

**Cognitive Testing of AHS – Round 1 Protocol 1
Cognitive Interview Protocol Guide**

PARTICIPANT ID #: _____

DATE: ___ / ___ / 2016

COGNITIVE INTERVIEWER NAME: _____

START TIME: ____: ____ AM / PM

SECTION I. INTERVIEW CONSENT

(COGNITIVE INTERVIEWER: READ)

PLACE THE CONSENT FORM IN FRONT OF PARTICIPANT

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

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. 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. COGNITIVE INTERVIEW

A. Introduction

(COGNITIVE INTERVIEWER: READ/PARAPHRASE)

“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]

Okay, let's get started. Please answer the questions as you would if an interviewer had come to your home.

1. 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.**

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

3. 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, Nephew, Mother-in-law, etc.) | 12. Ref |

4. EDUCA **What is the highest level of school [you/NAME] [have/has] completed or the highest degree [you/they] have received?**

1. 12th grade or less, no high school diploma - *Specify grade _____*
2. High school graduate - High school diploma or equivalent (For example: GED)
3. Some college but no degree
4. Diploma or certificate from a vocational, technical, trade or business school beyond the High School level
5. College degree (Associate, Bachelors, Master's, Professional, or Doctorate)

5. **ENROLL** **Last week, [were/was] [you/NAME] enrolled in a high school, college, or university?**

1. Yes
2. No

Probes:
Tell me more about that.

Ask Q1. NAME, Q2. AGE, Q3. REL, and Q4. EDUCA for 1st HH member. Ask Q5. **ENROLL** for 1st HH member only if between age 16-54. Record information on Household Roster. Then ask for next HH member. Repeat for every member of HH.

Once completed, proceed to Q6. TENURE.

6. TENURE

Is your home...

(Read categories until "yes" reply is received)

1. • **Owned?**
2. • **Rented?**
3. • **Occupied without payment of rent?**

7. 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)*

8. HTYPE

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

1. • House
2. • Apartment
3. • Manufactured/mobile home – skip to Q10. WHENYR/MON
4. • Other residence

9. STYPE

Are your living quarters in a...

(Read categories until "yes" reply is received)

1. • **1 unit building, detached from any other building?**
2. • **1 unit building, attached to one or more buildings?**
3. • **Building with two or more apartments?**
4. • **Manufactured/Mobile Home?**

10. 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

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.

Inventory Module

INV_INTRO

The next questions are about your home.

11. CONDO1

Is this [house / apartment / manufactured/mobile home / unit] part of a condominium?

1. Yes – Skip to Q13. HOMEASC
2. No
- DK
- Ref – Skip to Q13. HOMEASC

12. CONDO2

Is this [house / apartment / manufactured/mobile home / unit] part of a cooperative?

1. Yes
2. No
- DK
- Ref

13. HOMEASC

Is this [house / apartment / manufactured/mobile home / unit] [**“also” if unit part of condominium or cooperative**] part of a homeowner association?

1. Yes
2. No
- DK
- Ref

Refer to Q9. STYPE (page 4) to determine the next question:

- If Q9. STYPE = 1 or 2, then [proceed to Q14. CELAR1Q](#) (page 6).
- If Q9. STYPE = 3, then [skip to Q16. STORIES](#) (page 6).
- If Q9. STYPE = 4, then [skip to Q18. SOLAR](#) (page 7).

14. CELAR1Q

Is this house built-

Read categories until a "yes" reply is received

- 1. **With a basement?**
- 2. **With a crawl space?**
- 3. **On a concrete slab?**
- 4. **In some other way?** (Specify): _____
- DK
- Ref

} Skip to Q17. FLOORSQ

15. 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

} Skip to Q17. FLOORSQ

16. STORIES

How many stories are in this multifamily building?

_____ - Skip to Q18. SOLAR (page 7)

Probes:

How easy or difficult was this to answer?

Tell me more about that.

What does "stories" mean to you in this question?

17. FLOORSQ

How many floors are in this unit?

Probes:

How easy or difficult was this to answer?

Tell me more about that.

Equipment Module

18. SOLAR

Does this [house / apartment / manufactured/mobile home / unit] have solar panels?

1. Yes
2. No
- DK
- Ref

Probes:

How easy or difficult was this to answer?

Tell me more about that.

19. HFUELA

What fuel is used MOST for heating your [house / apartment / manufactured/mobile home / unit]?

1. Electricity – Skip to Q20. HCENTA (page 8)
 2. Gas, LP Gas (liquid propane (LP) same as bottled gas) – Skip to Q19c. GASPI2 (page 8)
 3. Fuel oil
 4. Kerosene or other liquid fuel
 5. Coal or coke
 6. Wood
 7. Solar energy
 8. Other; specify _____
- (“Boiler” is not a type of fuel, it is a type of heating equipment)
- None
- DK } Skip to Q20. HCENTA (page 8)
- Ref }
- } Skip to Q20. HCENTA (page 8)

19a. 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 – Skip to Q27. FPLWKQ (page 10)
 2. Not using heating equipment
- DK } Skip to Q27. FPLWKQ (page 10)
- Ref }

19b. HFUELC

If you were to use your heating equipment, what type of fuel would it use?

- 1. Electricity – Skip to Q20. HCENTA
 - 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: _____ – Skip to Q33. MONOX (page 12)
 - DK
 - Ref
- } Skip to Q20. HCENTA

19c. GASPI2

Is it from underground pipes or bottled gas?

- 1. Piped gas
- 2. Bottled gas
- DK
- Ref

20. HCENTA

Sometimes people have more than one type of heating equipment in their home. Turning first to questions about your MAIN heating equipment: Is your heating equipment designed to send heat to all or most of the rooms?

- 1. Yes
- 2. No – Skip to Q23. HPORTA (page 9)
- DK
- Ref – Skip to Q23. HPORTA (page 9)

21. HCENTB

Does it send heat to the rooms by...?

- 1. Forced warm air through ducts and vents
 - 2. Steam or hot water through radiators or pipes
 - 3. Electric coils inside the floors, ceilings, or walls
 - 4. Some other way
 - DK
 - Ref
- } Skip to Q27. FPLWKQ (page 10)
- } Skip to Q23. HPORTA (page 9)

22. HCENTC

And is that equipment a standard electric FURNACE or is it a HEAT PUMP?

- 1. Standard Electric Furnace
 - 2. Heat Pump
 - DK
 - Ref
- } Skip to Q27. FPLWKQ (page 10)

23. HPORTA

Is the main heating equipment PORTABLE so that it can be moved and used in another room, or is it NOT portable?

If "Don't Know", probe for description and decide best category.

- 1. Portable
 - 2. Not Portable – Skip to Q25. HPORTC
 - DK
 - Ref
- } Skip to Q26. HPORTD (page 10)

24. HPORTB

What type of portable equipment is it?

After entering answer, read category to respondent to verify classification.

- 1. Unvented room heaters
 - 2. Portable electric heaters
 - 3. Other; specify: _____
 - DK
 - Ref
- } Skip to Q27. FPLWKQ (page 10)

25. HPORTC

What type of equipment is it?

After entering answer, read category to respondent to verify classification.

- 1. Floor, wall or other pipeless furnace built into the structure
 - 2. Built-in electric baseboard heaters
 - 3. Vented room heaters burning kerosene, gas or oil
 - 4. Unvented room heaters burning kerosene, gas or oil
 - 5. Cooking stove (gas or electric)
 - 6. Woodburning stove, pot belly stove, Franklin stove, or pellet stove
 - 7. Fireplaces with inserts
 - 8. Fireplaces without inserts
 - 9. Other
 - DK
 - Ref
- } Skip to Q27. FPLWKQ (page 10)
- } Skip to Q29. SHTEQP1 (page 10)
- } Skip to Q27. FPLWKQ (page 10)

26. HPORTD

Specify other main heating equipment type not reported until now. After entering answer, read category to respondent to verify classification.

- 1. Forced warm air furnace with ducts and vents to the individual rooms
- 2. Electric heat pump
- 3. Steam or hot water system with radiators or other system using steam or hot water
- 4. Electric coils in floors, ceilings or walls
- 5. Unvented room heaters burning kerosene, gas or oil
- 6. Portable electric heaters
- 7. Other; specify: _____
- DK
- Ref

27. FPLWKQ

Does your [house / apartment / manufactured/mobile home / unit] have a usable fireplace?

- 1. Yes
 - 2. No
 - DK
 - Ref
- } Skip to Q29. SHTEQP1

28. FPHEQP

Do you consider the fireplace to be heating equipment?

If more than 1 fireplace, enter "Yes" if any considered heating equipment.

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

29. SHTEQP1

Earlier you reported [equipment from HPORTB, HPORTC, or HPORTD] [**“and”**] [**“a fireplace” if Yes to Q28**] as heating source(s). Do you use any other sources to heat your home?

- 1. Yes
 - 2. No
 - DK
 - Ref
- } Skip to Q33. MONOX (page 12)

30. SHTEQP1_1

What do you use?

Mark all that apply. If more than one source reported, ask:

Of those sources you just mentioned, what do you use first? (Circle response)

- 1. Electric or gas cookstove
- 2. Built-in electric unit(s)
- 3. Forced warm air furnace with ducts and vents to the individual rooms
- 4. Electric heat pump
- 5. Gas oven with the door open
- 6. Floor, wall or other pipeless furnace built into the structure
- 7. Portable electric heater(s)
- 8. Steam/hot water system with radiators or other system using steam/hot water
- 9. Woodburning, pot belly, Franklin stove(s), or pellet stoves
- 10. Room heater(s) vented to the outside through a chimney, flue, or pipes
- 11. Unvented room heater(s)
- 12. Outdoor wood fired boiler
- 13. Something else
- DK
- Ref

Probes:

How easy or difficult was this to answer?

Tell me more about that.

31. SHTEQP2

You reported [answer(s) from Q30] as additional heating source(s). Do you use any other sources to heat your home?

- 1. Yes
 - 2. No
 - DK
 - Ref
- } Skip to Q33. MONOX (page 12)

32. SHTEQP2_1

What do you use?

Mark all that apply.

1. Electric or gas cookstove
 2. Built-in electric unit(s)
 3. Forced warm air furnace with ducts and vents to the individual rooms
 4. Electric heat pump
 5. Gas oven with the door open
 6. Floor, wall or other pipeless furnace built into the structure
 7. Portable electric heater(s)
 8. Steam/hot water system with radiators or other system using steam/hot water
 9. Woodburning, pot belly, Franklin stove(s), or pellet stoves
 10. Room heater(s) vented to the outside through a chimney, flue, or pipes
 11. Unvented room heater(s)
 12. Outdoor wood fired boiler
 13. Something else
- DK
 Ref

Probes:

How easy or difficult was this to answer?

Tell me more about that.

33. MONOX

Do you have a working carbon monoxide detector inside your [house / apartment / manufactured/mobile home / unit]?

1. Yes
 2. No
- DK
 Ref

Probes:

How easy or difficult was this to answer?

Tell me more about that.

Refer to Q6. TENURE (page 3) to determine the following questions.

If respondent is an owner, proceed to MORTINTRO (page 13).

If respondent is not an owner, skip to instructions before RMOVINTRO (top of page 18).

Mortgage Module

MORTINTRO

The next questions are about mortgages and other loans that are secured by the property.

Please refer to your mortgage loan statement or any additional records that you may have regarding the mortgages on the property.

34. NUMMORTG

How many mortgages or loans of any type do you have on this property? Include all regular mortgages, home equity credit lines, or any loan that is secured by the value of this [house / apartment / manufactured/mobile home / living quarters].

◆ Enter 0 for Reverse Annuity Mortgages or Home Equity Conversion Mortgages

-
- DK
 - Ref

Refer to previous question and Screener to determine the following questions.

If respondent answers with 1 or more for Q34. NUMMORTG, and reported an Adjustable Rate Mortgage (ARM) on the Screener, then proceed to Q35. MGTYPE.

If respondent answers with zero to Q34. NUMMORTG, or did not report an Adjustable Rate Mortgage (ARM) on the Screener, then skip to instructions before RMOVINTRO (top of page 18).

35. MGTYPE

I'm going to ask you a series of questions about your mortgage. For these questions I'd like you to think about your mortgage or loan that has an adjustable rate. If you refinanced, answer regarding the new mortgage. If not, then answer regarding your original mortgage.

Thinking about your current mortgage, what type of mortgage is the mortgage or loan?

1. Regular Mortgage? For example: fixed rate loans, adjustable rate loans, ARM, or any loan where a fixed amount was borrowed and must be repaid at predetermined intervals? – [Skip to Q37. REFI \(page 14\)](#)
 2. Home Equity Loan?
 - DK
 - Ref
- } [Skip to Q37. REFI \(page 14\)](#)

36. HELUMC

Is this mortgage or loan a home equity lump sum loan that is a loan of a set amount all of which you received at once or a home equity line of credit that is an arrangement where you may withdraw funds at any time up to a set limit?

1. Home Equity Lump Sum Loan? – Skip to RULEINTRO
 2. Home Equity Line of Credit? – Skip to instructions before RMOVINTRO (top of page 18)
- DK } Skip to RULEINTRO
 Ref }

37. REFI

Did this mortgage refinance a previous mortgage?

1. Yes
2. No
- DK
- Ref

RULEINTRO

Now we have a series of questions about how your mortgage works. Previously we asked you to look at your mortgage statement and answer questions about what it includes. Now we want to know the terms and conditions that are used to calculate these payments. The terms may not be on your mortgage statement. We are asking you to remember how your lender described your mortgage when you signed your mortgage documents.

Refer to Q35. MGTYPE (page 13) to determine the following questions.

If the respondent answered MGTYPE = 2, then skip to Q43. BANK (page 16).

If the respondent answered MGTYPE = 1, DK, Ref, then proceed to Q38. MORTIN.

38. MORTIN

Is the mortgage or loan an FHA, VA, Rural Housing Service/Rural Development mortgage, or none of these?

1. FHA
2. VA
3. Rural Housing Service/Rural Development
4. None of these
- DK
- Ref

39. SUBMOR

There are State and local government programs that provide low cost mortgages.

Did you get the mortgage or loan through a State or local government program that provides low cost mortgages?

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

Refer to Q35. MGTYPE (page 13), Q36. HELUMC (page 14), Q38. MORTIN (page 14), and Q39. SUBMOR to determine the following questions.

If the respondent answered any of the options for Q39. SUBMOR, and Q35. MGTYPE = 1, DK, Ref, then skip to Q42. NEWMOR (page 16).

If the respondent answered any of the options for Q39. SUBMOR, and Q35. MGTYPE = 2 and Q36. HELUMC = 1, DK, Ref and Q38. MORTIN = 3, then skip to Q42. NEWMOR (page 16).

If the respondent answered any of the options for Q39. SUBMOR but their responses to the other questions do not meet either of the two conditions above, then proceed to Q40. VARY.

40. VARY

Are the payments on this mortgage or loan the same during the whole length of the mortgage or loan?

- 1. Yes – Skip to Q42. NEWMOR (page 16)
- 2. No
- DK } Skip to Q42. NEWMOR (page 16)
- Ref }

41. HOWVARY

Why do the payments in the mortgage or loan change?

- 1. You can choose your payment amount known as a "payment option" mortgage?
- 2. You are paying only interest on the loan now, but will have to start paying down the loan balance later, known as an "interest only" mortgage?
- 3. There will be a large payment due at the end of the loan term, known as a "balloon" mortgage?
- 4. Your payments vary according to a set schedule that does not depend on changes in interest rates, known as a "graduated payment" mortgage? –Skip to Q43. BANK (pg 16)
- 5. Your interest rate can change with market rates, known as an "adjustable rate" mortgage or ARM?
- 6. The payments you make for taxes and/or insurance change?
- 7. Other, specify

-
- DK
 - Ref

42. NEWMOR

With regard to the mortgage, did you get a new mortgage or did you assume someone else's mortgage?

- 1. New
- 2. Assumed
- 3. Wrap around
- DK
- Ref

43. BANK

Did you borrow money from a bank or other organization such as a mortgage company, mortgage broker, or credit union for the mortgage or loan?

Other organizations can consist of mortgage corporations, pension plans, credit unions, savings and loans, etc.

- 1. Yes
- 2. No – Skip to Q45. SELL
- DK } Skip to instructions before RMOVINTRO (top of page 18)
- Ref }

44. DOC

Were you able to get this mortgage or loan without the lender verifying your income, assets, and debts?

- 1. Yes
- 2. No
- DK } Skip to instructions before RMOVINTRO (top of page 18)
- Ref }

45. SELL

For the mortgage or loan did you borrow money from the former owner of the home?

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

Refer to Q41. HOWVARY (page 15) to determine the following questions.

If the respondent answered Q41. HOWVARY = 5, then proceed to Q46. HYBARM (page 17).

Otherwise, skip to instructions before RMOVINTRO (top of page 18).

46. HYBARM

You said the interest rate for your mortgage or loan can change. Was it ever fixed for more than one year?

- 1. Yes
 - 2. No
 - DK
 - Ref
- } Skip to instructions before RMOVINTRO (top of page 18)

47. HYBARMYR

For how many years did the interest rate for your mortgage or loan remain fixed? If the rate is currently fixed, for how many years will it remain fixed?

- 1. 1 year
- 2. 2 years
- 3. 3 years
- 4. 5 years
- 5. 7 years
- 6. 10 years
- 7. Other _____
- DK
- Ref

Probes:

How easy or difficult was this to answer?

What does the phrase "remain fixed" mean to you in this question?

Tell me more about your interest rate. What is the current interest rate?

How many years is the total loan?

How many years of that is fixed?

How many years of that was fixed?

Is it currently fixed?

Refer to Q10. WHENYR/MON (page 4) to determine the following questions.

If respondent moved to their current home within the past two years, proceed to Recent Movers Module below.

If respondent did not move to their current home within the past two years, skip to THINK ALOUD exercise (top of page 20).

Recent Movers Module

RMOVINTRO

Now we are going to ask about where you lived before moving here.

48. MOVFORCE2

People choose to move for a variety of reasons, either voluntary or non-voluntary. Were you forced to move by a landlord, a bank or other financial institution, or the government?

1. Yes – skip to THINK ALOUD exercise (top of page 20)
2. No
- DK
- Ref

Probe:

(If yes) Tell me more about that.

(Any answer) What does the phrase “forced to move” mean to you in this question?

49. MOVDISAS

Were you forced to move because of a natural disaster or fire?

1. Yes
2. No
- DK
- Ref

Probe:

(If yes) Tell me more about that.

(Any answer) What does the phrase “forced to move” mean to you in this question?

50. WMJOB

Did you choose to move for a new job or job transfer?

1. Yes
2. No
- DK
- Ref

51. WMHOME

(Did you choose to move) to upgrade to a larger home or a better quality home?

1. Yes
2. No

- DK
- Ref

52. WMHOOD

(Did you choose to move) to be in a more desirable neighborhood?

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

53. WMOTHER

(Did you choose to move) for some other reason?

- 1. Yes – **What was the reason?** *Specify:* _____
- 2. No
- DK
- Ref

READ: For the remaining 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.

A. 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.

Commuting Module

CMTINTRO

The next questions are about commuting and how people get to work, how long it takes, and any associated costs.

54. COMDAYS

How many days do you leave your home to go to work in a typical week?

1. 0 – Skip to EDPINTRO (page 26)
 2. 1
 3. 2
 4. 3
 5. 4
 6. 5
 7. 6
 8. 7
- DK
 Ref

55. DRIVESELF

On a typical workday, do you drive from home ALL the way to work?

1. Yes
 2. No
- DK
 Ref
- } Skip to Q57. DRIVEOTH (page 21)

56. DRIVEOWN

Do you drive your own personal vehicle or a company vehicle that you take home for personal use?

1. Personal vehicle – Skip to Q58. CARPOOL
 2. Company/take-home vehicle – Skip to EDPINTRO (page 26)
- DK
 Ref

57. DRIVEOTH

Do you drive your own vehicle for a portion of your commute?

1. Yes
 2. No
- DK
 Ref

58. CARPOOL

Do you carpool to work?

1. Yes
 2. No
- DK
 Ref

If Q58. CARPOOL = Yes, then proceed to Q59. POOLNUM

Refer to Q55. DRIVESELF (page 20) and Q57. DRIVEOTH for the following questions:

If respondent answers with Q58. CARPOOL = “No”, “Dk”, or “Ref”; and “Yes” to either Q55. DRIVESELF or Q57. DRIVEOTH, then skip to Q61. DIST (page 22).

If respondent answers with Q58. CARPOOL = “No”, “Dk”, or “Ref”; and Q57. DRIVEOTH = “No”, then skip to Q66. PUBTRANS (page 23).

59. POOLNUM

How many people are typically in your carpool?

◆ Enter 1 - 98, DK, Ref

-
- DK
 Ref

Refer to **Q55. DRIVESSELF** (page 20) for the following questions:

If respondent answers with **Q55. DRIVESSELF** = "Yes", then skip to **Q61. DIST**.

If respondent answers with **Q55. DRIVESSELF** = "No", then proceed to **Q60. POOLFEE**.

60. POOLFEE

What is your typical weekly carpool fee?

◆ Enter 1 - 998, Dk, Ref

-
- DK
 Ref

Refer to **Q57. DRIVEOTH** (page 21) for the following questions:

If respondent answers with **Q57. DRIVEOTH** = "Yes", then proceed to **Q61. DIST**.

If respondent answers with **Q57. DRIVEOTH** = "No", then skip to **Q66. PUBTRANS** (page 23).

61. DIST

Approximately, how many miles per day, round trip, do you drive for your commute?

◆ Enter 1 - 998, Dk, Ref

-
- DK
 Ref

62. PARKCOST

During your commute, do you pay for parking?

1. Yes
2. No
 DK
 Ref
- } Skip to **Q64. TOLLCOST**

63. PARKAMT

How much do you spend on parking in a typical week?

◆ Enter 1 - 998, Dk, Ref

-
- DK
 Ref

64. TOLLCOST

During your commute, do you pay a toll to use a road?

1. Yes
2. No
 DK

Ref

If **Q64. TOLLCOST** = Yes, then proceed to **Q65. TOLLAMT**

Refer to **Q55. DRIVESSELF** (page 20) for the following questions:

If respondent answers with **Q55. DRIVESSELF** = “Yes”, then skip to **EDPINTRO** (page 26).

If respondent answers with **Q55. DRIVESSELF** = “No”, then skip to **Q66. PUBTRANS**.

65. TOLLAMT

How much per day?

◆ Enter 1 - 998, Dk, Ref

DK

Ref

Refer to **Q55. DRIVESSELF** (page 20) for the following questions:

If respondent answers with **Q55. DRIVESSELF** = “Yes”, then skip to **EDPINTRO** (page 26).

If respondent answers with **Q55. DRIVESSELF** = “No”, then proceed to **Q66. PUBTRANS**.

66. PUBTRANS

Do you use any of the following as part of your commute?

Read bold categories. Mark all that apply.

1. **Public Bus**

2. **Subway, commuter rail, light rail, or trolley car**

3. **Commuter van or commuter bus**

4. None

DK

Ref

} Skip to **Q70. TAXI** (page 24)

67. SUBSIDY1

Does your employer provide you a subsidy for your public transportation costs?

1. Yes

2. No

DK

Ref

} Skip to **Q69. TRANSITCOST1** (page 24)

68. SUBSIDY2

Does that subsidy typically cover all your public transportation costs for commuting?

1. Yes – Skip to **Q70. TAXI** (page 24)

2. No

- DK
- Ref

69. TRANSITCOST1

Thinking only about commuting costs, how much do you spend out-of-pocket each day on your public transportation cost?

◆ Enter 1 - 998, Dk, Ref

-
- DK
 - Ref

70. TAXI

Do you use a Taxi, cab, or car service, such as Uber as part of your commute?

- 1. Yes
 - 2. No
 - DK
 - Ref
- } Skip to Q72. FERRY

71. TAXIFEE

What is your daily taxi or car service expense?

◆ Enter 1 - 998, Dk, Ref

-
- DK
 - Ref

72. FERRY

Do you use a ferry as part of your commute?

- 1. Yes
 - 2. No
 - DK
 - Ref
- } Skip to Q74. WALK

73. FERRYFEE

What is your daily ferry expense?

◆ Enter 1 - 998, Dk, Ref

-
- DK
 - Ref

74. WALK

Do you walk from home to work?

- 1. Yes – Skip to EDPINTRO (page 26)
- 2. No
- DK
- Ref

75. BIKE

Do you bike from home to work?

1. Yes
2. No
- DK
- Ref

[Retrospective Probing:

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

(Q54. COMDAYS) **Earlier you were asked "How many days do you leave your home to go to work in a typical week?" What does the phrase "in a typical week" mean to you in this question? Did you find this easy or difficult to answer?**

(Q55.DRIVESELF) **Earlier you were asked "On a typical workday, do you drive from home ALL the way to work?" What does the phrase "on a typical workday" mean to you in this question? Did you find this easy or difficult to answer?**

(If Q62. PARKCOST asked) **Earlier you were asked "During your commute, do you pay for parking?" What does "during your commute" mean to you in this question?**

(If Q63. PARKAMT asked) **Earlier you were asked "How much do you spend on parking in a typical week?" What does "in a typical week" mean to you in this question?**

(If "Yes" to Q67. SUBSIDY1) **Earlier you were asked "Does your employer provide you a subsidy for your public transportation costs?" Can you tell me more about this? How much is this? How often is it provided? What does the phrase "subsidy" mean to you in this question?**

(If "Yes" to Q69. TRANSITCOST1) **Earlier you were asked "Thinking only about commuting costs, how much do you spend out-of-pocket each day on your public transportation cost?" What does the phrase "out-of-pocket" mean to you in this question? (If applicable:) Did you include any amount that was part of your subsidy? (All:) How did you come up with an amount "each day," or did you answer in some other terms? Did you find this easy or difficult to answer?**

(If Q71. TAXIFEE asked) **Earlier you were asked "What is your daily taxi or car service expense?" What does the phrase "expense" mean to you in this question?**

(If Q73. FERRYFEE asked) **Earlier you were asked "What is your daily ferry expense?" What does the phrase "expense" mean to you in this question?]**

Emergency and Disaster Planning Module

EDPINTRO

The next series of questions are to determine your preparedness for emergency situations, such as a fire or terrorist hazard, or large-scale disaster situations, such as a flood or earthquake.

76. MAJDIS

In the last two years, has there been a MAJOR disaster, such as a fire, earthquake, or tornado that required you or a landlord to make extensive repairs to your home?

1. Yes

2. No

DK

Ref

} Skip to Q78. SHELTR (page 27) if applicable, otherwise skip to Q79. INFO (page 27)

77. RTYDIS

What happened?

1. Drought

2. Earthquake

3. Extreme heat

4. Flood

5. Home fire

6. Hurricane

7. Landslide

8. Tornado

9. Wildfire

10. Winter storm

11. Extended power outage

DK

Ref

Refer to Q14. CELAR1Q (page 5), Q8. HTYPE and Q9. STYPE (page 4), and Q16. STORIES and Q17. FLOORSQ (page 6) to determine the following questions.

If respondent does not have a basement, has a single family home, or has a multifamily home with 3 stories or less, proceed to Q78. SHELTR (page 27).

If respondent meets none of the above, skip to Q79. INFO (page 27).

78. SHELTR

Some homes are built with a tornado safe room or shelter. Does this [house / apartment / manufactured/mobile home / unit] have a room or shelter designed to withstand a tornado?

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

79. INFO

In the event of a sudden natural disaster, where is the first place you would look to find information about what to do?

- 1. Family, friends, neighbors
- 2. Radio
- 3. Television
- 4. Internet/Facebook/Twitter
- 5. Other
- DK
- Ref

Refer to Q6. TENURE (page 4) and Q34. NUMMORTG (page 13) to determine the following questions.

If respondent is an owner with at least one mortgage, proceed to **Q80. FLOODINS1**.

If respondent is an owner with no mortgage, skip to **Q81. FLOODINS2** (page 28).

If respondent is not an owner, skip to **Q83. GENERT** (page 28).

80. FLOODINS1

Were you required to purchase flood insurance when you obtained your mortgage?

- 1. Yes – Skip to Q82. FLOODREAS (page 28)
 - 2. No
 - DK
 - Ref
- } Skip to Q83. GENERT (page 28)

81. FLOODINS2

Homeowners insurance policies do not cover flood damages caused by excessive rain. A homeowner who desires this coverage must purchase a separate policy.

Do you have flood insurance?

- 1. Yes
 - 2. No
 - DK
 - Ref
- } Skip to Q83. GENERT

82. FLOODREAS

Which of the following was the reason for the purchase:

- 1. It was required for home purchase or refinancing.
- 2. It was required because my residence is in a flood hazard area.
- 3. It was required for other reasons.
- 4. I decided to buy it after a neighbor bought it.
- 5. I decided to buy it for other reasons.
- DK
- Ref

83. GENERT

[Do you / Does your household] have a generator to provide electricity in case there is a power outage?

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

84. DRFOOD

[Do you / Does your household] have available non-perishable food to feed [yourself / each member] for at least 3 days?

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

85. EMWATER

[Do you / Does your household] have available at least 3 gallons or 24 bottles of water ["per person" if household has more than one person]?

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

Refer to HOUSEHOLD ROSTER to determine the following questions.

If household has more than one person, proceed to **Q86. ALTCOM2**.

If household has only one person, skip to **Q88. EVKIT2**.

86. ALTCOM2

Do the members of your household have a plan for communicating with each other in the event that cell phone service is disrupted?

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

87. EVSEP

In some disasters, household members will need to evacuate separately. Does your household have an agreed-upon meeting point if that should happen?

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

88. EVKIT2

[Do you / Does your household] have necessary emergency supplies readily available to take with you if you have to evacuate your home?

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

89. EVINFO

[Would you / Would your household] have access to your vital financial information and contact numbers if you suddenly had to evacuate your home?

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

EVINTRO

For the following questions, think about what would happen if ["you" / "your household] had to evacuate from your town or city to a safe place at least 50 miles away.

90. EVFIN2

(If [you / your household] had to evacuate from your town or city to a safe place at least 50 miles away,) do you have readily accessible financial resources, in terms of cash savings or available credit card balances, to meet expenses of up to \$2,000?

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

91. EVPETSV

Pets are also a concern during an emergency. Do you/does your household have any pets?

- 1. Yes
- 2. No – skip to Q93. EVVEHIC2
- DK – skip to Q93. EVVEHIC2
- Ref – skip to Q93. EVVEHIC2

92. EVPETS

(If [you / your household] had to evacuate from your town or city to a safe place at least 50 miles away,) would you need assistance evacuating or sheltering your pets?

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

93. EVVEHIC2

(If [you / your household] had to evacuate from your town or city to a safe place at least 50 miles away,) do you have access to reliable vehicles to carry all of your household members, ["pets," if household has pets] and a small amount of supplies such as clothes and food?

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

94. EVLOC2

If [you / your household] had to evacuate from your town or city to a safe place at least 50 miles away for at least two weeks, where would you most likely stay during those two weeks?

- 1. With relatives or friends
- 2. In a public shelter
- 3. In a room in a hotel or motel
- 4. In a travel trailer or RV
- 5. Somewhere else; specify: _____
- DK
- Ref

[Retrospective Probing:

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

(If Q78. SHELTR asked) Earlier you were asked "Some homes are built with a tornado safe room or shelter. Does this [house / apartment / manufactured/mobile home / unit] have a room or shelter designed to withstand a tornado?" What does the phrase "tornado or safe room" mean to you in this question?

(Q79. INFO) Earlier you were asked "In the event of a sudden natural disaster, where is the first place you would look to find information about what to do?" What does the phrase "sudden natural disaster" mean to you in this question?

(If "Yes" to Q86. ALTCOM2) Earlier you were asked "Do the members of your household have a plan for communicating with each other in the event that cell phone service is disrupted?" Can you tell me more about that plan?

(If "Yes" to Q87. EVSEP) Earlier you were asked "In some disasters, household members will need to evacuate separately. Does your household have an agreed-upon meeting point if that should happen?" Can you tell me more about that meeting point?

(Q88. EVKIT2) Earlier you were asked "[Do you / Does your household] have necessary emergency supplies readily available to take with you if you have to evacuate your home?" What does the phrase "necessary emergency supplies" mean to you in this question? What does the phrase "readily available" mean to you in this question?

(If "Yes" to Q89. EVINFO) Earlier you were asked "[Would you / Would your household] have access to your vital financial information and contact numbers if you suddenly had to evacuate your home?" Can you tell me how you access those? What does "vital" mean to you in this question?

(Q90. EVFIN2) Earlier you were asked "If [you / your household] had to evacuate from your town or city to a safe place at least 50 miles away, do you have readily accessible financial resources, in terms of cash savings or available credit card balances, to meet expenses of up to \$2,000?" Can you tell me more about that?

(If Q92. EVPETS asked) Earlier you were asked "If [you / your household] had to evacuate from your town or city to a safe place at least 50 miles away, would you need assistance evacuating or sheltering your pets?" Can you tell me why you answered the way you did?]

95. RECORDS

Did you gather any records- for example, utility bills, income statements, and mortgage statements- in preparation for this survey?

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

[Note to interviewer: Note any responses given that do not fit the yes, no, DK, refuse scale, or if respondents think they need to respond regarding each example.]

[Probes: In your own words, what is this question asking?

What does the word “gather” mean to you in this question?

How easy or difficult would it be for you to get these materials before taking a survey like this?]

SECTION III. 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? Was it easy or difficult?
- Have you ever answered survey questions about your housing (inventory, equipment, mortgages, recent moving, or emergency and disaster planning) in the past? If yes, what was the survey? What was the experience like for you?
- Have you ever answered survey questions about commuting, 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

Line #	1. NAME	2. AGE	3. REL	4. EDUCA	5. ENROLL
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					