about the period of time when you smoked the most...

At what age did you stop smoking this amount? Enter age in years.

(Help box: If you still smoke this amount, enter your current age)

[Enter numeric value]

<Update timeline period MRJ.6.0.3 to MRJ.6.0.4 with “used the most”>

<If MRJ.6.0.4 minus MRJ.6.0.3≤2, skip to MRJ.7.0; otherwise, ask MRJ.6.0.5>

MRJ.6.0.5. When you smoked marijuana or hashish the most, from age <MRJ.6.0.3> to <MRJ.6.0.4>, was there ever a period when you quit smoking it for a year or more?

0. No <Skip to MRJ.7.0>
1. Yes <Ask TBC.6.0.5.1>

MRJ.6.0.5.1. From age <MRJ.6.0.3> to <MRJ.6.0.4>, for how many years did you quit smoking marijuana or hashish?

[Enter numeric value]

<If MRJ.6.0.3 is greater than MRJ.2.1, ask MRJ.7.0; otherwise, skip to MRJ.8.0>

MRJ.7.0. From age <regular start age from MRJ.2.1> to <start age of heaviest use from MRJ.6.0.3>, how many days per week did you usually smoke marijuana?

0. Less than 1 day per week
1. 1
2. 2
3. 3
4. 4
5. 5
6. 6
7. 7

MRJ.7.0.1. <Ask if MRJ.7.0=0; otherwise, skip to MRJ.7.1>

From age <regular start age from MRJ.2.1> to <start age of heaviest use from MRJ.6.0.3>, how many days per month did you usually smoke marijuana?

0. Less than 1 time per month
1. Once a month
2. Twice a month
3. Three times per month

MRJ.7.1. From age <regular start age from MRJ.2.1> to <start age of heaviest use from MRJ.6.0.3>, how many “hits” (inhalations or lungfuls) did you USUALLY smoke on days that you smoked marijuana?

[Enter numeric value]

< If MRJ.6.0.3 minus MRJ.2.1≤2, skip to MRJ.8.0; otherwise, ask MRJ.7.2>

MRJ.7.2. From age <regular start age from MRJ.2.1> to <start age of heaviest use from MRJ.6.0.3>, was there ever a period when you quit smoking marijuana or hashish for a year or more?

- 0. No <Skip to MRJ.8.0>
- 1. Yes <Ask MRJ.7.2.1>

MRJ.7.2.1. From age <regular start age from MRJ.2.1> to <start age of heaviest use from MRJ.6.0.3>, for how many years did you quit smoking marijuana or hashish?

[Enter numeric value]

<For MRJ.2.2=0: If MRJ.6.0.4 is less than quit age MRJ.2.2.1, ask MRJ.8.0; otherwise, end of section>  
<For MRJ.2.2=1: If MRJ.6.0.4 is less than current age, ask MRJ.8.0; otherwise, end of section>

MRJ.8.0. From age <end age of heaviest use from MRJ.6.0.4> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, how many days per week did you usually smoke marijuana?

- 0. Less than 1 day per week
- 1. 1
- 2. 2
- 3. 3
- 4. 4
- 5. 5
- 6. 6
- 7. 7

MRJ.8.0.1. <Ask if MRJ.8.0=0; otherwise, skip to MRJ.8.1>

From age <end age of heaviest use from MRJ.6.0.4> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, how many days per month did you usually smoke marijuana?

- 0. Less than 1 time per month
- 1. Once a month
- 2. Twice a month
- 3. Three times per month

MRJ.8.1. From age <end age of heaviest smoking from MRJ.6.0.4> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: "now"]>, how many "hits" (inhalations or lungfuls) did you USUALLY smoke on days that you smoked marijuana?

[Enter numeric value]

<For MRJ.2.2=0: If MRJ.2.2.1 minus MRJ.6.0.4≤2, end of section; otherwise, ask MRJ.8.2>  
<For MRJ.2.2=1: If current age minus MRJ.6.0.4≤2, end of section; otherwise, ask MRJ.8.2>

MRJ.8.2. From age <end age of heaviest use from MRJ.6.0.4> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: “now”]>, was there ever a period when you quit smoking marijuana or hashish for a year or more?

- 0. No <skip to MRJ.8.0>
- 1. Yes <Ask MRJ.8.2.1>

MRJ.8.2.1. From age <end age of heaviest use from MRJ.6.0.4> to <[If MRJ.2.2=0, No: stop reg. use age from MRJ.2.2.1] [If MRJ.2.2=1, Yes: “now”]>, for how many years did you quit smoking marijuana or hashish?

[Enter numeric value]

**<End of section>**

## **Sexual Behavior/History Section**<sup>5</sup>

The following questions ask about fairly common sexual behaviors that you may or may not have experienced. We know this is very private information. Please do your best to answer the questions. We will ask you about your sexual history with both men and women. Some of the questions may be difficult for you to answer or may be hard to remember. If you cannot remember exactly, please make your best estimate. Please take as much time as you need and answer all questions honestly.

All of your answers are strictly confidential. Your responses to the survey will not be linked to your name, and will only be identified by your study ID number. Only the principal researchers involved in the research (not your dentist or dental clinic staff) will have access to this information. This information will **not** be released to anyone else at any time for any purpose.

### **QUESTIONS FOR MEN**

<Skip to SXH.9.0 if respondent is female>

SXH.1.0. Do you think of yourself as...

1. Heterosexual or straight (attracted to women)
2. Homosexual or gay (attracted to men)
3. Bisexual (attracted to men and women)
4. Something else
5. Not sure

### **Sexual habits with women**

The following questions ask about your sexual history with women.

SXH.2.0. Have you ever had vaginal sex, also called sexual intercourse, with a woman? This means your penis in a woman's vagina.

0. No <Skip to SXH.3.0>
1. Yes

SXH.2.1. How old were you when you first had vaginal sex with a woman? Enter age in years.

[Enter numeric value]

SXH.2.2. How many different women have you had vaginal sex with in your life?

[Enter numeric value]

SXH.3.0. Have you ever performed oral sex on a woman? This means putting your mouth or tongue on a woman's vagina or genitals.

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<sup>5</sup> Questions derived from NHANES 2009-10 and Gillison research team surveys (D'Souza G, et al. N Engl J Med 2007;356:1944-56). BRASS v3.0

- 0. No <Skip to SXH.4.0>
- 1. Yes

SXH.3.1. How old were you when you first performed oral sex on a woman? Enter age in years.

[Enter numeric value]

SXH.3.2. How many different women have you performed oral sex on in your life?

[Enter numeric value]

SXH.4.0. Have you ever had anal sex with a woman? This means putting your penis into a woman's anus or butt.

- 0. No <Skip to SXH.5.0>
- 1. Yes

SXH.4.1. How old were you when you first had anal sex with a woman? Enter age in years.

[Enter numeric value]

SXH.4.2. How many different women have you had anal sex with in your life?

[Enter numeric value]

SXH.5.0. <Ask if SXH.2.0=1 or SXH.3.0=1 or SXH.4.0=1; otherwise skip to SXH.6.0>

In your lifetime, with how many women have you had any kind of sex?

[Enter numeric value]

SXH.5.1. Have you ever had any kind of sex with a man?

- 0. No <Skip to SXH.15.0>
- 1. Yes

### **Sexual habits with men**

The following questions ask about your sexual history with men.

SXH.6.0. Have you ever performed oral sex on a man? This means putting your mouth or tongue on a man's penis or genitals.

- 0. No <Skip to SXH.7.0>
- 1. Yes

SXH.6.1. How old were you when you first performed oral sex on a man? Enter age in years.

[Enter numeric value]

SXH.6.2. How many different men have you performed oral sex on in your life?

[Enter numeric value]

SXH.7.0. Have you ever had anal sex with a man? This means putting your penis in a man's anus or butt or a man's penis in your anus or butt.

0. No <Skip to SXH.8.0>
1. Yes

SXH.7.1. How old were you when you first had anal sex with a man? Enter age in years.

[Enter numeric value]

SXH.7.2. How many different men have you had anal sex with in your life?

[Enter numeric value]

SXH.8.0. <Ask if SXH.6.0=1 or SXH.7.0=1; otherwise skip to SXH.15.0>

In your lifetime, with how many men have you had any kind of sex?

[Enter numeric value]

### QUESTIONS FOR WOMEN

<Skip to SXH.15.0 if respondent is male>

SXH.9.0. Do you think of yourself as...

1. Heterosexual or straight (attracted to men)
2. Homosexual or lesbian (attracted to women)
3. Bisexual (attracted to men and women)
4. Something else
5. Not sure

### **Sexual habits with men**

The following questions ask about your sexual history with men.

SXH.10.0. Have you ever had vaginal sex, also called sexual intercourse, with a man? This means a man's penis in your vagina.

0. No <Skip to SXH.11.0>

1. Yes

SXH.10.1. How old were you when you first had vaginal sex with a man? Enter age in years.

[Enter numeric value]

SXH.10.2. How many different men have you had vaginal sex with in your life?

[Enter numeric value]

SXH.11.0. Have you ever performed oral sex on a man? This means putting your mouth or tongue on a man's penis or genitals)

0. No <Skip to SXH.12.0>

1. Yes

SXH.11.1. How old were you when you first performed oral sex on a man? Enter age in years.

[Enter numeric value]

SXH.11.2. How many different men have you performed oral sex on in your life?

[Enter numeric value]

SXH.12.0. Have you ever had anal sex with a man? This means a man's penis into your anus or butt.

0. No <Skip to SXH.13.0>

1. Yes

SXH.12.1. How old were you when you first had anal sex with a man? Enter age in years.

[Enter numeric value]

SXH.12.2. How many different men have you had anal sex with in your life?

[Enter numeric value]

SXH.13.0. <Ask if SXH.10.0=1 or SXH.11.0=1 or SXH.12.0=1; otherwise skip to SXH.14.0>

In your lifetime, with how many men have you had any kind of sex?

[Enter numeric value]

SXH.13.1. Have you ever had any kind of sex with a woman?

0. No <Skip to SXH.15.0>

1. Yes

### **Sexual habits with women**

The following questions ask about your sexual history with women.

SXH.14.0. Have you ever performed oral sex on a woman? This means putting your mouth or tongue on a woman's vagina or genitals.

0. No <Skip to SXH.15.0>
1. Yes

SXH.14.1. How old were you when you first performed oral sex on a woman? Enter age in years.

[Enter numeric value]

SXH.14.2. How many different women have you performed oral sex on in your life?

[Enter numeric value]

### **QUESTIONS FOR BOTH MEN AND WOMEN**

SXH.15.0. Has a doctor or other health care professional ever told you that you had a sexually transmitted infection?

0. No <Skip to SXH.16.0>
1. Yes

SXH.15.1. What sexually transmitted infection(s) has a doctor or health care professional ever told you that you had? Please select all that apply:

[Display options 1-11 for all respondents:]

01. Genital herpes
02. Gonorrhea (also called GC or clap)
03. Chlamydia
04. Genital warts
05. HIV (Human Immunodeficiency Virus)/AIDS
06. Hepatitis A
07. Hepatitis B
08. Hepatitis C
09. LGV (Lymphogranuloma venereum)
10. Syphilis
11. Trichomoniasis

[Display options 12-13 for women only:]

12. Bacterial Vaginosis

13. Pelvic Inflammatory Disease (PID)

[Display options 14-15 for all respondents:]

14. Other

15. Don't know

SXH.16.0. Has a doctor or other health care professional ever told you that you had human papillomavirus or HPV?

0. No

1. Yes

2. Don't know/unsure

## **Cancer History Section**<sup>6</sup>

### **Respondent Previous Cancer History**

The following questions ask about your cancer history.

FCH.1.0. Have you ever been diagnosed with cancer?

0. No
1. Yes
2. Don't know / Unsure

<If respondent is male and FCH.1.0=1, ask FCH.1.1. If respondent is male and FCH.1.0=0 or 2, skip to FCH.2.0>

<Skip to FCH.1.2 if respondent is female>

FCH.1.1. Have you ever been diagnosed with cancer of the penis or anus?

0. No
1. Yes
2. Don't know / Unsure

<If respondent is male, skip to FCH.2.0>

FCH.1.2. Have you ever been diagnosed with having a pre-cancerous cervical lesion?

0. No
1. Yes
2. Don't know / Unsure

<If FCH.1.0=1 and respondent if female, ask FCH.1.3. If FCH.1.0=0 or 2, skip to FCH.2.0>

FCH.1.3. Have you ever been diagnosed with cancer of the cervix, vagina, vulvar, or anus?

0. No
1. Yes
2. Don't know / Unsure

### **Family Cancer History**

The following questions ask about your family's cancer history. The questions apply only to your blood relatives. Please do not include relatives by marriage or adoption.

FCH.2.0. Has either your mother, father, brothers or sisters (who have the same parents as you), grandmother, grandfather, or sons or daughters ever been diagnosed with a head or

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<sup>6</sup> Questions derived from James Cancer Center Family HealthLink (<https://familyhealthlink.osumc.edu>) (see also: Sweet KM, et al. J Clin Oncol 2002;20:528-537). BRASS v2.0.

neck cancer? Head or neck cancer is cancer of the mouth, tongue, throat, or voice box (larynx).

[Help box: Please include only blood relatives

0. No
1. Yes
2. Don't know / Unsure

**<End of section>**

## **Oral Health Section**

The next questions will ask about some factors related to oral health.

ORL.1.0.           Have your tonsils been removed?

0. No
1. Yes
2. Don't know/unsure

**<End of section>**

## **Acceptability Questionnaire**

Thank you for agreeing to be in this research study. This study will help dentists understand how oral HPV infection is affected by other behaviors linked to mouth and throat cancer. For example, tobacco smoking and alcohol drinking are linked to development of mouth and throat cancer.

This set of statements will address your thoughts and feelings about questions that were asked on the iPad questionnaire for this research study. There are no wrong answers and no one from your dentist's office will see the answers.

1. I was comfortable being asked about my tobacco use as part of this research study.
  - a) Strongly disagree
  - b) Disagree
  - c) Neutral
  - d) Agree
  - e) Strongly agree
  
2. I was comfortable being asked about my alcohol use as part of this research study.
  - a) Strongly disagree
  - b) Disagree
  - c) Neutral
  - d) Agree
  - e) Strongly agree
  
3. I was comfortable being asked about my marijuana use as part of this research study.
  - a) Strongly disagree
  - b) Disagree
  - c) Neutral
  - d) Agree
  - e) Strongly agree
  
4. I was comfortable being asked about my sexual behavior as part of this research study.
  - a) Strongly disagree
  - b) Disagree
  - c) Neutral
  - d) Agree
  - e) Strongly agree
  
5. I was comfortable being asked about my history of cancer as part of this research study.
  - a) Strongly disagree
  - b) Disagree
  - c) Neutral
  - d) Agree

e) Strongly agree