

# Cognitive Testing of AHS – Round 1 Protocol

## Cognitive Interview Protocol Guide

---

PARTICIPANT ID #: \_\_\_\_\_

DATE: \_\_\_ / \_\_\_ / 2018

COGNITIVE INTERVIEWER NAME: \_\_\_\_\_

START TIME: \_\_\_\_: \_\_\_\_ AM / PM

### SECTION I. INTRODUCTION

(COGNITIVE INTERVIEWER: READ/PARAPHRASE)

- A. Hello, I'm [NAME OF COGNITIVE INTERVIEWER]. I work for the Census Bureau. Thanks for agreeing to help me today.

Let me begin by telling you a little more about what we'll be doing today. The United States Census Bureau counts the population in the U.S and also conducts various kinds of surveys.

Today, with your help, we will be testing some new questions that were developed for a national survey called the American Housing Survey. I will first ask you some survey questions and you'll answer the questions just like you would if you were doing it with an interviewer in a regular survey. We are interested in how you understand these questions and how these questions work for you.

Our goal here is to get a better idea how well the new questions work with people such as yourself before we actually use them in the survey. So the purpose of our session today is to collect your thoughts and opinions on these new questions and materials. I just want to remind you that I'm only asking for your thoughts and opinions on these materials. There is no right or wrong answer. We are simply trying to make sure the question wording is clear and easy for most people to understand. Your feedback will be very useful for helping make sure these questions will make sense to other people.

Your participation in this interview and the review of the materials is very important because it will help the Census Bureau with improving these questions.

Do you have any questions before we begin?"

[Wait for questions, then turn page]

(COGNITIVE INTERVIEWER: READ)

PLACE THE CONSENT FORM IN FRONT OF PARTICIPANT

**Before we start, I would like you to read over the document in front of you. This document explains a little bit about this interview and provides information about your rights as a participant. It also asks for your permission to have this session audio recorded.**

**[IF OBSERVER PRESENT]: I also want to let you know that this interview is being observed by [DESCRIBE OBSERVER'S ROLE: e.g., someone who works on the American Housing Survey]. They are observing the interview because they are also interested in how the questions work for people like you.**

**Please ask me any questions you have about this document. Once you have finished reading the document, please sign it.**

- PARTICIPANT READS AND SIGNS FORM

**B. IF PARTICIPANT PROVIDES CONSENT TO HAVE THE SESSION AUDIO-TAPED: I will now turn on the audio recorder.**

TEST AUDIO RECORDER AND TURN IT ON AGAIN AFTER TEST

## SECTION II. INTERVIEW CONSENT

## SECTION III. COGNITIVE INTERVIEW

**READ:** For the upcoming questions, I am interested in your answers, but I am also interested in the process you go through in your mind when you answer the questions. So I'd like you to think aloud as you answer the questions, just tell me everything you are thinking about as you go about answering each question. From time to time, I'll ask you some questions about your answers, or about the questions themselves.

### THINK-ALOUD PRACTICE

Let's begin with a practice question. Remember to try to think aloud as you answer.

**Practice Question 1.** How many windows are there in the house or apartment where you live? WINDOWS \_\_\_\_\_

**[IF NEEDED:]** Try to visualize the place where you live, and think about how many windows there are in that place. As you count up the windows, tell me what you are seeing and thinking about.

#### PROBES:

- How did you come up with that answer?
- Tell me more about that. Why did you say [ANSWER]?
- I noticed that you hesitated. Tell me what you were thinking.

Okay, let's get started. Please answer the questions as you would if an interviewer had come to your home. I will now begin with the first set of questions in the survey.

NOTE TO COGNITIVE INTERVIEWER: START INTERVIEW. NOTE ANY PROBLEMS /COMMENTS /QUESTIONS /PUZZLED LOOKS/EXASPERATED SIGHS RESPONDENT HAS DURING THE INTERVIEW. WHEN NECESSARY, PROBE ON THESE AFTER THE RESPONDENT ANSWERS THE QUESTION.

## Front Module

### PHINTRO

We would like to collect some additional contact information in case we need to continue the interview later or follow up on missing information.

#### 1. BCKAREA/BCKNUM/BCKEXT

What is the telephone number where you would like to be called?

Phone: (    )

Ext:

DK

RF

**2. BCKHO**

**Is this a mobile or cell, home, office, or other type of number?**

-Current Number: ^PHONEFILL ^ext.

- 1.  Mobile or Cell Phone
- 2.  Home
- 3.  Office
- 4.  Other – Specify: \_\_\_\_\_
- DK
- RF

**3a. EMAIL1**

**Do you also have an email address that we could use to contact you?**

- 1.  Yes
  - 2.  No
  - DK
  - RF
- } Skip to Q4. TELCELL

**3b. EMAIL2**

**What is your email address?**

\_\_\_\_\_

**4. TELCELL**

**How many adults (age 18 and over) in this household have a cell phone for personal use?**

\_\_\_\_\_

- DK
- RF

**5. TELAND**

**Is there [also] a land-line telephone in this household? Do not count cell phones, or any phone line that is used only for a computer or fax machine.**

- 1.  Yes
- 2.  No
- DK
- RF

**6. PREFCON**

**If we need to contact you, what is your preferred method of contact?**

*Mark all that apply.*

- 1.  Personal visit
- 2.  Telephone call
- 3.  Text message
- 4.  Email
- DK
- REF

**[Retrospective Probing 1:**

**Now I'd like to ask you some questions about some of the questions I just asked you about.**

**(Q2. BCKHO) Earlier you were asked "Is this a mobile or cell, home, office, or other type of number?" You answered [READ ANSWER]. Is this your usual phone type? What does a "home" phone mean to you in this question? How about "mobile or cell phone?"**

**(Q5. TELAND) Earlier you were asked "Is there [also] a land-line telephone in this household? Do not count cell phones, or any phone line that is used only for a computer or fax machine." What does the phrase "land-line" mean to you in this question? Is this the same as or different from a "home" phone?**

**(Q6. PREFCON) Earlier you were asked "If we need to contact you, what is your preferred method of contact?" You said [READ ANSWER]. What other methods of contact might some people prefer?**

## Housing Unit & Demographics Modules

7. NAME **Now I will ask you some questions about the people who live here.  
What are the names of all persons living or staying here? Start with yourself.**

8. AGE **What is [your/NAME's] age?**

9. REL **IF NOT RESPONDENT: How is [NAME] related to you?**

- |  |                        |
|--|------------------------|
| 1. Spouse  | 7. Foster Child        |
| 2. Unmarried Partner   | 8. Housemate/Roommate  |
| 3. Child   | 9. Roomer/Boarder      |
| 4. Grandchild  | 10. Other Non-relative |
| 5. Parent  | 11. Dk                 |
| 6. Other relative (Aunt, Cousin,<br>Nephew, Mother-in-law, etc.) | 12. Ref                |

Ask Q7. NAME, Q8. AGE, and Q9. REL for 1<sup>st</sup> HH member (respondent). Then ask for next HH member. Repeat for every member of HH.

Once completed, proceed to Q10. TENURE.

10. TENURE **Is your home...**  
(Read categories until "yes" reply is received)

- **Owned?**
- **Rented?**
- **Occupied without payment of rent?**

11. OWNER **In whose name or names is this home [fill with answer to TENURE]?**  
(Place an asterisk (\*) next to owners'/renters' name on Household Roster)

12. HTYPE **Is this unit a house, an apartment, a manufactured/mobile home, or some other type of residence?**

- House
- Apartment
- Manufactured/mobile home - skip to Q14. WHENYR/MON
- Other residence

13. STYPE **Are your living quarters in a...**  
(Read categories until "yes" reply is received)

- **1 unit building, detached from any other building?**
- **1 unit building, attached to one or more buildings?**

- 3. • **Building with two or more apartments?**
- 4. • **Manufactured/Mobile Home?**

14. WHENYR/MON

**When did you move to this [house / apartment / manufactured/mobile home / unit]?**

*If lived there since birth, ask for birth month and year.*

\_\_\_\_\_ Month      \_\_\_\_\_ Year

## Inventory Module

### INV\_INTRO

The next questions are about your home.

Refer to Q13. STYPE (page 6) to determine the next question:

- If Q13. STYPE = 1 or 2, then **proceed to Q15. CELAR1Q.**
- If Q13. STYPE = 3, then **skip to Q17. STORIES.**
- If Q13. STYPE = 4, then **skip to Q18. FLOORSQ (page 9).**

#### 15. CELAR1Q

Is this house built-

Read categories until a "yes" reply is received

1.  **With a basement?** – Proceed to Q16 CELAR2Q
  2.  **With a crawl space?**
  3.  **On a concrete slab?**
  4.  **In some other way?** (Specify): \_\_\_\_\_
- DK  
 Ref

Skip to instructions below Q16. CELAR2Q

#### 16. CELAR2Q

And, is that basement under ALL the house, or is it under PART of the house?

("HOUSE" refers to living space only, i.e. basement doesn't need to be under garage/carport to count as "all")

1.  All
  2.  Part
- DK  
 Ref

Refer to Q13. STYPE (page 6) to determine the next question:

- If Q13. STYPE = 1, 2, or 4 then **skip to Q18. FLOORSQ (page 9).**
- If Q13. STYPE = 3, then **proceed to Q17. STORIES.**

#### 17. STORIES

How many stories are in this ENTIRE building?

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

What does "stories" mean to you in this question? Is there another way you might phrase this survey question?



## 18. FLOORSQ

How many floors are in [this/that] [house / apartment / manufactured/mobile home / unit] ["including the basement and any finished attics" (if Q15. CELAR1Q='Yes') / "including finished attics" if house where Q15. CELAR1Q ne "Yes")]?"

-If split level, count greatest number of floors on top of each other.

---

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

What does "floors" mean to you in this question? Is there another way you might phrase this survey question?

Refer to Q13. STYPE (page 6) to determine the next question:

- If Q13. STYPE = 1, 2, or 4 then skip to INTROROOMS.
- If Q13. STYPE = 3, then proceed to Q19. E\_FLOORS.

## 19. E\_FLOORS

To confirm, there are [VALUE from Q18. FLOORSQ] floors in your unit and [VALUE from Q17. STORIES] in the whole building?

1.  Yes

2.  No

DK

Ref

Probes:

How easy or difficult was this to answer?

Tell me more about that.

## INTROROOMS

The next few questions are about the number and kinds of rooms in your [house / apartment / manufactured/mobile home / unit].

## 20. BEDRMS

["Thinking about all of the different floors," (if structure is not a multi-unit building and has at least 2 floors)] How many bedrooms are there in your [house/ apartment / manufactured/ mobile home / unit]?

---

DK

Ref

## 21. BATHS

**A full bathroom is one that has a sink with running water, a toilet, and either a bathtub or shower. How many full bathrooms are there in your home?** [Include bathrooms in finished attics or finished basements.]

- 
- DK  
 Ref

## 22. HALFB

**A half-bathroom is one that has either a toilet or a bathtub or a shower. How many half bathrooms are there in your home?** [Include bathrooms in finished attics or finished basements.]

- 
- DK  
 Ref

## 23. KITCH

**How many kitchens?**

- 
- DK  
 Ref

## 24. DINING

**How many SEPARATE dining rooms?** (A separate dining room is one that's separated from other rooms by archways or walls extending at least six inches.)

- 
- DK  
 Ref

## 25. LIVING

**How many living rooms?**

- 
- DK  
 Ref

If there are no bedrooms (Q20. BEDRMS=0) and no kitchens (Q23. KITCH=0) and no more than one living room (Q25. LIVING=0 or 1), then [proceed to Q26. STUDIO](#).

Otherwise, [skip to Equipment Module \(page 11\)](#).

## 26. STUDIO

**Is this a one room efficiency or studio apartment?**

- Yes
  - No
- DK  
 RF

## Equipment Module

### EQPINTRO

Turning now to questions about appliances and other household equipment.

#### 27. COOKQ

Does your [house / apartment / manufactured/mobile home / unit] have some type of cooking stove, or a range with an oven--one that is in working order?

1.  Yes – Skip to Q30. CFUELQ
2.  No
- DK
- RF

#### 28. BURNERQ

Does your [house / apartment / manufactured/mobile home / unit] have any built-in cooking burners that are in working order?

1.  Yes – Skip to Q30. CFUELQ
2.  No
- DK
- RF

#### 29. OVENQ

Does your [house / apartment / manufactured/mobile home / unit] have a microwave oven that is in working order?

1.  Yes – Proceed to Q30. CFUELQ
  2.  No
  - DK
  - RF
- } Skip to Q31. HOTPIPP

#### Q30. CFUELQ

What type of fuel or power is used MOST for cooking--electricity, gas or something else?

If "something else," ask "What is used?"

1.  Electricity
2.  Gas, LP Gas (liquid propane (LP) same as bottled gas)
3.  Other
4.  No fuel used
- DK
- REF

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

#### Q31. HOTPIPP

Is there both hot and cold water anywhere in your home?

1.  Yes
  2.  No
  - DK
- } Skip to Q33. HFUELA

RF

**Q32. WFUELQ**

**What type of fuel or power is used MOST to heat the water?**

1.  Electricity
  2.  Gas, LP Gas (liquid propane (LP) same as bottled gas)
  3.  Fuel Oil
  4.  Solar energy
  5.  Other – Specify: \_\_\_\_\_
- DK  
 REF

**Probes:**

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

**33. HFUELA**

**What type of fuel or power is used MOST for heating your [house / apartment / manufactured/mobile home / unit]?**

1.  Electricity
  2.  Gas, LP Gas (liquid propane (LP) same as bottled gas)
  3.  Fuel oil
  4.  Kerosene or other liquid fuel
  5.  Coal or coke
  6.  Wood
  7.  Solar energy
  8.  Other; specify \_\_\_\_\_
  9.  None
- DK  
 Ref

**Probes:**

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

If no type of fuel or power is used most (Q33. HFUELA = "None"), then proceed to Q34. HFUELB.

Otherwise, skip to Breakdown Module (page 13).

**34. HFUELB**

**Is that because you do not HAVE any heating equipment or is that because you are not USING your heating equipment?**

◆ Enter 1 if does not have any heating equipment. Include equipment that is broken and WILL NOT be fixed.

◆ Enter 2 if not using heating equipment. Include equipment that is TEMPORARILY broken but WILL BE fixed.

1.  Do not have any heating equipment

- 2.  Not using heating equipment
- DK
- Ref

## Breakdown Module

### BRKDNINTRO

The next series of questions are about problems that some people have experienced with their homes. We are interested in knowing if you have experienced these types of problems too.

If respondent has no full bathrooms (Q21. BATHS = 0) and no half bathrooms (Q22. HALFB = 0), skip to Q37. EVROD.

Otherwise, proceed to Q35. IFTLT.

### 35. IFTLT

Was there any time [within the past 3 months/since you've lived here/since your household has lived here], that is since [current date - 3 mos/MOVDATE], when [ALL of your toilets were/your toilet was] BROKEN, or STOPPED UP, or otherwise NOT WORKING, so you COULDN'T USE [ANY of them/it]?

- 1.  Yes
  - 2.  No
  - DK
  - Ref
- } Skip to Q37. EVROD

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

(If "Yes") When [was/were] the [toilet/toilets] not useable?

(If "No") Have you ever had this problem, outside the past 3 months?

### 36. NUMTLT

How many times since [current date – minus 3 mos / MOVDATE] [was/were] the [toilet/toilets] not working for SIX HOURS or MORE?

- 
- DK
  - Ref

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

### 37. EVROD

[Since you've lived here/Since your household has lived here/In the last 12 months], that is since [current date - 365 days/MOVDATE], have you ever seen signs of mice or rats INSIDE your [house/apartment/manufactured/mobile home/living quarters] [building/" " ]?

- 1.  Yes
  - 2.  No
  - DK
  - Ref
- } Skip to Q39. EROACH

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

What does the phrase "signs of mice or rats" mean to you in this question?

### 38. RATFREQ

How often have you seen any signs of mice or rats **INSIDE** your home since [current date - 365 days/MOVDATE]?

Would you say it was daily, weekly, monthly, or a few times?

1.  Daily
  2.  Weekly
  3.  Monthly
  4.  A few times
- DK  
 Ref

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

Are there any phrases that could be used other than "signs of mice or rats" in this question?

### 39. EROACH

[Since you've lived here/Since your household has lived here/In the last 12 months), that is since [current date - 365 days/MOVDATE], have you ever seen signs of cockroaches **INSIDE** your [house/apartment/manufactured/mobile home/living quarters] [building/" ""]?

1.  Yes
  2.  No
- DK  
 Ref
- Skip to instructions beneath Q40. ROACHFRQ

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

What does the phrase "signs of cockroaches" mean to you in this question?

### 40. ROACHFRQ

How often have you seen any signs of cockroaches **INSIDE** your home since [current date - 365 days/MOVDATE]?

Would you say it was daily, weekly, monthly, or a few times?

1.  Daily
  2.  Weekly
  3.  Monthly
  4.  A few times
- DK  
 Ref

Probes:

How easy or difficult was this to answer?

How did you come up with your answer? Tell me more about that.

Are there any phrases that could be used other than "signs of cockroaches" in this question?

If home is owned (Q10. TENURE = 1), [proceed to Home Improvement Module \(page 15\)](#).

Otherwise, [skip to Demographics Supplement, Post-Secondary Education Series \(page 18\)](#).

## Home Improvement Module

### HINTRO2

The next series of questions deal with only home remodeling and major improvements and replacements in the last two years. **DO NOT** include routine minor work such as painting or fixing a broken water pipe. Also **DO NOT** include work such as decorating or landscaping.

#### 41. BTHKIT

In the last two years, did you remodel any kitchens or bathrooms?

By remodeling, we mean **SUBSTANTIAL** changes to the room like replacing the bathtub or retiling the shower or floor. Do not count jobs that were just painting, papering, or simple replacement of a toilet or sink.

1.  Yes

2.  No

DK

Ref

[Skip to instructions below Q42. BKROOM](#)

#### 42. BKROOM

Which rooms?

◇ [Mark all that apply.](#)

1. Bathroom(s)

2. Kitchen

Refer to Q13. STYPE (page 6) to determine the next question:

- If Q13. STYPE = 1, 2, or 4 then [proceed to Q43. BULTOUT1](#).
- If Q13. STYPE = 3, then [skip to HINTRO4 \(page 16\)](#).

#### 43. BULTOUT1

In the last two years, was anything built onto the outside of your home, such as an attached garage or carport?

1.  Yes

2.  No

DK

Ref

#### 44. BULTOUT2

In the last two years, was anything else built onto the outside of your home, such as a porch, deck, patio, or terrace?

1.  Yes

2.  No

- DK
- Ref

#### **HINTRO4**

**Next are questions about OTHER work you may have done to your home in the last two years. We are only interested in jobs that were MAJOR alterations or improvements, such as rewiring, a new roof, new windows or doors. Do NOT include minor repairs or other routine maintenance. Also, do not include work already reported because we don't want to count jobs twice.**

#### **Q45. DOORWIN**

**Have you added or replaced any of the following:  
doors or windows?**

- 1.  Yes
- 2.  No
- DK
- Ref

#### **Q46. PLUMFXT**

**(Have you added or replaced any of the following:  
plumbing fixtures, such as sinks or bathtubs?)**

- 1.  Yes
- 2.  No
- DK
- Ref

#### **Q47. WIRING**

**(Have you added or replaced any of the following:  
electrical wiring, fuse boxes, breaker panels or built-in lighting?)**

- 1.  Yes
- 2.  No
- DK
- Ref

#### **Q48. FLRWLLS**

**In the last two years, have you installed any wall-to-wall carpeting, flooring such as hardwood, tile, marble, or vinyl, or any paneling, ceiling tiles, or drywall?**

- 1.  Yes
- 2.  No
- DK
- Ref



Refer to Q13. STYPE (page 6) to determine the next question:

- If Q13. STYPE = 1, 2, or 4 then [proceed to Q49. DRIVEWY \(page 17\)](#).
- If Q13. STYPE = 3, and any prior questions in this module were answered “Yes,” then [skip to Q52. HMRACCESS \(page 17\)](#).
- If Q13. STYPE = 3, and no prior questions in this module were answered “Yes,” then [skip to Demographics Supplement, Post-Secondary Education Series \(page 18\)](#).

#### Q49. DRIVEWY

Now, about work done to your LOT or YARD, in the last two years, have you added or replaced driveways or walkways?

1.  Yes
  2.  No
- DK  
 Ref

#### Q50. MISSOUT

Did we miss any other MAJOR remodeling, improvement or replacement jobs done to your LOT or YARD in the last two years?

1.  Yes
  2.  No
- DK  
 Ref
- [Skip to instructions below Q51. MISOUTA](#)

#### Q51. MISOUTA

What was the job?

If any prior questions in this module were answered “Yes,” [proceed to Q52. HMRACCESS](#).

If no prior questions in this module were answered “Yes,” [skip to Demographics Supplement, Post-Secondary Education Series \(page 18\)](#).

#### Q52. HMRACCESS

Did you do any of these home improvements to make your home more accessible for people with physical limitations, such as people using a wheelchair or a walker?

1.  Yes
  2.  No
- DK  
 Ref

Probes:

(If “Yes”) Which home improvement(s)? Can you tell me more about that?

(All respondents) What does the phrase “physical limitations” mean to you in this question?

(All respondents) What does the phrase “home improvements” mean to you in this question?

#### Q53. HMRENEFF

Did you do any of these home improvements to improve energy efficiency?

- 1.  Yes
- 2.  No
- DK
- Ref

**Q54. HMRSALE**

Did you do any of these home improvements to get your house ready for sale?

- 1.  Yes
- 2.  No
- DK
- Ref

**Demographics Supplement, Post-Secondary Education Series**

**PSEINTRO**

The next questions are about education for people in your home.

Refer to HOUSEHOLD ROSTER to determine the following questions.

If household has any member(s) age 16-19, then **proceed to Q55. ENROLLH.**

If household has no members age 16-19, **skip to Q57. ENROLLC.**

**55. ENROLLH**

Earlier I recorded [READ NAMES/AGES OF MEMBERS AGE 16-19]. In March of this year, [were you/was NAME/were either of [you/them]/were any of [you/them]] attending high school?

- 1.  Yes
  - 2.  No
  - DK
  - Ref
- } **Skip to Q57. ENROLLC**

**56. HSTUDENT**

Who was in high school?

(Indicate which members age 16-19 from household roster)

Probe: **Anyone else?**

**57. ENROLLC**

In March of this year, was anyone in this household attending college or some other type of school beyond high school, such as vocational, technical, trade, or business school?

- 1.  Yes
  - 2.  No
  - DK
  - Ref
- } **Skip to Q59. EDUCA (page 18)**

**58. PSCSTUDENT**

Who was in college or some other type of school beyond high school?

Probe: **Anyone else?**

### 59. EDUCA

What is the highest level of school [you have/NAME has] completed or the highest degree [you have/he has/she has] received?

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Less than 1st grade  | 10. <input type="checkbox"/> Some college but no degree  |
| 2. <input type="checkbox"/> 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , or 4 <sup>th</sup> grade | 11. <input type="checkbox"/> Diploma or certificate from a vocational, technical, trade, or business school beyond the High School level |
| 3. <input type="checkbox"/> 5 <sup>th</sup> or 6 <sup>th</sup> grade                                       | 12. <input type="checkbox"/> Associate degree – Occupational/vocational program  |
| 4. <input type="checkbox"/> 7 <sup>th</sup> or 8 <sup>th</sup> grade                                       | 13. <input type="checkbox"/> Associate degree – Academic program   |
| 5. <input type="checkbox"/> 9 <sup>th</sup> grade  | 14. <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)  |
| 6. <input type="checkbox"/> 10 <sup>th</sup> grade   | 15. <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)   |
| 7. <input type="checkbox"/> 11 <sup>th</sup> grade   | 16. <input type="checkbox"/> Professional School degree (e.g., MD, DDS, DVM, LLB, JD)  |
| 8. <input type="checkbox"/> 12 <sup>th</sup> grade, no diploma   | 17. <input type="checkbox"/> Doctorate degree (e.g., PhD, EdD)   |
| 9. <input type="checkbox"/> HIGH SCHOOL  |  |

GRADUATE – High school DIPLOMA or equivalent (e.g., GED)

DK

Ref

If household has any members attending college or some other type of school beyond high school (Q57. ENROLLC = "Yes"), then proceed to Q60. PSCATTEND. Ask the set of questions for each household member named in Q58. PSCSTUDENT.

Otherwise, skip to Retrospective Probing 2 (page 21).

### 60. PSCATTEND

In March of this year, [were you/was NAME] attending college or school full-time or part-time?

- Full time
  - Part-time
- DK  
 REF

### 61. PSCPUBPV

Is the college or school Public or Private?

- Public
  - Private
- DK  
 Ref

**62. PSCLIVE**

**[Were/Was] [you/NAME] living at this [home/apartment/unit] in March of this year while [you/they] were attending college or school?**

- 1.  Yes – Skip to Q64. PSCSTILL (page 19)
- 2.  No – Proceed to Q63. PSCDORM (page 19)
- DK } Skip to Q64. PSCSTILL (page 19)
- Ref }

**63. PSCDORM**

**[Were/Was] [you/NAME] living in housing owned by the university, such as a dorm, in March of this year?**

- 1.  Yes
- 2.  No
- DK
- Ref

**64. PSCSTILL**

**[Are you/Is NAME] still enrolled in college or school or will [you/NAME] be in the next few months?**

- 1.  Yes
- 2.  No } Skip to Q66. PSCCOMP
- DK }
- Ref }

**65. PSCDEGREE**

**What type of degree or certificate [are you/Is NAME] working towards?**

- 1.  Vocational, technical, trade or business certificate or credential (Less than 2 years)
- 2.  Associate's degree (2-year community or technical college)
- 3.  Bachelor's degree (For example: BA, AB, BS)
- 4.  Master's degree (For example: MA, MS, MBA)
- 5.  Professional School degree (For example: MD, DDS, JD)
- 6.  Doctorate degree (For example: PhD, EdD)
- 7.  Non-Degree program
- DK
- Ref

If household member is still enrolled in college or school or will be in the next 6 months (Q64. PSCSTILL = 'Yes'), skip Q66. PSCCOMP.

**66. PSCCOMP**

**Did [you/NAME] complete the program?**

- 1.  Yes
- 2.  No

- DK
- Ref

Repeat Q60-Q66 for all household members attending college or some type of school beyond high school. Once this is completed, [proceed to Retrospective Probing 2 \(page 21\)](#).

### **[Retrospective Probing 2:**

**Now I'd like to ask you about some of the questions you just answered.**

(Q57. ENROLLC) **Earlier you were asked “In March of this year, was anyone in this household attending college or some other type of school beyond high school, such as vocational, technical, trade, or business school?” Did you find this easy or difficult to answer? What does the phrase “vocational, technical, trade, or business school” mean to you in this question? Are there differences between these types of schools?**

(If Q60.PSCATTEND asked) **Earlier you were asked “In March of this year, [were you/was NAME] attending college or school full-time or part-time?” Did you find this easy or difficult to answer? How did you come up with your answer? What does the phrase “full-time” mean to you in this question? How about “part-time?”**

(If Q61. PSCPUBPV asked) **Earlier you were asked “Is the college or school Public or Private?” You answered [PUBLIC/PRIVATE] for [READ NAMES]. Can you tell me more about that? What does “public” mean to you in this question? How about “private?”**

(If Q63. PSCDORM asked) **Earlier you were asked “[Were/Was] [you/NAME] living in housing owned by the university, such as a dorm, in March of this year?” What does “housing owned by the university” mean to you in this question? What does “dorm” mean to you in this question?**

(If Q64. PSCSTILL asked) **Earlier you were asked “[Are you/Is NAME] still enrolled in college or school or will [you/NAME] be in the next few months?” Did you find this easy or difficult to answer? How did you come up with your answer? Can you tell me more about that?**

(If Q65. PSCDEGREE asked) **Earlier you were asked “What type of degree or certificate [are you/is NAME] working towards?” You answered [REPEAT ANSWERS FOR EACH PERSON FROM Q65. P11]. What other types of degrees or certificates might people be working towards?**

## Home Accessibility Module

### HAINTRO

The next questions are about accessibility for everyone in your household.

#### 67. HAEQUIP

[Do you/Does anyone in the household] use any of the following equipment because of a long-term condition? Exclude temporary injuries.

(Read all categories; mark all that apply)

1.  Manually Operated Wheelchair
  2.  Motorized Wheelchair, Cart, or Scooter
  3.  Chairlift, stairlift or platform lift
  4.  Crutches
  5.  Cane or Walker
  6.  Something Else
  7.  None
- DK  
 Ref

#### 68. HADIFFENT

Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty entering the home or property because of a condition other than a temporary injury?

1.  Yes
  2.  No
- DK  
 Ref

#### 69. HAGETROOM

Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty getting to any of the following rooms:

Kitchen?

1.  Yes
  2.  No
- DK

Ref

**Bathroom?**

1.  Yes

2.  No

DK

Ref

**Bedroom?**

1.  Yes

2.  No

DK

Ref

**70. HAKITDIFF**

Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty using the kitchen? Consider such activities as reaching and opening kitchen cabinets or the refrigerator, turning the stove on and off, reaching and using kitchen counters or the sink.

1.  Yes

2.  No

DK

Ref

**71. HABTHDIFF**

Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty using the bathroom? Consider such activities as reaching and using the sink, turning sink or tub or shower faucets on or off, getting into or out of the bathtub or shower.

1.  Yes

2.  No

DK

Ref

**72. HABDDIFF**

Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty using a bedroom? Consider such activities as getting dressed, getting in or out of bed.

1.  Yes

2.  No

DK

Ref

If equipment is used by anyone in the household due to a long-term condition (Q67. HAEQUIP = 1-6), proceed to Q73. HASUPP.

If no equipment is used and home has more than one floor (Q18. FLOORSQ > 1), skip to Q74. HABDADD (page 24).

Otherwise, skip to instructions after Q77. HABTHADD2 (page 25).

### 73. HASUPP

On a scale of 1 to 5 (where 1=Not at all, 5=Very well):

How well do you think your current home layout and features support the accessibility needs of [you/anyone in your household]?

- DK  
 Ref

If home has more than one floor (Q18. FLOORSQ > 1), proceed to Q74. HABDADD (page 24).

Otherwise, skip to instructions after Q77. HABTHADD2 (page 25).

### 74. HABDADD

Does [your/the] home currently have a bedroom on the entry level, that is accessible without going up or down steps or stairs?

1.  Yes – Skip to Q76. HABTHADD  
2.  No  
 DK  
 Ref } See instructions below

If Q74. HABDADD = “No” and home is owned (Q10. TENURE = 1), proceed to Q75. HABDADD2.

Otherwise, skip to Q76. HABTHADD.

### 75. HABDADD2

Do you plan to add this feature to your home in the next 2 years?

1.  Yes  
2.  No  
 DK  
 Ref

### 76. HABTHADD

Does [your/the] home currently have a full bathroom on the entry level, that is accessible without going up or down steps or stairs?

} See instructions below this question



1.  Yes – Skip to instructions after Q77. HABTHADD2 (page 25)
2.  No
- DK
- Ref

If Q76. HABTHADD = “No” and home is owned (Q10. TENURE = 1), proceed to Q77. HABTHADD2.

Otherwise, skip to Retrospective Probing 3 (page 25).

### 77. HABTHADD2

**Do you plan to add this feature to your home in the next 2 years?**

1.  Yes
2.  No
- DK
- Ref

If home is owned (Q10. TENURE = 1) and respondent plans to add bedroom or full bathroom to entry level in next 2 years (Q75. HABDADD2 = “Yes” or Q77. HABTHADD2 = “Yes”), then skip to Retrospective Probing 3.

If home is owned (Q10. TENURE = 1) otherwise, proceed to Q78. HAFUTURE.

If home is not owned (Q10. TENURE ne 1), skip to Retrospective Probing 3.

### 78. HAFUTURE

**In the next 2 years, do you plan to do any home improvement projects to make your home more accessible for people with physical limitations, such as people using a wheelchair or a walker?**

1.  Yes
2.  No
- DK
- Ref

#### [Retrospective Probing 3:

Now I'd like to ask you about some of the questions you just answered.

(Q67. HAEQUIP) Earlier you were asked “[Do you/Does anyone in the household] use any of the following equipment because of a long-term condition? Exclude temporary injuries.” Did you find this easy or difficult to answer? How did you come up with your answer? What does the phrase “long-term condition” mean to you in this question? How about “temporary injuries?”

(Q68-Q72) Earlier you were asked several questions about difficulty from [you/anyone in your household 6 years of age and older] entering the home or property, getting to

rooms in the home, and using rooms in the home “without assistance from another person.” What does the phrase “without assistance from another person” mean to you in these questions?

(Q68. HADIFFENT) Earlier you were asked “Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty entering the home or property because of a condition other than a temporary injury?” What does the phrase “have difficulty entering” mean to you in this question? You answered [“Yes”/“No”]. Can you tell me more about that?

(Q69. HAGETROOM) Earlier you were asked “Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty getting to any of the following rooms: Kitchen? Bathroom? Bedroom?” (If living in a studio) Did you find each of these easy or difficult to answer? (All respondents) You answered [“Yes”/“No”] to [INSERT KITCHEN/BATHROOM/BEDROOM]. Can you tell me more about that? What does the phrase “have difficulty getting to” mean to you in this question?

(Q70. HAKITDIFF) Earlier you were asked “Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty using the kitchen? Consider such activities as reaching and opening kitchen cabinets or the refrigerator, turning the stove on and off, reaching and using kitchen counters or the sink.” (If living in a studio) Did you find this easy or difficult to answer? (All respondents) How did you come up with your answer? Besides these activities, are there other activities in the kitchen for which some people in your household or others might have difficulty?

(Q71. HABTHDIFF) Earlier you were asked “Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty using the bathroom? Consider such activities as reaching and using the sink, turning sink or tub or shower faucets on or off, getting into or out of the bathtub or shower.” How did you come up with your answer? Besides these, are there other activities in the bathroom for which some people in your household or others might have difficulty?

(Q72. HABDDIFF) Earlier you were asked “Without assistance from another person, [do you/does anyone in the household 6 years of age and older] have difficulty using a bedroom? Consider such activities as getting dressed, getting in or out of bed.” (If living in a studio) Did you find this easy or difficult to answer? (All respondents) How did you come up with your answer? Besides these activities, are there other activities in the bedroom for which some people in your household or others might have difficulty?

(If Q73. HASUPP asked) Earlier you were asked “On a scale of 1 to 5 (where 1=Not at all, 5=Very well): How well do you think your current home layout and features support the accessibility needs of [you/anyone in your household]?” You answered [INSERT NUMBER]. How did you come up with your answer? What does the phrase “accessibility needs” mean to you in this question?

(If Q74. HABDADD asked) Earlier you were asked “Does [your/the] home currently have a bedroom on the entry level, that is accessible without going up or down steps or stairs?”

You answered ["Yes/No"]. Did you find this easy or difficult to answer? How did you come up with your answer? What does the phrase "entry level" mean to you in this question? What other words or phrases would you use for this?

(If Q76. HABTHADD asked) Earlier you were asked "Does [your/the] home currently have a full bathroom on the entry level, that is accessible without going up or down steps or stairs?" You answered ["Yes/No"]. Did you find this easy or difficult to answer? How did you come up with your answer? (If Q74. HABDADD not asked) What does the phrase "entry level" mean to you in this question? What other words or phrases would you use for this?

(If Q78. HAFUTURE asked) Earlier you were asked "In the next 2 years, do you plan to do any home improvement projects to make your home more accessible for people with physical limitations, such as people using a wheelchair or a walker?" You answered ["Yes"/"No"] to this question. Can you tell me more about that? What does the phrase "physical limitations" mean to you in this question?

## SECTION IV. DEBRIEFING QUESTIONS

*AFTER THE INTERVIEW:*

*Now, I am going to ask you some questions about your answers and about the questions themselves. I am really interested in how these questions work for you, so there are no right or wrong answers.*

- **Overall, what did you think of this interview? [If needed: Was it easy or difficult? Can you tell me why it was easy or difficult?]**
- **Have you ever answered survey questions about your housing (inventory, equipment, breakdowns, or home improvements) in the past? If yes, what was the survey? What was the experience like for you?**
- **Have you ever answered survey questions about post-secondary education, in the past? If yes, what was the survey? What was the experience like for you?**
- **Have you ever answered survey questions about home accessibility, in the past? If yes, what was the survey? What was the experience like for you?**

**JUST A FEW FINAL QUESTIONS TO WRAP UP -**

- Overall, do you think some people might find these questions sensitive?
- Do you have anything else you would like to tell us that you haven't had a chance to mention yet?

**I want to thank you very much for your participation. I will now give you \$40 and I will ask you to sign a receipt form verifying that you received the money.**

**TURN OFF THE TAPE RECORDER. HAND THE CASH INCENTIVE TO THE PARTICIPANT.**

**Household Roster - Protocol 1**

<b>Line #</b>	<b>NAME</b>	<b>AGE</b>	<b>REL</b>
1			
2			
3			
4			
5			
6			
7			

8			
9			
10			
11			
12			
13			
14			
15			