



U.S. Department of Health and Human Services  
Assistant Secretary for Planning and Evaluation  
Office of Disability, Aging and Long-Term Care Policy



# **DEVELOPMENT OF AN ASSISTIVE TECHNOLOGY AND ENVIRONMENTAL ASSESSMENT INSTRUMENT FOR NATIONAL SURVEYS: FINAL REPORT**

## **PART II. PILOT STUDY RESULTS FOR RECOMMENDED ITEMS**

December 2005

## **Office of the Assistant Secretary for Planning and Evaluation**

The Office of the Assistant Secretary for Planning and Evaluation (ASPE) is the principal advisor to the Secretary of the Department of Health and Human Services (HHS) on policy development issues, and is responsible for major activities in the areas of legislative and budget development, strategic planning, policy research and evaluation, and economic analysis.

ASPE develops or reviews issues from the viewpoint of the Secretary, providing a perspective that is broader in scope than the specific focus of the various operating agencies. ASPE also works closely with the HHS operating divisions. It assists these agencies in developing policies, and planning policy research, evaluation and data collection within broad HHS and administration initiatives. ASPE often serves a coordinating role for crosscutting policy and administrative activities.

ASPE plans and conducts evaluations and research--both in-house and through support of projects by external researchers--of current and proposed programs and topics of particular interest to the Secretary, the Administration and the Congress.

## **Office of Disability, Aging and Long-Term Care Policy**

The Office of Disability, Aging and Long-Term Care Policy (DALTCP), within ASPE, is responsible for the development, coordination, analysis, research and evaluation of HHS policies and programs which support the independence, health and long-term care of persons with disabilities--children, working aging adults, and older persons. DALTCP is also responsible for policy coordination and research to promote the economic and social well-being of the elderly.

In particular, DALTCP addresses policies concerning: nursing home and community-based services, informal caregiving, the integration of acute and long-term care, Medicare post-acute services and home care, managed care for people with disabilities, long-term rehabilitation services, children's disability, and linkages between employment and health policies. These activities are carried out through policy planning, policy and program analysis, regulatory reviews, formulation of legislative proposals, policy research, evaluation and data planning.

This report was prepared under contract between HHS's ASPE/DALTCP and the Polisher Research Institute. Additional funding was provided by the National Institute on Aging. For additional information about this subject, you can visit the DALTCP home page at [http://aspe.hhs.gov/\\_/office\\_specific/daltcp.cfm](http://aspe.hhs.gov/_/office_specific/daltcp.cfm) or contact the ASPE Project Officers, William Marton and Hakan Aykan, at HHS/ASPE/DALTCP, Room 424E, H.H. Humphrey Building, 200 Independence Avenue, S.W., Washington, D.C. 20201. Their e-mail addresses are: [William.Marton@hhs.gov](mailto:William.Marton@hhs.gov) and [Hakan.Aykan@hhs.gov](mailto:Hakan.Aykan@hhs.gov).

**DEVELOPMENT OF AN ASSISTIVE TECHNOLOGY  
AND ENVIRONMENTAL ASSESSMENT INSTRUMENT  
FOR NATIONAL SURVEYS: FINAL REPORT  
Part II. Pilot Study Results for  
Recommended Items**

Vicki A. Freedman, Ph.D.  
University of Medicine and Dentistry of New Jersey

Emily M. Agree, Ph.D.  
Johns Hopkins Bloomberg School of Public Health

Lisa Landsberg, M.Ed.  
Polisher Research Institute

December 2005

Prepared for  
Office of Disability, Aging and Long-Term Care Policy  
Office of the Assistant Secretary for Planning and Evaluation  
U.S. Department of Health and Human Services

This report was funded by the Department of Health and Human Service's Office of the Assistant Secretary for Planning and Evaluation in cooperation with the National Institute on Aging (R01-14346) and the National Center for Health Statistics. The views expressed are those of the authors alone and do not represent those of the author's affiliations or funding agencies. The authors thank Carol Rayside for her administrative assistance in preparing this report.

# TABLE OF CONTENTS

OVERVIEW.....	1
FREQUENCIES .....	1
BEHAVIOR CODES.....	2
CROSSWALK BETWEEN PILOT STUDY INSTRUMENT AND RECOMMENDED MODULES .....	4
REFERENCES.....	4

## MODULES

- A. Home Environment Module
- B. Mobility and Other Devices Module
- C. Effectiveness/Participation Module
- D. Communication Technology Module
- E. Residual ADL and IADL Difficulty Module

## APPENDICES

- I. Crosswalk of Question Numbers from Pilot Test and Final  
Recommended Modules
- II. Technology and Aging Pilot Survey: Instrument for the Pilot Study

# **OVERVIEW**

The purpose of this project was to develop, pilot, and disseminate a set of instruments for national surveys to measure the use of assistive technology and the environments in which they are used. The project focused on older adults (ages 50 and older) living in the community. The instruments have been designed as a series of modules that can be adopted in whole or part as part of a computer-assisted telephone interview (CATI).

Part I of this report presents the recommended 8-10 minute instrument (consisting of five modules) and a briefer 2-3 minute instrument (consisting of a single module). The instruments include the relevant skip and fill instructions for CATI programming. Also included in Part I of this report are timing estimates, recommendations for interviewer training, and background on the instrument development process.

The purpose of Part II is to present results from the pilot test for the recommended items. For each recommended item, we provide the following information:

- the recommended wording and universe for the item;
- the wording as the item was originally piloted;
- the unweighted and weighted frequency distributions among the applicable universe from the pilot study; and,
- for items with at least 20 respondents, results from behavioral coding.

# **FREQUENCIES**

Weighted frequency distributions from the pilot study are provided as a benchmark for distributions that could be expected with a national sample ages 50 and older. Weights developed for this purpose were post-stratified to a limited number of key demographic variables.<sup>1</sup> The frequencies also provide information on the extent of missing data (item refusal and don't know responses), which in most cases was very low.

In some cases the wording of the recommended questions or the recommended universe differs from that used in the pilot study. These differences are noted on the item-specific pages and also in the crosswalk document provided in the appendix.

---

<sup>1</sup> Sampling weights realigned the pilot study sample to match national distributions of sex, age group, education, and functioning found in the 2003 National Health Interview Survey.

# BEHAVIOR CODES

Behavioral coding is a systematic method of recording interactions between an interviewer and respondent during an interview (Fowler and Cannel, 1996). In the pilot study, 150 interviews that reflected the pilot sample composition<sup>2</sup> were tape recorded and then coded by two trained research assistants. The purpose of the behavior coding was to identify items that had potential problems with validity and reliability because either interviewers did not read them as written or respondents found them to be cognitively challenging.

For items with at least 20 responses, two interviewer and three respondent behaviors are reported: reading questions other than verbatim, probing or providing definitions, providing qualified or inadequate answers,<sup>3</sup> requesting a clarification,<sup>4</sup> and interrupting.<sup>5</sup> 121 of the 126 items recommended in the 8-10 minute module were coded for behaviors. A high percentage (99% on average) of responses to these items was coded as adequate and a low percentage (2-3% on average) involved wording changes by interviewers, requests by respondents for clarification or definitions, and interruption of questions. Probing occurred on average 7% of the time.

Some researchers have used 15% as a threshold for identifying potential problems with the validity or reliability of an item. This threshold is relevant for wording changes, qualified or inadequate answers, and requests for clarification. However, for probing behaviors, the literature has generally focused on *inappropriate* probing as the behavior of interest. Since the pilot study did not evaluate the appropriateness of the probing, probing levels of 15% are not necessarily problematic. Similarly, interrupting behaviors are not necessarily problematic if they occur as part of a learned response pattern to a repetitive series.

Of the 121 items in the recommended 8-10 minute instrument that were coded for behaviors in the pilot study, only nine items reached the 15% threshold. Three items that required probing at least 20% of the time in the pilot study (MO-5, EF-1, EF-3) were changed in the recommended modules so that the Universe of respondents was narrowed to a more relevant subgroup. Definitions were added for two items that required clarification between 15% and 20% of the time (MO-3.4 and CO-6.3). The remaining four items that required probing between 15% and 20% of the time (HE-13.1b, HE-13.3b, MO-2.1c, CO-5) were not changed.

---

<sup>2</sup> The 150 interviews were distributed as follows: 50 ages 50-64 (25 from a household in which someone had a disability), 50 ages 65-79, and 50 ages 80+. All 21 respondents residing in an assisted living facility were included in the 150 tape recorded interviews.

<sup>3</sup> An answer is coded as qualified when a respondent's final answer is among the response options, but includes a qualifying statement. An answer is coded as inadequate when a respondent's final answer is not among the response options.

<sup>4</sup> A response is coded as a request for clarification if the respondent asks about the question's meaning or asks to have the question repeated.

<sup>5</sup> NA (not applicable) is reported if the sample size is less than 20 or if the recommended item was not included in the pilot study.

Where sample sizes allowed, we also tested for differences in behaviors by age groups (50-64, 65-79, 80+) and by functional status (one or more versus no functional limitations).<sup>6</sup> Most often behaviors did not vary significantly by age or functional status. Where they did, we note this in a footnote to the relevant table.

For some questions sample sizes for behavior coding were too small to evaluate the individual item. We therefore collapsed information across similar types of questions. Results are summarized in the table below (with N's summed across items shown parenthetically). In general, few problem behaviors were reported for questions about home features, mobility aids, other aids, and residual difficulty, with most estimates well below the 15% threshold. Only probing about the frequency of use of a mobility aid crossed the threshold; most of the probing was around the use of aids outside.

<b>TABLE 1. Percentage of Responses Involving Key Interviewer and Respondent Behaviors</b>					
	<b>Interviewer Behaviors</b>		<b>Respondent Behaviors</b>		
	<b>Changed wording</b>	<b>Probed or provided definition</b>	<b>Gave qualified or inadequate answer</b>	<b>Requested definition or clarification</b>	<b>Interrupted</b>
Home features <sup>1</sup>					
Existence (N=1813)	1.9	5.6	0.3	3.2	0.7
There or added (N=164)	0.6	5.5	0	0.6	9.8
Frequency of use (N=192)	2.1	14.1	0.5	2.1	10.9
Mobility aid <sup>2</sup> (N=154)	7.8	16.9	1.3	1.9	11.1
Other aid <sup>3</sup> (N=1500)	1.7	5.2	0	3.8	0.7
Residual Difficulty					
ADLs (N=750) <sup>4</sup>	2.5	6.4	0.1	1.2	10.1
IADLs (N=530) <sup>5</sup>	2.3	6.2	0.2	3.4	8.9
<ol style="list-style-type: none"> <li>1. Features include working lights; handrails at entrance; ramp; automatic doors; bedroom, kitchen and bath on same floor; chair lift; elevator; handrails in staircases or hallways; emergency call system; stall shower; grab bars; tub seat; handheld showerhead; raised or modified seat; grab bars around toilet from questions HE-5 to HE-14.</li> <li>2. How often used cane, walker, wheelchair, and scooter to transfer, get around inside, or get around outside from questions MO-2.1 to MO-2.4.</li> <li>3. Other aids include hearing aid, glasses, vision aids other than glasses, reacher or grabber, special bed, trapeze, raising seat, portable commode, modified washer or dryer, and adapted utensils from questions MO-3.1 to MO-3.10.</li> <li>4. Amount of difficulty (when using devices) transferring, getting around inside, getting around outside, bathing, and toileting by yourself from questions RD-1 to RD-5.</li> <li>5. Amount of difficulty (when using devices) preparing meals, shopping for groceries, managing money, and going places outside walking distance by yourself from questions RD-6.1b to RD-6.4b.</li> </ol>					

<sup>6</sup> Functional limitation groups were assigned based on responses of some, a lot, unable, or doesn't do to items 78.1-78.8.

# **CROSSWALK BETWEEN PILOT STUDY INSTRUMENT AND RECOMMENDED MODULES**

The appendix includes a document that crosswalks the items in the pilot study with those in the recommended modules. The document provides question numbers for both instruments and indicates where there are differences in questions wording and applicable Universes. Items included in the 2-3 minute module are also designated. The crosswalk is followed by the pilot study instrument. See Part I of this report for the recommended 8-10 minute and 2-3 minute instruments.

## **REFERENCES**

Fowler FJ & CF Cannell. 1996. Using behavioral coding to identify cognitive problems with survey questions. In N Schwarz & SA Sudman (Eds.), *Answering Questions*, pp. 15-36. San Francisco, CA: Jossey-Bass.



**MODULE A:**

**HOME ENVIRONMENT MODULE**

## HOME ENVIRONMENT MODULE

**HE-1 Is your home part of a building that has two or more apartments or units with a common or shared entrance?** Universe: All respondents

Pilot Study Question 15: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	14.4	13.7
2. NO	85.3	86.1
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.2

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	6.0	0	3.3	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations

**HE-2 In the last 30 days, how often have you left your {home/ building} to go outside? Was it every day or almost every day, several times a week, once a week, less than once a week, or never?**

Universe: All respondents

Pilot Study Question 43: In the last 30 days, how often have you left your {home/ building} to go outside? Was it every day or almost every day, several times per week, once a week, less than once a week, or never?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. every day or almost every day	76.1	79.9
2. several times a week	14.4	10.5
3. once a week	4.2	4.4
4. less than once a week	3.6	3.8
5. never?	1.1	1.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.6	0.4

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	13.3	0	2.7	14.0

Behavior coding frequencies did not differ significantly ( $P > .05$ ) by respondents' age of by presence of functional limitations.

**HE-3 Thinking about the entrance you use most often, do you have to use stairs or step up or down to get into your building from outside?** Universe: IF (HE-1= 1)

Pilot Study Question 16: Thinking about the entrance you use most often, do you have to use stairs or step up to get into your building from outside?

Frequency Distribution (N=52)

	Unweighted %	Weighted %
1.YES	32.7	24.1
2. NO	67.3	75.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=1)

Interviewer and Respondent Behaviors (N=25)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	12.0	0	4.0	2.7

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations

**HE-4 Is this a common or shared entrance, or is it an entrance directly into your home?** Universe: IF (HE-1=1)

Pilot Study Question 17: Is this entrance a common or shared entrance or is it an entrance directly into your home?

Frequency Distribution (N=52)

	Unweighted %	Weighted %
1. COMMON OR SHARED ENTRANCE	65.4	63.3
2. ENTRANCE DIRECTLY INTO HOME	34.6	36.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=1)

Interviewer and Respondent Behaviors (N=25)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	12.0	0	4.0	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations

**HE-5.1 Does this entrance have working lights?** Universe: IF (HE-1=1) AND (HE-4=1)

Pilot Study Question 18.1: Does this entrance have working lights on the pathway or outside the entrance?

Frequency Distribution (N=34)

	Unweighted %	Weighted %
1. Yes	97.1	97.9
2. No	2.9	2.1
-7. REFUSED	0.0	0.0
-8. Don't Know	0.0	0.0

Pilot Study Universe: IF (Question 15=1) AND (Question 17=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-5.2 Does this entrance have handrails leading to the entrance?** Universe: IF (HE-1=1) AND (HE-4=1)

Piloted Study Question 18.2: Same

Frequency Distribution (N= 34)

	Unweighted %	Weighted %
1. YES	35.3	31.3
2. NO	61.8	68.4
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	2.9	3.0

Pilot Study Universe: IF (Question 15=1) AND (Question 17=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-5.3 Does this entrance have a ramp?** Universe: IF (HE-1=1) AND (HE-4=1)

Pilot Study Question 18.3: Same

Frequency Distribution (N=34)

	Unweighted %	Weighted %
1. YES	20.6	22.3
2. NO	79.4	77.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=1) AND (Question 17=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-5.3a In the last 30 days when you left your home, did you use the ramp every time, most times, sometimes, rarely, or never?** Universe: IF (HE-1=1) AND (HE-4=1) AND (HE-5.3=1) AND (HE-2 ne 5)

Pilot Study Question 18.3a: Same

Frequency Distribution: Not reported due to inadequate sample size (N<20)

	Unweighted %	Weighted %
1. every time	NA	NA
2. most times	NA	NA
3. sometimes	NA	NA
4. rarely	NA	NA
5. never	NA	NA
6. DIDN'T LEAVE HOME	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: IF (Question 15=1) AND (Question 17=1) AND (Question 18.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-5.4 Does this entrance have automatic doors?** Universe: IF (HE-1=1) AND (HE-4=1)

Pilot Study Question 18.4: Same

Frequency Distribution (N=34)

	Unweighted %	Weighted %
1. YES	35.3	21.3
2. NO	64.7	78.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=1) AND (Question 17=1)

Interviewer and Respondent Behaviors Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-6 Is your building more than one story?** Universe: IF (HE-1=1) AND (HE-4=1)

Pilot Study Question 19: Same

Frequency Distribution (N=34)

	Unweighted %	Weighted %
1. YES	88.2	87.3
2. NO	11.8	12.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe : IF (Question 15=1) AND (Question 17=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-7 Is the building entrance that you use most often on the same floor as your home?** Universe: IF (HE-1=1) AND (HE-4=1) AND (HE-6=1)

Pilot Study Question 20: Is your home on the same floor as the entrance to the building you use most often?

Frequency Distribution (N=30)

	Unweighted %	Weighted %
1. YES	23.3	11.0
2. NO	76.7	89.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=1) AND (Question 17=1) AND (Question 19=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-8 Does your building have an elevator?** Universe: IF (HE-1=1) AND (HE-4=1) AND (HE-6=1) AND (HE-7= 2, -7, -8)

Pilot Study Question 21: Same

Frequency Distribution (N=23)

	Unweighted %	Weighted %
1. YES	87.0	91.4
2. NO	13.0	8.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=1) AND (Question 17=1) AND (Question 19=1) AND (Question 20= 2, -7, -8)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-9 Thinking about the entrance you use most often, do you have to use stairs, or step up or down, to get into your home from outside?** Universe: IF (HE-1=2, -7, -8)

Pilot Study Question 22: Thinking about the entrance you use most often, do you have to use stairs or step up to get into your home from outside?

Frequency Distribution (N=308)

	Unweighted %	Weighted %
1. YES	75.6	75.3
2. NO	23.7	24.4
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.6	0.3

Pilot Study Universe: IF (Question 15=2, -7, -8)

Interviewer and Respondent Behaviors (N=125)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.2	5.6	0	0.8	0.8

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-10.1 Does this entrance have working lights?** Universe: IF (HE-1=2, -7, -8) OR (HE-4=2, -7, -8)

Pilot Study Question 23.1: Does this entrance have working lights on the pathway or outside the entrance?

Frequency Distribution (N=326)

	Unweighted %	Weighted %
1. YES	88.3	92.3
2. NO	11.7	7.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=2, -7, -8) OR (Question 17=2, -7, -8)

Interviewer and Respondent Behaviors (N=131)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	7.6	0.8	4.6	0

A significantly greater percent of respondents with no functional limitations requested definitions or clarifications (13.8%) compared to respondents with one or more functional limitations (2.0%) ( $p<.05$ ). Behavior coding frequencies did not differ significantly for the other behavior coding categories by age group or presence of functional limitations ( $p>.05$ ).



**HE-10.2 Does this entrance have handrails leading to the entrance?** Universe: IF (HE-1=2, -7, -8) OR (HE-4=2, -7, -8)

Pilot Study Question 23.2: Same

Frequency Distribution (N=326)

	Unweighted %	Weighted %
1. YES	34.7	32.4
2. NO	65.3	67.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=2, -7, -8) OR (Question 17=2, -7, -8)

Interviewer and Respondent Behaviors (N=131)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.8	4.6	0	1.5	0.8

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-10.2a Were these handrails there when you moved in or were they added?** Universe: IF (HE-1=2, -7, -8) OR (HE-4=2, -7, -8) AND (HE-10.2=1)

Pilot Study Question 23.2a: Were the handrails there when you moved in or were they added?

Frequency Distribution (N=113)

	Unweighted %	Weighted %
1. THERE	42.5	45.4
2. ADDED	56.6	54.1
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.9	0.5

Pilot Study Universe: IF (Question 15=2, -7, -8) OR (Question 17=2, -7, -8) AND (Question 23.2=1)

Interviewer and Respondent Behaviors (N=48)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	2.1	0	0	6.3

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-10.3 Does this entrance have a ramp?** Universe: IF (HE-1=2, -7, or -8) OR (HE-4=2, -7, -8)

Pilot Study Question 23.3: Same

Frequency Distribution (N=326)

	Unweighted %	Weighted %
1. YES	6.1	8.3
2. NO	93.9	91.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15=2, -8, or -7) OR (Question 17=2, -7, -8)

Interviewer and Respondent Behaviors (N=131)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.8	2.3	0	1.5	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**HE-10.3a Was the ramp there when you moved in or was it added?** Universe: IF (HE-1=2, -7, or -8) OR (HE-4=2, -7, -8) AND (HE-10.3=1)

Pilot Study Question 23.3a: Same

Frequency Distribution (N=20)

	Unweighted %	Weighted %
1. THERE	10.0	4.1
2. ADDED	85.0	93.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	5.0	2.2

Pilot Study Universe: IF (Question 15=2, -7, -8) OR (Question 17=2, -7, -8) AND (Question 23.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-10.3b In the last 30 days when you left your home, did you use the ramp every time, most times, sometimes, rarely, or never?** Universe: IF (HE-1= 2, -7, -8) OR (HE-4=2, -7, -8) AND (HE-10.3=1) AND (HE-2 ne 5)

Pilot Study Question 23.3b: Same

Frequency Distribution (N=20)

	Unweighted %	Weighted %
1. every time	55.0	38.4
2. most times	15.0	22.1
3. sometimes	20.0	35.6
4. rarely	10.0	4.0
5. never	0.0	0.0
6. DIDN'T LEAVE HOME	0.0	0.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 15= 2, -7, -8) OR (Question 17=2, -7, -8) AND (Question 23.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-11 Is your living space on more than one floor?** Universe: All respondents

Pilot Study Question 24: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	31.9	38.9
2. NO	68.1	61.1
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	5.3	0	1.3	0

Respondents with no functional limitations (N=30) were more likely to be probed or provided a definition (13.3%) compared to respondents with one or more functional limitations (3.3% of N=120). Other behavioral coding categories did not differ by age group or by presence of functional limitations.

**HE-12.1 Whether or not you use it, does your home have a bedroom, kitchen, and bath on same floor?** Universe: IF (HE-11=1)

Pilot Study Question 25.1: Whether or not you use them, does your home have a bedroom, kitchen, and bath on same floor?

Frequency Distribution (N=115)

	Unweighted %	Weighted %
1. YES	59.1	53.5
2. NO	40.9	46.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 24=1)

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	6.3	0	4.2	2.1

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**HE-12.2 Whether or not you use it, does your home have an elevator?** Universe: IF (HE-11=1)

Pilot Study Question 25.2: Same

Frequency Distribution (N=115)

	Unweighted %	Weighted %
1. YES	1.7	1.2
2. NO	98.3	98.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 24=1)

Interviewer and Respondent Behaviors (N=48)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	0	0	0	0

Analyses by respondent's age and functional status could not be performed because behaviors did not occur.

**HE-12.2a Was the elevator there when you moved in or was it added?** Universe: IF (HE-11=1) AND (HE-12.2=1)

Pilot Study Question 25.2a: Same

Frequency Distribution: Not reported due to inadequate sample size (N<20)

	Unweighted %	Weighted %
1. THERE	NA	NA
2. ADDED	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: IF (Question 24=1) AND (Question 25.2=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.2b In the last 30 days when you went upstairs or downstairs, did you use the elevator every time, most times, sometimes, rarely, or never?** Universe: IF (HE-11=1) AND (HE-12.2=1)

Pilot Study Question 25.2b: Same

Frequency Distribution: Not reported due to inadequate sample size (N<20)

	Unweighted %	Weighted %
1. every time	NA	NA
2. most times	NA	NA
3. sometimes	NA	NA
4. rarely	NA	NA
5. never	NA	NA
6. DIDN'T USE STAIRS	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: IF (Question 24=1) AND (Question 25.2=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.3 Whether or not you use it, does your home have a chair lift or stair glide?** Universe: IF (HE-11=1)

Pilot Study Question 25.3: Same

Frequency Distribution (N=115)

	Unweighted %	Weighted %
1. YES	2.6	0.4
2. NO	97.4	99.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 24=1)

Interviewer and Respondent Behaviors (N=48)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
4.2	2.1	0	0	4.2

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-12.3a Was it there when you moved in or was it added?** Universe: IF (HE-11=1) AND (HE-12.3=1)

Pilot Study Question 25.3a: Was the chair lift or stair glide there when you moved in or was it added?

Frequency Distribution: Not reported due to inadequate sample size (N<20)

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	NA	NA
2. ADDED	NA	NA
-7. REFUSED	NA	NA

Pilot Study Universe: IF (Question 24=1) AND (Question 25.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.3b In the last 30 days when you went upstairs or downstairs, did you use the chair lift or stair glide every time, most times, sometimes, rarely, or never?** Universe: IF (HE-11=1) AND (HE-12.3=1)

Pilot Study Question 25.3b: Same

Frequency Distribution:

Not reported due to inadequate sample size (N<20)

	Unweighted %	Weighted %
1. every time	NA	NA
2. most times	NA	NA
3. sometimes	NA	NA
4. rarely	NA	NA
5. never	NA	NA
6. DIDN'T USE STAIRS	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: IF (Question 24=1) AND (Question 25.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.4 Whether or not you use them, does your home have handrails in any of the staircases?**

Universe: IF (HE-11=1)

Pilot Study Question (NA): This question was not included in the pilot test.

Frequency Distribution

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	NA	NA
2. ADDED	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: NA

Interviewer and Respondent Behaviors

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.4a Were these rails there when you moved in or were any of them added?** Universe: IF (HE-11=1) AND (HE-12.4=1)

Pilot Study Question (NA): This question was not included in the pilot test.

Frequency Distribution

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	NA	NA
2. ADDED	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: NA

Interviewer and Respondent Behaviors

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.4b In the last 30 days when upstairs or downstairs, did you use the handrails every time, most times, sometimes, rarely, or never?** Universe: IF (HE-11=1) AND (HE-12.4=1)

Pilot Study Question (NA): This question was not included in the pilot test.

Frequency Distribution

	Unweighted %	Weighted %
1. every time	NA	NA
2. most times	NA	NA
3. sometimes	NA	NA
4. rarely	NA	NA
5. never?	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: NA

Interviewer and Respondent Behaviors

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA



**HE-12.5 Whether or not you use them, does your home have handrails in any of the hallways?**

Universe: All respondents

Pilot Study Question 26.2: Whether or not you use them, does your home have support or grab rails in the hallway?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	8.6	5.5
2. NO	90.0	93.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	1.4	1.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	2.7	0	0	0.7

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.**HE-12.5a Were these rails there when you moved in or were any of them added?** Universe: IF (HE-12.5=1)

Pilot Study Question 26.2a: Were these rails there when you moved in or were they added?

Frequency Distribution (N=31)

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	67.7	70.7
2. ADDED	32.3	29.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 26.2=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N&lt;20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.5b In the last 30 days, when you went down the hallway, did you use the rails every time, most times, sometimes, rarely, or never?** Universe: IF (HE-12.5=1)

Pilot Study Question 26.2b: Same

Frequency Distribution (N=31)

	Unweighted %	Weighted %
1. every time	22.6	33.8
2. most times	19.4	16.3
3. sometimes	25.8	20.0
4. rarely	19.4	22.9
5. never	12.9	7.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 26.2=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-12.6 Whether or not you use have used it, does your home have an emergency call or personal response system to help if you fall?** Universe: All respondents

Pilot Study Question 26.3: Whether or not you use them, does your home have an emergency call or personal response system to help if you fall?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	13.1	11.0
2. NO	86.9	89.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
4.0	9.3	0	3.3	0.7

The frequency of Changed wordings differed significantly ( $p < .05$ ) among respondents of different age groups: 50-64 years (0% of N=50), 65-79 years (2.0% of N=51), 80+ years (10.2% of N=49). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**HE-12.6a Was this system there when you moved in or was it added?** Universe: IF (HE-12.6=1)

Pilot Study Question 26.3a: Was the system there when you moved in or was it added?

Frequency Distribution (N=47)

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	48.9	44.3
2. ADDED	51.1	55.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 26.3=1)

Interviewer and Respondent Behaviors (N=21)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	4.8	0	0	4.8

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-12.6b In the last 30 days, have you used this system to call for help?** Universe: IF (HE-12.6=1)

Pilot Study Question 26.3b: Same

Frequency Distribution (N=47)

	Unweighted %	Weighted %
1. YES	2.1	1.3
2. NO	97.9	98.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 26.3=1)

Interviewer and Respondent Behaviors (N=20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
5.0	5.0	0	0	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-13.1 Whether or not you use it, does your home have a stall shower separate from a tub?**

Universe: All respondents

Pilot Study Question 27.1: Whether or not you use them, does this bathroom have a stall shower separate from a tub?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	33.9	28.3
2. NO	66.1	71.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.7	7.3	0.7	5.3	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.**HE-13.1b In the last 30 days, when you bathed or showered, did you use the stall shower every time, most times, sometimes, rarely, or never?** Universe: IF (HE-13.1=1)

Pilot Study Question 27.1b: In the last 30 days, when you bathed or showered, did you use this shower every time, most times, sometimes, rarely, or never?

Frequency Distribution (N=122)

	Unweighted %	Weighted %
1. every time	79.5	83.6
2. most times	11.5	7.7
3. sometimes	4.1	2.5
4. rarely	2.5	2.3
5. never?	2.5	3.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 27.1=1)

Interviewer and Respondent Behaviors (N=53)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.8	15.1	0	3.8	5.7

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-13.2 Whether or not you use them, does your home have any grab bars in the shower or tub area?** Universe: All respondents

Pilot Study Question 27.2: Whether or not you use them, does this bathroom have any grab bars in the shower or tub area?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	39.4	29.7
2. NO	60.6	70.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.3	4.7	0.7	2.0	2.7

Frequency of requests for clarification or definitions differed significantly ( $p < .05$ ) by age group: 50-64 yrs (0% of  $n=50$ ), 65-79 (0% of  $n=51$ ), 80+ yrs (6.1% of  $n=49$ ). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**HE-13.2a Were these grab bars there when you moved in or were any of them added?** Universe: IF (HE-13.2=1)

Pilot Study Question 27.2a: Were these grab bars there when you moved in or were they added?

Frequency Distribution (N=142)

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	43.7	42.2
2. ADDED	56.3	57.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 27.2=1)

Interviewer and Respondent Behaviors (N=53)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	9.4	0	0	9.4

Frequency of interruptions differed significantly ( $p < .05$ ) by age group: 50-64 years (0% of  $N=12$ ), 65-79 years (0% of  $N=17$ ), 80+ years (20.8% of  $N=24$ ). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**HE-13.2b In the last 30 days, when you bathed or showered, did you use the grab bars every time, most times, sometimes, rarely, or never?** Universe: IF (HE-13.2=1)

Pilot Study Question 27.2b: Same

Frequency Distribution (N=142)

	Unweighted %	Weighted %
1. every time	45.8	40.0
2. most times	14.1	13.4
3. sometimes	14.1	15.7
4. rarely	9.8	13.6
5. never	15.5	17.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.7	0.3

Pilot Study Universe: IF (Question 27.2=1)

Interviewer and Respondent Behaviors (N=53)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	13.2	0	0	9.4

Frequencies of interruptions differed significantly ( $p < .05$ ) by age group: 50-64 years (0% of N=12), 65-79 years (0% of N=17), 80+ years (20.8% of N=24). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**HE-13.3 Whether or not you use it, does your home have a seat for the shower or tub?** Universe: All respondents

Pilot Study Question 27.3: Whether or not you use it, does this bathroom have a seat, bench, or stool for the shower or tub?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	28.6	19.5
2. NO	71.4	80.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
6.0	10.7	0.7	10.0	1.3

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**HE-13.3a Was this seat there when you moved in or was it added?** Universe: IF (HE-13.3=1)

Pilot Study Question (NA): This question was not included in the pilot test.

Frequency Distribution

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	NA	NA
2. ADDED	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: NA

Interviewer and Respondent Behaviors

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-13.3b In the last 30 days, when you bathed or showered, did you use the seat every time, most times, sometimes, rarely, or never?** Universe: IF (HE-13.3=1)

Pilot Study Question 27.3b: In the last 30 days, when you bathed or showered, did you use this seat, bench, or stool every time, most times, sometimes, rarely, or never?

Frequency Distribution (N=103)

	Unweighted %	Weighted %
1. every time	36.9	29.8
2. most times	5.8	14.4
3. sometimes	8.7	6.6
4. rarely	8.7	6.4
5. never	39.8	42.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 27.3=1)

Interviewer and Respondent Behaviors (N=39)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.6	15.4	2.6	5.1	17.9

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**HE-13.4 Whether or not you use it, does your home have a handheld showerhead?** Universe: All respondents

Pilot Study Question 27.4: Whether or not you use it, does this bathroom have an extended, long or handheld showerhead?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	41.1	41.7
2. NO	58.6	58.1
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.2

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	8.7	0	4.0	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**HE-14.1 Whether or not you use them, does your home have grab bars around any of the toilets?**

Universe: All respondents

Pilot Study Question 28.1: Whether or not you use it, does the toilet you use most often have grab bars around it?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	11.9	7.9
2. NO	88.1	92.1
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	2.0	0	1.3	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.



**HE-14.1a Were these grab bars there when you moved in or were any of them added?** Universe: IF (HE-14.1=1)

Pilot Study Question 28.1a: Were the grab bars there when you moved in or were they added?

Frequency Distribution (N=43)

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	27.9	28.3
2. ADDED	72.1	71.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 28.1=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-14.1b In the last 30 days, when you used the toilet, did you use the grab bars every time, most times, sometimes, rarely, or never?** Universe: IF (HE-14.1=1)

Pilot Study Question 28.1b: In the last 30 days, when you used the toilet, did you use the bars every time, most times, sometimes, rarely, or never?

Frequency Distribution (N=43)

	Unweighted %	Weighted %
1. every time	44.2	47.4
2. most times	20.9	20.1
3. sometimes	16.3	14.4
4. rarely	2.3	0.3
5. never	16.3	17.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 28.1=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-14.2 Does your home have a raised or modified toilet seat?**

Universe: All respondents

Pilot Study Question 28.2: Whether or not you use it, does this toilet have a raised or modified seat?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	17.5	15.7
2. NO	82.5	84.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	3.3	0	2.7	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.**HE-14.2a Was the raised or modified seat there when you moved in or was it added?** Universe: IF (HE=14.2=1)

Pilot Study Question (NA): This question was not included in the pilot test.

Frequency Distribution

	Unweighted %	Weighted %
1. THERE WHEN MOVED IN	NA	NA
2. ADDED	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: NA

Interviewer and Respondent Behaviors

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**HE-15 Did you or your family pay any of the cost of adding this/these?** Universe: IF (HE-10.2a, HE-10.3a, HE-12.2a, HE-12.3a, HE-12.4a, HE-12.5a, HE-12.6a, HE-13.2a, HE-13.3a, HE-14.1a, OR HE-14.2a=2)

Pilot Study Question 36: Did you or your family pay some or all of the cost of adding these features?

Frequency Distribution (N=228)

	Unweighted %	Weighted %
1. YES	90.8	92.6
2. NO	9.2	7.4
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 18.3i, 18.4i, 23.1a, 23.2a, 23.3a, 25.1a, 25.2a, 25.3a, 26.1a, 26.2a, 26.3a, 27.1a, 27.2a, 27.4a, 27.5a, OR 28.1a=2)

Interviewer and Respondent Behaviors (N=92)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
5.4	13.0	0	7.6	0

Behavior coding frequencies did not differ significantly ( $p > .05$ ) by respondents' age group or presence of functional limitations.

**HE-16 About how much did you and your family pay altogether? Was it more than \$500, less than \$500, or just about \$500?** Universe: IF (HE-10.2a, HE-10.3a, HE-12.2a, HE-12.3a, HE-12.4a, HE-12.5a, HE-12.6a, HE-13.2a, HE-13.3a, HE-14.1a, OR HE-14.2a=2) AND (HE-15=1)

Pilot Study Question 37: Same

Frequency Distribution (N=207)

	Unweighted %	Weighted %
1. more than \$500	25.1	24.4
2. less than \$500	53.6	55.6
3. just about \$500	16.4	16.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	4.8	3.3

Pilot Study Universe: IF (Question 18.3i, 18.4i, 23.1a, 23.2a, 23.3a, 25.1a, 25.2a, 25.3a, 26.1a, 26.2a, 26.3a, 27.1a, 27.2a, 27.4a, 27.5a, OR 28.1a=2) AND (Question 36=1)

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	10.6	0	7.1	4.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondents' age group or presence of functional limitations.

**HE-17 Was it more than \$1000, less than \$1000 or just about \$1000?** Universe: IF (HE-10.2a, HE-10.3a, HE-12.2a, HE-12.3a, HE-12.4a, HE-12.5a, HE-12.6a, HE-13.2a, HE-13.3a, HE-14.1a, OR HE-14.2a=2) AND (HE-15=1) AND (HE-16=1).

Pilot Study Question 38: Same

Frequency Distribution (N=52)

	Unweighted %	Weighted %
1. more than \$1000	50.0	58.1
2. less than \$1000	21.1	21.1
3. just about \$1000	21.1	14.9
-7. REFUSED	1.9	2.3
-8. DON'T KNOW	5.8	3.6

Pilot Study Universe: IF (Question 18.3i, 18.4i, 23.1a, 23.2a, 23.3a, 25.1a, 25.2a, 25.3a, 26.1a, 26.2a, 26.3a, 27.1a, 27.2a, 27.4a, 27.5a, OR 28.1a=2) AND (Question 36=1) AND (Question 37=1)

Interviewer and Respondent Behaviors (N=23)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	8.7	0	4.3	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondents' age group or presence of functional limitations.

**HE-18 Was it more than \$100, less than \$100 or just about \$100?** Universe: IF (HE-10.2a, HE-10.3a, HE-12.2a, HE-12.3a, HE-12.4a, HE-12.5a, HE-12.6a, HE-13.2a, HE-13.3a, HE-14.1a, OR HE-14.2a=2) AND (HE-15=1) AND (HE-16=2)

Pilot Study Question 39: Same

Frequency Distribution (N=111)

	Unweighted %	Weighted %
1. more than \$100	27.9	25.7
2. less than \$100	40.5	48.9
3. just about \$100	29.7	24.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	1.8	0.8

Pilot Study Universe: IF (Question 18.3i, 18.4i, 23.1a, 23.2a, 23.3a, 25.1a, 25.2a, 25.3a, 26.1a, 26.2a, 26.3a, 27.1a, 27.2a, 27.4a, 27.5a, OR 28.1a=2) AND (Question 36=1) AND (Question 37=2)

Interviewer and Respondent Behaviors (N=46)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.2	6.5	0	0	6.5

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondents' age group or presence of functional limitations.

**HE-19 Did your health insurance or any other program pay any of the cost of adding this/these?**

Universe: IF (HE-10.2a, HE-10.3a, HE-12.2a, HE-12.3a, HE-12.4a, HE-12.5a, HE-12.6a, HE-13.2a, HE-13.3a, HE-14.1a, OR HE-14.2a =2).

Pilot Study Question 40: Did your health insurance or any other program pay for some or all of the cost of adding these features?

Frequency Distribution (N=228)

	Unweighted %	Weighted %
1. YES	9.6	8.5
2. NO	89.0	91.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	1.3	0.4

Pilot Study Universe: IF (Question 18.3i, 18.4i, 23.1a, 23.2a, 23.3a, 25.1a, 25.2a, 25.3a, 26.1a, 26.2a, 26.3a, 27.1a, 27.2a, 27.4a, 27.5a, OR 28.1a=2).

Interviewer and Respondent Behaviors (N=92)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	4.3	0	1.1	6.5

Behavior coding frequencies did not differ significantly ( $p > .05$ ) by respondents' age group or presence of functional limitations.

---

**MODULE B:**  
**MOBILITY AND OTHER DEVICES**  
**MODULE**

## MOBILITY AND OTHER DEVICES MODULE

### MO-1 In the last 30 days, have you used a cane, walker, wheelchair, or scooter, yes or no?

Universe: All respondents

Pilot Study Question 1: Same

Frequency Distribution (N=342)\*

	Unweighted %	Weighted %
1. Yes	28.1	19.4
2. No	71.9	80.6
-7. Refused	0	0
-8. Don't Know	0	0

Pilot Study Universe: All respondents

\*18 cases are missing due to a CATI complication.

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.3	1.3	0	2.0	3.3

Behavior coding frequencies did not differ significantly ( $p > .05$ ) by respondents' age or by presence of functional limitations.

### MO-2.1 In the last 30 days, did you use a cane? Universe: IF (MO-1=1).

Pilot Study Question 44.1: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	21.9	15.1
2. NO	78.1	84.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	3.3	0	1.3	0.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-2.1a In the last 30 days, when you got out of a bed or chair, how often did you use your cane to help? Would you say every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.1=1)

Pilot Study Question 44.1a: Same

Frequency Distribution (N= 79)

	Unweighted %	Weighted %
1. every time	19.0	19.1
2. most times	12.7	15.9
3. sometimes	24.1	19.6
4. rarely	10.1	16.7
5. never	34.2	28.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 44.1=1)

Interviewer and Respondent Behaviors (N=33)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	12.1	3.0	0	9.1

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-2.1b In the last 30 days, when you walked around inside your {home/ home or building}, how often did you use your cane? Every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.1=1)

Pilot Study Question 44.1b. Same

Frequency Distribution (N=79)

	Unweighted %	Weighted %
1. every time	10.1	9.6
2. most times	17.7	18.9
3. sometimes	34.2	36.3
4. rarely	11.4	14.4
5. never	26.6	20.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 44.1=1)

Interviewer and Respondent Behaviors (N=33)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
9.1	12.1	0	0	12.1

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.



**MO-2.1c In the last 30 days, when you left your {home/ building}, how often did you use your cane? Every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.1=1) AND (HE-2 ne 5)

Pilot Study Question 44.1c: Same

Frequency Distribution (N=78)

	Unweighted %	Weighted %
1. every time	46.2	44.7
2. most times	16.7	12.5
3. sometimes	16.7	24.1
4. rarely	14.1	12.3
5. never	5.1	5.2
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	1.3	1.2

Pilot Study Universe: IF (Question 44.1=1)

Interviewer and Respondent Behaviors (N=33)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
9.1	15.2	3.0	6.1	3.0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**MO-2.2 In the last 30 days, did you use a walker?** Universe: IF (MO-1=1)

Pilot Study Question 44.2: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	6.9	4.3
2. NO	93.1	95.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	1.3	0	0	0.7

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**MO-2.2a In the last 30 days, when you got out of a bed or chair, how often did you use your walker to help? Would you say every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.2=1)

Pilot Study Question 44.2a: Same

Frequency Distribution (N=25)

	Unweighted %	Weighted %
1. every time	28.0	30.3
2. most times	4.0	3.6
3. sometimes	24.0	17.2
4. rarely	8.0	9.3
5. never	32.0	35.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	4.0	3.8

Pilot Study Universe: IF (Question 44.2=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.2b In the last 30 days, when you walked around inside your {home/home or building}, how often did you use your walker? Every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.2=1)

Pilot Study Question 44.2b: Same

Frequency Distribution (N=25)

	Unweighted %	Weighted %
1. every time	32.0	34.1
2. most times	16.0	9.8
3. sometimes	20.0	16.0
4. rarely	8.0	11.1
5. never	24.0	29.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 44.2=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.2c In the last 30 days, when you left your {home/ building} how often did you use your walker? Every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.2=1) AND (HE-2 ne 5)

Pilot Study Question 44.2c: Same

Frequency Distribution (N=25)

	Unweighted %	Weighted %
1. every time	40.0	43.8
2. most times	4.0	7.5
3. sometimes	16.0	12.4
4. rarely	8.0	7.0
5. never	32.0	29.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 44.2=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.3 In the last 30 days, did you use a wheelchair?** Universe: IF (MO-1=1)

Pilot Study Question 44.3: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	6.1	4.7
2. NO	93.9	95.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	1.3	0	0.7	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**MO-2.3a In the last 30 days, when you got out of a bed or chair, how often did you use your wheelchair to help? Would you say every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.3=1)

Pilot Study Question 44.3a: Same

Frequency Distribution (N=22)

	Unweighted %	Weighted %
1. every time	27.3	28.2
2. most times	4.5	3.1
3. sometimes	13.6	12.7
4. rarely	9.1	6.2
5. never	45.5	49.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 44.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.3b In the last 30 days, when you went around inside your {home/home or building}, how often did you use your wheelchair? Every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1= 1) AND (MO-2.3=1)

Pilot Study Question 44.3b: Same

Frequency Distribution (N=22)

	Unweighted %	Weighted %
1. every time	31.8	35.9
2. most times	9.1	4.0
3. sometimes	13.6	18.2
4. rarely	4.5	3.6
5. never	40.9	38.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 44.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.3c In the last 30 days, when you left your {home/building}, how often did you use your wheelchair? Would you say every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1= 1) AND (MO-2.3=1) AND (HE-2 ne 5)

Pilot Study Question 44.3c: Same

Frequency Distribution:

Not reported due to inadequate sample size (N<20).

	Unweighted %	Weighted %
1. every time	NA	NA
2. most times	NA	NA
3. sometimes	NA	NA
4. rarely	NA	NA
5. never	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: IF (Question 44.3=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.4 In the last 30 days, did you use a scooter?** Universe: IF (MO-1=1)

Pilot Study Question 44.4: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	2.5	1.4
2. NO	97.5	98.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.3	1.3	0	1.3	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**MO-2.4a Do you own or rent this scooter?** Universe: IF (MO-1.1=1)

Pilot Study Question (N/A): This question was not included in the pilot test.

Frequency Distribution

	Unweighted %	Weighted %
1. YES	NA	NA
2. NO	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: NA

Interviewer and Respondent Behaviors

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.4b In the last 30 days, when you went around inside your {home/home or building}, how often did you use your scooter? Would you say every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.4=1)

Pilot Study Question 44.4b: Same

Frequency Distribution (N= 9): Not reported due to inadequate sample size (N<20).

	Unweighted %	Weighted %
1. every time	NA	NA
2. most times	NA	NA
3. sometimes	NA	NA
4. rarely	NA	NA
5. never	NA	NA
-7. refused	NA	NA
-8. don't know	NA	NA

Pilot Study Universe: IF (Question 44.4=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.4c In the last 30 days, when you left your {home/building}, how often did you use your scooter? Every time, most times, sometimes, rarely, or never?** Universe: IF (MO-1=1) AND (MO-2.4=1) AND (HE-2 ne 5)

Pilot Study Question 44.4c: Same

Frequency Distribution: Not reported due to inadequate sample size (N<20).

	Unweighted %	Weighted %
1. every time	NA	NA
2. most times	NA	NA
3. sometimes	NA	NA
4. rarely	NA	NA
5. never	NA	NA
-7. refused	NA	NA
-8. don't know	NA	NA

Pilot Study Universe: IF (Question 44.4=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20).

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-2.5 In the last 30 days, have you used a motorized cart or electric scooter at the store?** Universe: All respondents

Pilot Study Question 49.9: In the last 30 days, have you used a motorized or electric scooter at the grocery store?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	9.2	5.8
2. NO	90.6	94.1
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.2

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.7	6.0	0	2.7	10.3

Behavior code frequencies did not differ significantly (p>.05) by respondent's age group or presence of functional limitations.

**MO-3.1 In the last 30 days, have you used a hearing aid or other hearing device?**

Pilot Study Universe: All respondents

Pilot Study Question 49.1: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	12.5	5.6
2. NO	87.5	94.4
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.7	2.7	0	1.3	0.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-3.2 In the last 30 days, have you used glasses or contacts?** Universe: All respondents

Pilot Study Question 49.2: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	90.3	90.4
2. NO	9.7	9.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	5.3	0	2.0	0

Respondents with no functional limitations were significantly more likely ( $p < .05$ ) to be probed or given definitions (13.3% of N=30) compared to respondents with one or more functional limitations (3.3% of N=120). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.



**MO-3.3 In the last 30 days, have you used vision aids other than glasses?** Universe: All respondents

Pilot Study Question 49.3: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	8.3	7.3
2. NO	91.4	92.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.1

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	4.0	0	2.0	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-3.4 In the last 30 days, have you used a reacher or grabber?** Universe: All respondents

Pilot Study Question 49.4: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	15.0	10.6
2. NO	85.0	89.4
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	11.3	0	15.3	0.7

Frequency of requests for clarification or definitions varied significantly ( $p < .05$ ) by respondents' age group: 50-64 years (6.0% of N=50); 65-79 years (15.7% of N=51); 80+ years (24.5% of N=49). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**MO-3.5 In the last 30 days, have you used a special bed or chair to sleep in?** Universe: All respondents

Pilot Study Question 49.5: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	5.6	3.5
2. NO	94.4	96.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	4.7	0	2.0	1.3

Frequency of interviewer Changed wordings varied significantly ( $p < .05$ ) by respondents' age group: 50-64 years (0% of N=50); 65-79 years (0% of N=51); 80+ years (6.1% of N=49). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**MO-3.6 In the last 30 days, have you used a trapeze, lift, or sling to get in and out of bed?**

Universe: All respondents

Pilot Study Question 44.7: In the last 30 days, have you used a trapeze or sling to get in and out of bed?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	0.3	0.2
2. NO	99.7	99.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	0.7	0	0	2.0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-3.7 In the last 30 days, have you used a raising seat or lift chair to help you in and out of chairs?**

Universe: All respondents

Pilot Study Question 44.6: In the last 30 days, have you used a special “raising seat” or lift chair to help you get in and out of chairs?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	2.8	1.5
2. NO	97.2	98.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	0	0	0.7	0.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent’s age group or presence of functional limitations.

**MO-3.8 In the last 30 days, have you used a portable urinal or commode, bedpan, or disposable pads?**

Universe: All respondents

Pilot Study Question 49.6: In the last 30 days, have you used a portable commode, bedpan or disposable diapers?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	5.6	3.4
2. NO	94.4	96.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	4.7	0	0.7	0.7

Respondents with no functional limitations were significantly more likely ( $p < .05$ ) to interrupt (6.7% of N=30)) compared to respondents with one or more functional limitations (0% of N=120). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**MO-3.9 In the last 30 days, have you used a modified washer or dryer?** Universe: All respondents

Pilot Study Question 49.7: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	1.7	1.2
2. NO	97.8	97.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.6	0.9

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	6.7	0	4.7	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-3.10 In the last 30 days, have you used adapted utensils or adapted appliances for cooking?**

Universe: All respondents

Pilot Study Question 49.8: In the last 30 days, have you used adapted utensils or appliances for cooking?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	3.1	2.5
2. NO	96.9	97.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	12.0	0	9.3	0.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-4.1 In the last 30 days, did you drive yourself places in a car, truck, or van?**

Universe: All respondents

Pilot Study Question 11.1: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	79.2	80.2
2. NO	20.8	19.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	8.0	0	2.0	1.3

Frequency of interviewer probing or giving definitions varied significantly ( $p < .05$ ) by respondents' age group: 50-64 years (0% of N=50); 65-79 years (7.8% of N=51); 80+ years (16.3% of N=49). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**MO-4.2a Does the vehicle you drove most often have a ramp or lift?** Universe: IF (MO-4.1=1)

Pilot Study Question 11.1a2: Does the car, truck or van that you used most often have a ramp or lift?

Frequency Distribution (N=285)

	Unweighted %	Weighted %
1. YES	2.5	4.3
2. NO	97.5	95.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 11.1=1)

Interviewer and Respondent Behaviors (N=121)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.7	1.7	0	2.5	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-4.2b Does the vehicle you drove most often have hand controls, pedal extenders, or a steering adaptation?** Universe: IF (MO-4.1=1)

Pilot Study Question 11.1a1: Does the car, truck or van that you used most often have hand controls, pedal extenders or a steering adaptation?

Frequency Distribution (N=285)

	Unweighted %	Weighted %
1. YES	3.2	2.1
2. NO	96.8	97.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 11.1=1)

Interviewer and Respondent Behaviors (N=121)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
5.8	8.3	0	5.0	1.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-4.3 In the last 30 days, did you use a paratransit service or transportation for people with disabilities?**

Universe: All respondents

Pilot Study Question 11.3: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	5.3	5.7
2. NO	94.7	94.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	5.3	0	4.0	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-5 Did you or your family pay any of the cost to buy or rent this item/these items?** Universe: IF (MO-2.1, 2.2, 2.3, (2.4 and 2.4a), 3.1, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 4.2a, OR 4.2b=1)

Pilot Study Question 53: Did you or your family pay some or all of the cost to buy or rent these items?

Frequency Distribution (N=336)

	Unweighted %	Weighted %
1. YES	85.1	85.7
2. NO	14.3	13.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.6	0.4

Pilot Study Universe: IF (Question 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, OR 49.9=1)

Interviewer and Respondent Behaviors (N=140)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.6	24.3	0	11.4	17.9

Frequency of interviewer probing or giving definitions varied significantly ( $p < .001$ ) by respondents' age group: 50-64 years (12.8% of N=47); 65-79 years (42.6% of N=47); 80+ years (17.4% of N=46). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**MO-6 About how much did you and your family pay altogether? Was it more than \$250, less than \$250, or just about \$250?** Universe: IF (MO-2.1, 2.2, 2.3, (2.4 and 2.4a), 3.1, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 4.2a, OR 4.2b=1) AND (MO-5=1)

Pilot Study Question 54: Not available. (The pilot test included thresholds of \$500, \$1000, and \$100.)

Frequency Distribution

	Unweighted %	Weighted %
1. more than \$250	NA	NA
2. less than \$250	NA	NA
3. just about \$250	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: NA

Interviewer and Respondent Behaviors

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**MO-7 Was it more than \$500, less than \$500 or just about \$500?** Universe: IF (MO-2.1, 2.2, 2.3, (2.4 and 2.4a), 3.1, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 4.2a, OR 4.2b=1) AND (MO-5=1) AND (MO-6=1)

Pilot Study Question 54: Same

Frequency Distribution (N=61)

	Unweighted %	Weighted %
1. more than \$500	57.4	43.4
2. less than \$500	31.2	46.7
3. just about \$500	11.5	9.9
-7. refused	0.0	0.0
-8. don't know	0.0	0.0

Pilot Study Universe: IF (Question 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, OR 49.9=1) AND (Question 53=1)

Interviewer and Respondent Behaviors (N=117)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.6	13.7	0.9	6.8	10.3

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MO-8 Was it more than \$100, less than \$100 or just about \$100?** Universe: IF (MO-2.1, 2.2, 2.3, (2.4 and 2.4a), 3.1, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 4.2a, OR 4.2b=1) AND (MO-5=1) AND (MO-6=2)

Pilot Study Question 56: Same

Frequency Distribution (N=185)

	Unweighted %	Weighted %
1. more than \$100	58.9	62.9
2. less than \$100	18.9	20.1
3. just about \$100	18.9	14.3
-7. refused	0.5	0.6
-8. don't know	2.7	2.1

Pilot Study Universe: IF (Question 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, OR 49.9=1) AND (Question 53=1) AND (Question 54=2)

Interviewer and Respondent Behaviors (N=68)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.9	4.4	1.5	1.5	1.5

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.



**MO-9 Did your health insurance or any other program pay any of the cost of {this item/these items}?**

Universe: IF (MO-2.1, 2.2, 2.3, (2.4 and 2.4a), 3.1, 3.3, 3.4, 3.5, 3.6, 3.7, 3.8, 3.9, 3.10, 4.2a, OR 4.2b=1)

Pilot Study Question 57: Did your health insurance or any other program pay some or all of the cost of these items?

Frequency Distribution (N=336)

	Unweighted %	Weighted %
1. YES	42.0	46.6
2. NO	56.8	52.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	1.2	0.9

Pilot Study Universe: IF (Question 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, OR 49.9=1)

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.1	15.0	1.4	2.9	1.4

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

# **MODULE C:**

## **EFFECTIVENESS/ PARTICIPATION MODULE**

## EFFECTIVENESS/PARTICIPATION MODULE

**EF-1 Because you use {this item/these items}, how much safer do you feel when you do your daily activities? Would you say no more, a little more, or a lot more?** Universe: IF (HE- 10.3b, HE- 12.2b, HE- 12.3b, HE- 12.4b, HE- 12.5b, HE- 13.2b, HE- 13.3b, OR HE- 14.1b= 1, 2, 3, 4) OR IF (HE-12.6, HE-14.2, MO-2.1, MO-2.2, MO-2.3, MO-2.4, MO-2.5, MO-3.1, MO-3.3, MO-3.4, MO-3.5, MO-3.6, MO-3.7, MO-3.8, MO-3.9, MO-3.10, MO-4.2a, OR MO-4.2b=1)

Pilot Study Question 59.1: Same

Frequency Distribution (N=350)

	Unweighted %	Weighted %
1. no more	16.3	20.1
2. a little more, or	24.0	26.3
3. a lot more?	55.4	50.6
4. DOES NOT APPLY	2.6	1.8
-7. REFUSED	0.3	0.1
-8. DON'T KNOW	1.4	1.0

Pilot Study Universe: IF (Question 18.3a, 18.4a, 23.3b, 25.2b, 25.3b, 26.2b, 27.1b, 27.2b, 27.3b, OR 28.1b = 1, 2, 3, 4) OR IF (Question 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9=1)

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
4.1	22.1	0	10.3	3.4

Frequency of interviewer probing or giving definitions differed significantly ( $p < .05$ ) by age group: 50-64 years (10.2% of N=49), 65-79 years (25.0% of N=48), 80+ years (31.3% of N=48). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**EF-2 Because you use {this item/these items}, how much more control do you have over your daily activities? Would you say no more, a little more, or a lot more?** Universe: IF (HE- 10.3b, HE- 12.2b, HE- 12.3b, HE- 12.4b, HE- 12.5b, HE-13.2b, HE- 13.3b, HE- 14.1b= 1, 2, 3, 4) OR IF (HE-12.6, HE-14.2, MO-2.1, MO-2.2, MO- 2.3, MO-2.4, MO-2.5, MO-3.1, MO-3.3, MO-3.4, MO-3.5, MO-3.6, MO-3.7, MO-3.8, MO-3.9, MO-3.10, MO- 4.2a, MO-4.2b=1)

Pilot Study Question 59.2: Same

Frequency Distribution (N=350)

	Unweighted %	Weighted %
1. no more	15.4	21.4
2. a little more	26.9	22.5
3. a lot more	54.6	54.0
4. DOES NOT APPLY	2.0	1.6
-7. REFUSED	0.3	0.1
-8. DON'T KNOW	0.9	0.4

Pilot Study Universe: IF (Question 18.3a, 18.4a, 23.3b, 25.2b, 25.3b, 26.2b, 26.3, 27.1b, 27.2b, 27.3b, 27.4b, 28.1b = 1, 2, 3, 4) OR IF (Question 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9=1)

Interviewer and Respondent Behaviors (N=145)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.8	11.7	0	2.8	1.4

Frequency of interviewer probing or giving definitions differed significantly ( $p < .05$ ) by age group: 50-64 years (2.0% of N=49), 65-79 years (14.6% of N=48), 80+ years (18.83% of N=48). Respondents with no functional limitations were significantly less likely ( $p < .05$ ) to be probed or given definitions (0% of N=28) compared to respondents with one or more functional limitations (14.5% of N=117). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**EF-3 Because you use {this item/these items}, how much more often do you take part in activities you enjoy? Would you say no more, a little more, or a lot more?** Universe: IF (HE- 10.3b, HE- 12.2b, HE- 12.3b, HE- 12.4b, HE- 12.5b, HE- 13.2b, HE- 13.3b, HE- 14.1b= 1, 2, 3, or 4) OR IF (HE-12.6, HE-14.2, MO-2.1, MO-2.2, MO-2.3, MO-2.4, MO-2.5, MO-3.1, MO-3.3, MO-3.4, MO-3.5, MO-3.6, MO-3.7, MO-3.8, MO-3.9, MO-3.10, MO-4.2a, MO-4.2b=1)

Pilot Study Question 59.3: Same

Frequency Distribution (N=350)

	Unweighted %	Weighted %
1. no more	28.9	29.2
2. a little more	21.4	18.6
3. a lot more	38.3	38.9
4. DOES NOT APPLY	7.1	7.6
-7. REFUSED	0.3	0.1
-8. DON'T KNOW	4.0	5.5

Pilot Study Universe: IF (Question 18.3a, 18.4a, 23.3b, 25.2b, 25.3b, NA, 26.2b, 27.1b, 27.2b, 27.3b, 27.4b, 28.1b = 1, 2, 3, 4) OR IF (Question 44.1, 44.2, 44.3, 44.4, 44.5, 44.6, 44.7, 49.1, 49.2, 49.3, 49.4, 49.5, 49.6, 49.7, 49.8, 49.9=1)

Interviewer and Respondent Behaviors (N=145)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
7.6	27.6	0.7	9.7	1.4

Frequency of respondents requesting clarification or a definition differed significantly ( $p < .05$ ) by age group: 50-64 years (0% of N=49), 65-79 years (12.5% of N=48), 80+ years (16.7% of N=48). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**MODULE D:**  
**COMMUNICATION TECHNOLOGY**  
**MODULE**

## COMMUNICATION TECHNOLOGY MODULE

**CO-1 In the last 30 days, have you used a computer?** Universe: All respondents

Pilot Study Question 61: Do you currently use a computer?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	55.8	63.1
2. NO	44.2	36.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	2.0	0	3.3	0.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**CO-2.1 Did any of the computers that you used have an extra large keyboard, buttons, or letters?**

Universe: IF (CO-1=1)

Pilot Study Question 64.1: Does this computer have an extra large keyboard, buttons, or letters?

Frequency Distribution (N=27)

	Unweighted %	Weighted %
1. YES	22.2	11.1
2. NO	77.8	88.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 61=1) AND (Question 62=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**CO-2.2 Did any of the computers that you used have an on screen keyboard or touch screen?**

Universe: IF (CO-1=1)

Pilot Study Question 64.2: Does this computer have an on screen keyboard or touch screen?

Frequency Distribution (N=27)

	Unweighted %	Weighted %
1. YES	11.1	7.7
2. NO	88.9	92.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 61=1) AND (Question 62=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**CO-2.3 Did any of the computers that you used have something other than a mouse to point at the screen?** Universe: IF (CO-1=1)

Pilot Study Question 64.4: Does this computer have something other than a mouse to point at the screen?

Frequency Distribution (N=27)

	Unweighted %	Weighted %
1. YES	3.7	2.2
2. NO	92.6	95.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	3.7	1.9

Pilot Study Universe: IF (Question 61=1) AND (Question 62=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA



**CO-2.4 Did any of the computers that you used have screen magnifier or software to enlarge objects on the screen?** Universe: IF (CO-1=1)

Pilot Study Question 64.5: Does this computer have a screen magnifier or software to enlarge objects on screen?

Frequency Distribution (N=27)

	Unweighted %	Weighted %
1. YES	40.7	44.9
2. NO	55.6	54.2
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	3.7	0.9

Pilot Study Universe: IF (Question 61=1) AND (Question 62=1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA

**CO-3.1 In the last 30 days, did you use a computer for banking or managing household finances?**

Universe: IF (CO-1=1)

Pilot Study Question 68.1: Same

Frequency Distribution (N= 201)

	Unweighted %	Weighted %
1. YES	39.3	44.5
2. NO	60.2	55.2
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.5	0.4

Pilot Study Universe: IF (Question 61=1)

Interviewer and Respondent Behaviors (N=77)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	3.9	0	1.3	0

Behavior code frequencies did not differ significantly (p>.05) by respondent's age group or presence of functional limitations

**CO-3.2 In the last 30 days, did you use a computer for ordering prescriptions?** Universe: IF (CO-1=1)

Pilot Study Question 68.5: Same

Frequency Distribution (N= 201)

	Unweighted %	Weighted %
1. YES	9.5	8.7
2. NO	90.1	91.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.5	0.4

Pilot Study Universe: IF (Question 61=1)

Interviewer and Respondent Behaviors (N= 77)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	0	0	0	0

Analyses by respondent's age group or presence of functional limitations could not be performed because behaviors did not occur.

**CO-3.3 In the last 30 days, did you use a computer for shopping for groceries?** Universe: IF (CO-1=1)

Pilot Study Question 68.3: Same

Frequency Distribution (N= 201)

	Unweighted %	Weighted %
1. YES	4.0	5.9
2. NO	95.5	93.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.5	0.4

Pilot Study Universe: IF (Question 61=1)

Interviewer and Respondent Behaviors (N=77)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	1.3	0	0	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations

**CO-3.4 In the last 30 days, did you use a computer for shopping for things other than prescriptions and groceries?** Universe: IF (CO-1=1)

Pilot Study Question 68.4: In the last 30 days, did you use a computer for shopping for things other than groceries?

Frequency Distribution (N=201)

	Unweighted %	Weighted %
1. YES	48.8	54.3
2. NO	50.8	45.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.5	0.4

Pilot Study Universe: IF (Question 61=1)

Interviewer and Respondent Behaviors (N=77)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	6.5	1.3	0	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**CO-3.5 In the last 30 days, did you use a computer for looking up health-related information?**

Pilot Study Universe: IF (CO-1=1)

Pilot Study Question 68.6: Same

Frequency Distribution (N= 201)

	Unweighted %	Weighted %
1. YES	62.7	56.3
2. NO	36.8	43.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.5	0.4

Pilot Study Universe: IF (Question 61=1)

Interviewer and Respondent Behaviors (N=77)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	3.9	0	5.2	1.3

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations

**CO-4 Do you have a cell phone?** Universe: All respondents

Pilot Study Question 70: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	49.7	53.2
2. NO	50.3	46.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N= 150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	5.3	0.7	3.3	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**CO-5 Did you get or change any of the telephones in your house so that you can make calls more easily or on your own?** Universe: All respondents

Pilot Study Question 72: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	18.3	11.1
2. NO	81.4	88.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.2

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.4	18.7	0.7	4.7	1.3

Frequency of interviewer probing or giving definitions varied significantly ( $p<.01$ ) by age group: 50-64 years (6.0% of N=50), 65-79 years (29.4% of N=51), 80+ years 20.4% of N=49). Other behavioral coding categories did not differ significantly ( $p>.05$ ) by age group or presence of functional limitations

**CO-6.1 Do any of your telephones have large buttons?** Universe: IF (CO-5=1)

Pilot Study Question 73.2: Same

Frequency Distribution (N=67)

	Unweighted %	Weighted %
1. YES	46.3	46.3
2. NO	52.2	53.5
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	1.5	0.2

Pilot Study Universe: IF (Question 72=1, -8)

Interviewer and Respondent Behaviors (N= 32)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	0	0	6.3	0

Frequency of respondent requesting clarification or definitions did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations. Analyses could not be performed on the other behavior codes because the behaviors did not occur.

**CO-6.2 Do any of your telephones have an amplifier or speaker phone?** Universe: IF (CO-5=1)

Pilot Study Question 73.3: Same

Frequency Distribution (N= 67)

	Unweighted %	Weighted %
1. YES	59.7	57.3
2. NO	40.3	42.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 72=1, -8)

Interviewer and Respondent Behaviors (N=32)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	9.4	0	0	3.1

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**CO-6.3 Do any of your telephones have TTY or text display device?** Universe: IF (CO-5=1)

Pilot Study Question 73.4: Same

Frequency Distribution (N=67)

	Unweighted %	Weighted %
1. YES	7.5	8.4
2. NO	88.1	89.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	4.5	2.3

Pilot Study Universe: IF (Question 72=1, -8)

Interviewer and Respondent Behaviors (N=32)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.1	12.5	0	18.8	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**CO-6.4 Do any of your telephones have a flashing ringer?** Universe: IF (CO-5=1)

Pilot Study Question 73.5: Same

Frequency Distribution (N=67)

	Unweighted %	Weighted %
1. YES	32.8	29.0
2. NO	67.2	71.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 72=1, -8)

Interviewer and Respondent Behaviors (N=32)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.1	6.3	0	3.1	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**CO-6.5 Do any of your telephones have voice activation/speech recognition?** Universe: IF (CO-5=1)

Pilot Study Question 73.6: Same

Frequency Distribution (N=67)

	Unweighted %	Weighted %
1. YES	7.5	8.7
2. NO	92.5	91.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 72=1, -8)

Interviewer and Respondent Behaviors (N=32)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.1	6.3	0	0	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**CO-7.1 In the last 30 days, did you use your computer for banking or managing household finances?**

Universe: All respondents

Pilot Study Question 77.1: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	30.3	29.6
2. NO	68.9	69.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.8	0.5

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
4.0	6.7	0	4.0	0.7

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**CO-7.2 In the last 30 days, did you use your telephone for ordering prescriptions?** Universe: All respondents

Pilot Study Question 77.5: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	60.8	57.4
2. NO	39.2	42.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
4.7	8.7	0	2.0	0.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**CO-7.3 In the last 30 days, did you use your telephone for shopping for groceries?** Universe: All respondents

Pilot Study Question 77.3: Same

Frequency Distribution (N= 360)

	Unweighted %	Weighted %
1. YES	4.4	3.1
2. NO	95.6	96.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	3.3	0	0.7	0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.



**CO-7.4 In the last 30 days, did you use your telephone for shopping for things other than prescriptions and groceries?** Universe: All respondents

Pilot Study Question 77.4: In the last 30 days, did you use your telephone for shopping for things other than groceries?

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	27.2	29.2
2. NO	72.5	70.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.2

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	4.7	0	2.0	0.7

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations.

**MODULE E:**

**RESIDUAL ADL AND IADL  
DIFFICULTY MODULE**

## RESIDUAL ADL and IADL DIFFICULTY MODULE

**RD-1 {Using your cane, walker, wheelchair, special bed or chair, trapeze, lift or sling, raising seat or lift chair, h/H}ow much difficulty do you have getting out of a bed or chair by yourself? Would you say none, some, a lot, or are you unable to do this by yourself? Universe: All respondents**

Pilot Study Question 79.1c: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. none	68.9	78.6
2. some	26.7	18.3
3. a lot	3.3	2.7
4. unable	0.6	0.2
5. NEVER DOES WITHOUT HELP	0.3	0.1
-7. REFUSED	0.3	0.1
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N= 150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	12.0	0.7	0	11.3

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**RD-2 {Using your cane, walker, wheelchair, scooter, elevator, chair lift or stair glide, handrails in the staircases or handrails in the hallway, h/H}ow much difficulty do you have getting around your {home/home or building} by yourself? Would you say none, some, a lot, or are you unable to do this by yourself? Universe: All respondents**

Pilot Study Question 79.2c: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. none	83.1	87.4
2. some	14.2	11.0
3. a lot	2.2	1.4
4. unable	0.0	0.0
5. NEVER DOES WITHOUT HELP	0.0	0.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.6	0.2

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.3	5.3	0	2.0	10.0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**RD-3 {Using your cane, walker, wheelchair, scooter or ramp, h/H}ow much difficulty do you have leaving your {home/building} by yourself? Would you say none, some, a lot, or are you unable to do this by yourself? Universe: All respondents**

Pilot Study Question 79.3c: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. none	81.1	85.5
2. some	10.8	8.1
3. a lot	4.4	2.6
4. unable	2.5	3.1
5. NEVER DOES WITHOUT HELP	1.1	0.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
4.0	5.3	0	2.0	7.3

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**RD-4 {Using your grab bars, shower or bath seat, h/H}ow much difficulty do you have showering or bathing by yourself? Would you say none, some, a lot, or are you unable to do this by yourself?**

Universe: All respondents

Pilot Study Question 79.4c: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. none	82.5	88.2
2. some	12.8	7.8
3. a lot	2.2	2.4
4. unable	1.1	0.6
5. NEVER DOES WITHOUT HELP	1.4	1.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.3	4.0	0	0.7	10.0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**RD-5 {Using your grab bars around the toilet or raised or modified toilet seat, h/H}ow much difficulty do you have using the toilet by yourself, including getting on and off? Would you say none, some a lot, or are you unable to do this by yourself? Universe: All respondents**

Piloted Version Question 79.5c: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. none	91.1	94.2
2. some	6.4	3.6
3. a lot	1.9	1.9
4. unable	0.3	0.2
5. NEVER DOES WITHOUT HELP	0.0	0.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.1

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	5.3	0	1.3	12.0

Behavior code frequencies did not differ significantly ( $p > .05$ ) by respondent's age group or presence of functional limitations

**RD-6.1a In the last 30 days, did you prepare any meals?** Universe: All respondents

Pilot Study Question 80.1a: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	80.8	86.2
2. NO	19.2	13.8
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.7	6.7	0.7	4.7	2.0

Respondents with no functional limitations were significantly more likely ( $p < .05$ ) to be probed or given definitions (16.7% of N=30) compared to respondents with one or more functional limitations (4.2% of N=120). Respondents with no functional limitations were also significantly more likely ( $p < .01$ ) to request clarifications or definitions (16.7% of N=30) compared to respondents with one or more functional limitations (1.7% of N=120). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**RD-6.1b {Using your adapted utensils or adapted appliances, h/H}ow much difficulty do you have preparing meals by yourself? Would you say none, some, a lot, or are you unable to do this by yourself? Universe: IF RD 6.1a=1)**

Pilot Study Question 80.1b: Same

Frequency Distribution (N=291)

	Unweighted %	Weighted %
1. none	80.8	87.3
2. some	15.5	10.5
3. a lot	3.4	2.1
4. are you unable to do this by yourself	0.0	0.0
5. NEVER DOES WITHOUT HELP	0.0	0.0
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.1

Pilot Study Universe: IF (Question 80.1a=1)

Interviewer and Respondent Behaviors (N=119)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.7	4.2	0	0.8	11.8

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**RD-6.2a In the last 30 days, did you shop for groceries? Universe: All respondents**

Pilot Study Question 80.2a: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	85.0	87.3
2. NO	15.0	12.7
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0.7	4.7	0.7	0.7	0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations

**RD-6.2b {Using your cane, walker, wheelchair, scooter, electric cart at the store, computer or telephone, h/H}ow much difficulty do you have shopping for groceries by yourself? Would you say none, some, a lot, or are you unable to do this by yourself? Universe: IF (RD-6.2a=1)**

Pilot Study Question 80.2b: Same

Frequency Distribution (N=306)

	Unweighted %	Weighted %
1. none	78.8	85.2
2. some	13.1	8.1
3. a lot	5.2	3.4
4. are you unable to do this by yourself	1.6	2.4
5. NEVER DOES WITHOUT HELP	1.3	0.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: IF (Question 80.2a=1)

Interviewer and Respondent Behaviors (N=130)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
3.8	5.4	0.8	3.1	9.2

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**RD-6.3a In the last 30 days, did you spend any time managing your money, such as keeping track of expenses or paying bills? Universe: All respondents**

Pilot Study Question 80.3a: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. YES	86.9	90.1
2. NO	13.1	9.9
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.0	0.0

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
0	14.7	0	10.7	2.0

Behavior code frequencies did not differ significantly ( $p>.05$ ) by respondent's age group or presence of functional limitations.

**RD-6.3b {Using your vision aids other than glasses, computer or telephone, h/H}ow much difficulty do you have managing your money by yourself? Universe: IF (RD-6.3a=1)**

Pilot Study Question 80.3b: Same

Frequency Distribution (N=313)

	Unweighted %	Weighted %
1. none	87.9	91.5
2. some	9.9	7.0
3. a lot	1.3	0.7
4. are you unable to do this by yourself	0.0	0.0
5. NEVER DOES WITHOUT HELP	0.6	0.6
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.3	0.2

Pilot Study Universe: IF (Question 80.3a=1)

Interviewer and Respondent Behaviors (N=131)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
1.5	3.8	0	3.1	8.4

Frequency of interviewer probing or giving definitions varied significantly by age group ( $p < .05$ ): 50-64 years (0% of N=43), 65-79 years (2.1% of N=47), 80+ years (9.8% of N=41). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**RD-6.4a In the last 30 days, did you go places outside of walking distance? Universe: IF (HE-2^=5) AND (MO-4.1^=1) AND (MO-4.3^=1)**

Pilot Study Question 80.4a: Same

Frequency Distribution: Not reported due to inadequate sample size.

	Unweighted %	Weighted %
1. YES	NA	NA
2. NO	NA	NA
-7. REFUSED	NA	NA
-8. DON'T KNOW	NA	NA

Pilot Study Universe: IF (Question 43= ^=5) AND (Question 11.1 ^=1) AND (Question 11.2 ^=1) AND (Question 11.3 ^=1) AND (Question 14.6^ = 1)

Interviewer and Respondent Behaviors: Not reported due to inadequate sample size (N<20)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
NA	NA	NA	NA	NA



**RD-6.4b {Using your car, adapted car, paratransit service h/H}ow much difficulty do you have getting places outside of walking distance by yourself? Would you say none, some, a lot, or are you unable to do this by yourself? Universe: IF (HE-2^=5 AND RD-6.4a^=2)**

Pilot Study Question 80.4b: Same

Frequency Distribution (N=360)

	Unweighted %	Weighted %
1. none	76.9	80.5
2. some	11.4	7.5
3. a lot	4.4	3.6
4. are you unable to do this by yourself	4.4	4.4
5. NEVER DOES WITHOUT HELP	1.9	3.3
-7. REFUSED	0.0	0.0
-8. DON'T KNOW	0.8	0.7

Pilot Study Universe: All respondents

Interviewer and Respondent Behaviors (N=150)

Interviewer Behaviors (Unweighted %)		Respondent Behaviors (Unweighted %)		
Changed wording	Probed or provided definition	Gave qualified or inadequate answer	Requested definition or clarification	Interrupted
2.0	10.7	0	6.0	6.7

Respondents with no functional limitations were significantly ( $p < .05$ ) less likely to be probed or given definitions (0% of N=30) than respondent with one or more functional limitations (13.3% of N=120). Other behavioral coding categories did not differ significantly ( $p > .05$ ) by age group or presence of functional limitations.

**APPENDIX I:**

**CROSSWALK OF QUESTION  
NUMBERS FROM PILOT TEST  
AND FINAL RECOMMENDED  
MODULES**

# CROSSWALK OF QUESTION NUMBERS FROM PILOT TEST AND FINAL RECOMMENDED MODULES

	Piloted Q. number	Final Q. number	Notes
<b>HOME MODULE</b>			
<b>HOME</b>			
home part of building w/2+ units	15	HE-1	+
how often left home/building	43	HE-2	*
<b>ENTRANCE AND INSIDE BUILDING</b>			
have to use steps	16	HE-3	*
common entrance	17	HE-4	*
building entry features	[18]	[HE-5]	
lighting	18.1	HE-5.1	*
handrails	18.2	HE-5.2	
ramp	18.3	HE-5.3	
how often used	18.3a	HE-5.3a	&
automatic doors	18.4	HE-5.4	
building more than one story	19	HE-6	
live on first floor	20	HE-7	*
have elevator	21	HE-8	
<b>ENTRANCE TO HOME</b>			
have to use steps	22	HE-9	*
entry features	[23]	[HE-10]	
lighting	23.1	HE-10.1	*
handrails	23.2	HE-10.2	
there/added	23.2a	HE-10.2a	*
ramp	23.3	HE-10.3	
there/added	23.3a	HE-10.3a	
used in last 30 days	23.3b	HE-10.3b	&
<b>INSIDE HOME</b>			
living space on one floor	24	HE-11	+
home features	[25]	[HE-12]	+
bed, kitchen, bath same floor	25.1	HE-12.1	*+
elevator	25.2	HE-12.2	
there/added	25.2a	HE-12.2a	
how often used	25.2b	HE-12.2b	
chair lift	25.3	HE-12.3	+
there/added	25.3a	HE-12.3a	*+
how often used	25.3b	HE-12.3b	+

	Piloted Q. number	Final Q. number	Notes
handrails on stairs	NA	HE-12.4	+
there/added	NA	HE-12.4a	+
how often used	NA	HE-12.4b	+
handrails in hallway	26.2	HE-12.5	*+
there/added	26.2a	HE-12.5a	*+
how often used	26.2b	HE-12.5b	+
call system	26.3	HE-12.6	*+
there/added	26.3a	HE-12.6a	*+
used in last 30 days	26.3b	HE-12.6b	+
<b>BATHROOM FEATURES</b>			
stall shower separate from tub	27.1	HE-13.1	*+
how often used	27.1b	HE-13.1b	*
grab bars in shower or tub area	27.2	HE-13.2	*+
there/added	27.2a	HE-13.2a	*+
how often used	27.2b	HE-13.2b	+
seat or stool	27.3	HE-13.3	*+
there/added	NA	HE-13.3a	+
how often used	27.3b	HE-13.3b	*+
hand held showerhead	27.4	HE-13.4	*
grab bars around toilet	28.1	HE-14.1	*+
there/added	28.1a	HE-14.1a	*+
how often used	28.1b	HE-14.1b	+
raised or modified toilet seat	28.2	HE-14.2	*+
there/added	NA	HE-14.2a	+
<b>COST OF MODIFICATIONS</b>			
review modifications added	34	HE-15-INTRO	
family or self pay	36	HE-15	*&
how much 1 (\$500)	37	HE-16	&
how much 2 (\$1,000)	38	HE-17	&
how much 3 (\$100)	39	HE-18	&
insurance pay	40	HE-19	*&
<b>MOBILITY AND OTHER DEVICES MODULE</b>			
<b>INDOOR AND OUTDOOR MOBILITY</b>			
Screen (global item)	1	MO-1	+
cane	44.1	MO-2.1	&+
transfer use	44.1a	MO-2.1a	&+
inside use	44.1b	MO-2.1b	&+
outside use	44.1c	MO-2.1c	&+
walker	44.2	MO-2.2	&+
transfer use	44.2a	MO-2.2a	&+
inside use	44.2b	MO-2.2b	&+
outside use	44.2c	MO-2.2c	&+

	Piloted Q. number	Final Q. number	Notes
wheelchair	44.3	MO-2.3	&+
transfer use	44.3a	MO-2.3a	&+
inside use	44.3b	MO-2.3b	&+
outside use	44.3c	MO-2.3c	&+
scooter	44.4	MO-2.4	&+
own or rent	NA	MO-2.4a	+
inside use	44.4b	MO-2.4b	&+
outside use	44.4c	MO-2.4c	&+
motorized scooter in store	49.9	MO-2.5	*+
<b>OTHER DEVICES</b>			
hearing aid	49.1	MO-3.1	+
glasses	49.2	MO-3.2	+
vision aids other than glasses	49.3	MO-3.3	+
reacher or grabber	49.4	MO-3.4	+
special bed	49.5	MO-3.5	
trapeze, lift, or sling	44.7	MO-3.6	*
raising seat	44.6	MO-3.7	*
portable commode	49.6	MO-3.8	*
modified washer or dryer	49.7	MO-3.9	
adapted utensils	49.8	MO-3.10	*
<b>TRANSPORTATION</b>			
drive self	11.1	MO-4.1	
ramp or lift	11.1a2	MO-4.2a	*
hand controls, etc.	11.1a1	MO-4.2b	*
paratransit	11.3	MO-4.3	
<b>COST OF MOBILITY/OTHER DEVICES</b>			
review devices used	52	MO-5-INTRO	
family or self pay	53	MO-5	*&
how much 1 (\$250)	NA	MO-6	
how much 2 (\$500)	54	MO-7	&
how much 3 (\$100)	56	MO-8	&
insurance pay	57	MO-9	*&
<b>EFFECTIVENESS/PARTICIPATION MODULE</b>			
review devices and features used	58	EF-1-INTRO	
safer	59.1	EF-1	&
more control	59.2	EF-2	&
take part in activities	59.3	EF-3	&
<b>COMMUNICATION TECHNOLOGY MODULE</b>			
<b>COMPUTERS</b>			
use a computer	61	CO-1	*

	Piloted Q. number	Final Q. number	Notes
computer features	[64]	[CO-2]	
large keyboard	64.1	CO-2.1	*
on screen keyboard	64.2	CO-2.2	*
pointing device	64.4	CO-2.3	*
screen magnifier/software	64.5	CO-2.4	*
what computer used for	[68]	[CO-3]	
finances	68.1	CO-3.1	
ordering prescriptions	68.5	CO-3.2	
shopping for groceries	68.3	CO-3.3	
shopping other	68.4	CO-3.4	*
health information	68.6	CO-3.5	
<b>TELEPHONES</b>			
have cell phone	70	CO-4	
modify phone	72	CO-5	
any of following features	[73]	[CO-6]	
large buttons	73.2	CO-6.1	&
amplifier	73.3	CO-6.2	&
TTY or text display device	73.4	CO-6.3	&
flashing ringer	73.5	CO-6.4	&
voice activation	73.6	CO-6.5	&
what use phone for	[77]	[CO-7]	
finances	77.1	CO-7.1	
ordering prescriptions	77.5	CO-7.2	
shopping groceries	77.3	CO-7.3	
shopping other	77.4	CO-7.4	*
<b>RESIDUAL DIFFICULTY MODULE</b>			
<b>Activities of Daily Living (ADLs)</b>			
difficulty getting out of a bed or chair by yourself	79.1c	RD-1	
difficulty getting around home by yourself	79.2c	RD-2	
difficulty leaving home/building by yourself	79.3c	RD-3	
difficulty bathing/showering by yourself	79.4c	RD-4	
difficulty using toilet by yourself	79.5c	RD-5	
<b>Instrumental Activities of Daily Living (IADLS)</b>			
preparing meals	80.1a	RD-6.1a	
difficulty by yourself	80.1b	RD-6.1b	
shopping for groceries	80.2a	RD-6.2a	
difficulty by yourself	80.2b	RD-6.2b	
managing money	80.3a	RD-6.3a	
difficulty by yourself	80.3b	RD-6.3b	
going places outside walking distance	80.4a	RD-6.4a	&
difficulty by yourself	80.4b	RD-6.4b	&

NA=Not applicable (question not in pilot)

\* = Question edited slightly after pilot testing

& = Universe for recommended question differs from that in pilot study

+ = Question recommended in 2-minute module

## **APPENDIX II:**

# **TECHNOLOGY AND AGING PILOT SURVEY: INSTRUMENT FOR THE PILOT STUDY**

# **Technology and Aging Pilot Survey**

## **INSTRUMENT FOR THE PILOT STUDY**

**2/15/2005**

The development of this instrument was funded by the Department of Health and Human Service's Office of the Assistant Secretary of Planning and Evaluation in cooperation with the National Institute on Aging (R01-14346) and the National Center for Health Statistics. Address correspondence to: Vicki A. Freedman, Ph.D., Professor, Department of Health Systems and Policy, University of Medicine and Dentistry of New Jersey-School of Public Health, 335 George Street, Suite 2200, New Brunswick, NJ 08903, [vfreedman@umdnj.edu](mailto:vfreedman@umdnj.edu).



**GLOBAL/GENERAL QUESTIONS ABOUT AT USE**

We are interested in learning about the items you have and use to make your daily activities easier, safer, or so you can do them on your own.

- 1. In the last 30 days, have you used a cane, walker, wheelchair, or scooter, yes or no?
  - Yes
  - No
  - Don't know
  - Refused
  
- 2. In the last 30 days, have you used a hearing aid or a vision aid other than glasses, yes or no?
  - Yes
  - No
  - Don't know
  - Refused
  
- 3. Sometimes people have features in their home that help them to live there more easily, safely, or on their own. Does your home have \_\_\_\_\_

3.1 a ramp or handrails at the entrance?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
3.2 a stair glide, chair lift, or support rails in the hallway?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
3.3 a bath or shower seat, raised toilet seat or grab bars in the bathroom?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused

INTERVIEWER CHECK POINT: IF R ANSWERS YES TO Question 3.1, 3.2, OR 3.3, ASK Question 4, OTHERWISE GO TO 7.

- 4. Were all of these features there when you moved in or were some or all of them added?
  - All were there when moved in
  - Some or all were added
  - Don't know
  - Refused
  
- 5. In the last 30 days, did you use any of these features, yes or no?
  - Yes
  - No
  - Don't know
  - Refused

**[NOTE: Question 6 HAS BEEN DELETED]**

**NEIGHBORHOODS AND TRANSPORTATION**

7. Now I'd like to ask you some questions about your neighborhood. Does your neighborhood have sidewalks?

- Yes [GO TO 8]
  - No
  - Don't know
  - Refused
- } [GO TO 10]

8. Do any of the sidewalks in your neighborhood have cuts or ramps that may help someone in a wheelchair get on or off the curb?

- Yes
- No
- Don't know
- Refused

9. Do any of the sidewalks have uneven pavement, loose gravel or cracks?

- Yes
- No
- Don't know
- Refused

10. In the last 30 days, how often did you walk or ride in a wheelchair or scooter around your neighborhood? Would you say \_\_\_\_\_? [INTERVIEWER READ RESPONSE OPTIONS EXCEPT DON'T KNOW AND REFUSED]

- Every day or almost every day
- Several times per week
- Once a week
- Less than once a week
- Never
- Don't know
- Refused

11. The next questions are about how you get to and from places.

<p><b>11.1 In the last 30 days, did you drive yourself places in a car, truck or van?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes [GO TO 11.1a]</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Don't know</li> <li><input type="checkbox"/> Refused</li> </ul> <p style="margin-left: 150px;">} [GO TO 11.2]</p>	<p><b>11.1a Does the car, truck or van that you used most often have _____?</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 2px;">1) Hand controls, pedal extenders, or a steering adaptation</td> <td style="padding: 2px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused         </td> </tr> <tr> <td style="padding: 2px;">2) A ramp or lift</td> <td style="padding: 2px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused         </td> </tr> <tr> <td style="padding: 2px;">3) Enough room for a wheelchair</td> <td style="padding: 2px;"> <input type="checkbox"/> Yes <input type="checkbox"/> No  <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused         </td> </tr> </table> <p>[GO TO 11.3]</p>	1) Hand controls, pedal extenders, or a steering adaptation	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused	2) A ramp or lift	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused	3) Enough room for a wheelchair	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
1) Hand controls, pedal extenders, or a steering adaptation	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused						
2) A ramp or lift	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused						
3) Enough room for a wheelchair	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused						

<p><b>11.2 In the last 30 days, did you ride as a passenger with family or friends?</b></p> <p><input type="checkbox"/> Yes [GO TO 11.2a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused } [GO TO 11.3]</p>	<p><b>11.2a Does the car, truck or van that you rode in most often have _____?</b></p> <table border="1"> <tr> <td>1) A ramp or lift</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused</td> </tr> <tr> <td>2) Enough room for a wheelchair</td> <td><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused</td> </tr> </table> <p>[GO TO 11.3]</p>	1) A ramp or lift	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused	2) Enough room for a wheelchair	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
1) A ramp or lift	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused				
2) Enough room for a wheelchair	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused				
<p><b>11.3 In the last 30 days, did you use a paratransit service or transportation for people with disabilities?</b></p> <p><input type="checkbox"/> Yes [GO TO 12]</p> <p><input type="checkbox"/> No [GO TO 11.3a]</p> <p><input type="checkbox"/> Don't know  <input type="checkbox"/> Refused } [GO TO 12]</p>	<p><b>11.3a Is this service available in your neighborhood?</b></p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 12]</p>				

**CHARACTERISTICS OF HOME**

**12.** Next I have some questions about your home. How long have you lived in this home?  
\_\_\_\_\_ Years or Since \_\_\_\_\_(Year)

**13.** Is your home part of a community especially for older or retired people or for people with disabilities?

- Yes [GO TO 14]
  - No
  - Don't know
  - Refused
- } GO TO 15]

**14.** Whether or not you use them, does this community offer any of the following services?

<b>Services</b>	
<p><b>14.1</b> Meals served in a group dining room</p> <p><input type="checkbox"/> Yes [GO TO 14.1a]</p> <p><input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused  [GO TO 14.2]</p>	<p><b>14.1a</b> Did you use this service in the last 30 days?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused</p> <p>[GO TO 14.2 – NEXT SERVICE]</p>

<p><b>14.2</b> Help with bathing, dressing or eating  <input type="checkbox"/> Yes [go to 14.2a]  <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused  [GO TO 14.3]</p>	<p><b>14.2a</b> Did you use this service in the last 30 days?  <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused  [GO TO 14.3 – NEXT SERVICE]</p>
<p><b>14.3</b> Nursing care or on-site nurse  <input type="checkbox"/> Yes [go to 14.3a]  <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused  [GO TO 14.4]</p>	<p><b>14.3a</b> Did you use this service in the last 30 days?  <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused  [GO TO 14.4 – NEXT SERVICE]</p>
<p><b>14.4.</b> Laundry service  <input type="checkbox"/> Yes [GO TO 14.4a]  <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused  [GO TO 14.5]</p>	<p><b>14.4a</b> Did you use this service in the last 30 days?  <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused  [GO TO 14.5 – NEXT SERVICE]</p>
<p><b>14.5</b> Housekeeping service  <input type="checkbox"/> Yes [GO TO 14.5a]  <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused  [GO TO 14.6]</p>	<p><b>14.5a</b> Did you use this service in the last 30 days?  <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused  [GO TO 14.6 – NEXT SERVICE]</p>
<p><b>14.6</b> Van or shuttle service  <input type="checkbox"/> Yes [GO TO 14.6a]  <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused  [GO TO 15]</p>	<p><b>14.6a</b> Did you use this service in the last 30 days?  <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused  [GO TO 15]</p>

**15.** Is your home part of a building that has two or more apartments or units with a common or shared entrance?

Yes [GO TO 16 – NEXT PAGE]

No  
 Don't know  
 Refused
} [GO TO 22 - ENTRANCE TO HOME - PAGE 7]

**ENTRANCE AND INSIDE OF BUILDING**

16. Thinking about the entrance you use most often, do you have to use stairs or step up to get into your building from outside?

- Yes
- No
- Don't know
- Refused

17. Is this entrance a common or shared entrance or is it an entrance directly into your home?

- Common or shared entrance [GO TO 18]
  - Entrance directly into home
  - Don't know
  - Refused
- } [GO TO 23]

18. Does this entrance have \_\_\_\_\_ ?

<p><b>18.1 Working lights on the pathway or outside the entrance</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Don't Know</li> <li><input type="checkbox"/> Refused</li> </ul>		
<p><b>18.2 Handrails leading to the entrance</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Don't Know</li> <li><input type="checkbox"/> Refused</li> </ul>		
<p><b>18.3 A ramp</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes [GO TO 18.3i]</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Don't Know</li> <li><input type="checkbox"/> Refused</li> </ul> <p style="margin-left: 150px;">} [GO TO 18.4]</p>	<p><b>18.3i. Was the ramp there when you moved in or was it added?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There when moved in</li> <li><input type="checkbox"/> Added</li> <li><input type="checkbox"/> Don't know</li> <li><input type="checkbox"/> Refused</li> </ul> <p>[GO TO 18.3a]</p>	<p><b>18.3a In the last 30 days when you left your home, did you use the ramp every time, most times, sometimes, rarely, or never?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Every time</li> <li><input type="checkbox"/> Most times</li> <li><input type="checkbox"/> Sometimes</li> <li><input type="checkbox"/> Rarely</li> <li><input type="checkbox"/> Never</li> <li><input type="checkbox"/> Didn't leave home</li> <li><input type="checkbox"/> Don't know</li> <li><input type="checkbox"/> Refused</li> </ul>
<p><b>18.4 Automatic doors</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes [GO TO 18.4i]</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Don't Know</li> <li><input type="checkbox"/> Refused</li> </ul> <p style="margin-left: 150px;">} [GO TO 19]</p>	<p><b>18.4i. Were the automatic doors there when you moved in or were they added?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There when moved in</li> <li><input type="checkbox"/> Added</li> <li><input type="checkbox"/> Don't know</li> <li><input type="checkbox"/> Refused</li> </ul> <p>[GO TO 18.4a]</p>	<p><b>18.4a In the last 30 days when you left your home, did you use the automatic doors every time, most times, sometimes, rarely, or never?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Every time</li> <li><input type="checkbox"/> Most times</li> <li><input type="checkbox"/> Sometimes</li> <li><input type="checkbox"/> Rarely</li> <li><input type="checkbox"/> Never</li> <li><input type="checkbox"/> Didn't leave home</li> <li><input type="checkbox"/> Don't know</li> <li><input type="checkbox"/> Refused</li> </ul>

19. Is your building more than one story?

- Yes [GO TO 20]
  - No
  - Don't know
  - Refused
- } [GO TO 24– INSIDE THE HOME – NEXT PAGE]

20. Is your home on the same floor as the entrance to the building you use most often?

- Yes [GO TO 24– INSIDE THE HOME – NEXT PAGE]
  - No
  - Don't know
  - Refused
- } [GO TO 21]

21. Does your building have an elevator?

- Yes
  - No
  - Don't know
  - Refused
- } [GO TO 24– INSIDE THE HOME – NEXT PAGE]

**ENTRANCE TO HOME**

22. Thinking about the entrance you use most often, do you have to use stairs or step up to get into your home from outside?

- Yes
- No
- Don't know
- Refused

23. Does this entrance have \_\_\_\_\_ ?

<b>FEATURES</b>		
<p><b>23.1 Working lights on the pathway or outside the entrance</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes [GO TO 23.1a]</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Don't Know</li> <li><input type="checkbox"/> Refused</li> </ul> <p style="margin-left: 150px;">} [GO TO 23.2]</p>	<p><b>23.1a Was the lighting there when you moved in or was it added?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There when moved in</li> <li><input type="checkbox"/> Added</li> <li><input type="checkbox"/> Don't know</li> <li><input type="checkbox"/> Refused</li> </ul> <p>[GO TO 23.2 – NEXT FEATURE]</p>	
<p><b>23.2 Handrails leading to the entrance</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Yes [GO TO 23.2a]</li> <li><input type="checkbox"/> No</li> <li><input type="checkbox"/> Don't Know</li> <li><input type="checkbox"/> Refused</li> </ul> <p style="margin-left: 150px;">} [GO TO 23.3]</p>	<p><b>23.2a Were the handrails there when you moved in or were they added?</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> There when moved in</li> <li><input type="checkbox"/> Added</li> <li><input type="checkbox"/> Don't know</li> <li><input type="checkbox"/> Refused</li> </ul> <p>[GO TO 23.3 – NEXT FEATURE]</p>	

<p><b>23.3 A ramp</b></p> <p><input type="checkbox"/> Yes [GO TO 23.3a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know } [GO TO 24]  <input type="checkbox"/> Refused</p>	<p><b>23.3a Was the ramp there when you moved in or was it added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 23.3b]</p>	<p><b>23.3b In the last 30 days when you left your home, did you use the ramp every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Didn't leave home  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
--	---	--

**INSIDE THE HOME**

**24.** Now I'd like to ask you some questions about the inside of your home. Is your living space on more than one floor?

- Yes [GO TO 25]  
 No  
 Don't know } [GO TO 26 –PAGE 9]  
 Refused

**25.** Whether or not you use them, does your home have \_\_\_\_\_ ?

<p><b>25.1 a bedroom, kitchen, and bath on same floor</b></p> <p><input type="checkbox"/> Yes [GO TO 25.1a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know } [GO TO 25.2]  <input type="checkbox"/> Refused</p>	<p><b>25.1a Was this feature there when you moved in or was it added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "WHETHER OR NOT YOU USE IT, DOES YOUR HOME HAVE _____" AND FILL IN BLANK WITH ITEM IN 25.2</p>	
--	--	--

<p><b>25.2 an elevator ?</b></p> <p><input type="checkbox"/> Yes [GO TO 25.2a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 25.3]</p>	<p><b>25.2a Was the elevator there when you moved in or was it added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused  [GO TO 25.2b]</p>	<p><b>25.2b In the last 30 days when you went upstairs or downstairs, did you use the elevator every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Didn't go upstairs  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused  [Read intro "WHETHER OR NOT YOU USE IT, DOES YOUR HOME HAVE _____" AND FILL IN BLANK WITH ITEM IN 25.3]</p>
<p><b>25.3 a chair lift or stair glide?</b></p> <p><input type="checkbox"/> Yes [GO TO 25.3a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 26]</p>	<p><b>25.3a Was the chair lift or stair glide there when you moved in or was it added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused  [GO TO 25.3b]</p>	<p><b>25.3b In the last 30 days when you went upstairs or downstairs, did you use the chair lift or stair glide every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Didn't go up stairs  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused  [GO TO 26]</p>

26. Whether or not you use them, does your home have \_\_\_\_\_?

<p><b>26.1 Widened hallways or doorways (4 feet wide)</b></p> <p><input type="checkbox"/> Yes [GO TO 26.1a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 26.2]</p>	<p><b>26.1a Was this feature there when you moved in or was it added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused  [Read intro "WHETHER OR NOT YOU USE IT, DOES YOUR HOME HAVE _____" AND FILL IN BLANK WITH ITEM IN 26.2]</p>	
--	---	--



<p><b>26.2 Support or grab rails in the hallway</b></p> <p><input type="checkbox"/> Yes [GO TO 26.2a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 26.3]</p>	<p><b>26.2a Were these rails there when you moved in or were they added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 26.2b]</p>	<p><b>26.2b In the last 30 days, when you went down the hallway, did you use the rails every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read into "WHETHER OR NOT YOU USE IT, DOES YOUR HOME HAVE _____" AND FILL IN BLANK WITH ITEM IN 26.3]</p>
<p><b>26.3 An emergency call or personal response system to help if you fall?</b></p> <p><input type="checkbox"/> Yes [GO TO 26.3a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 27]</p>	<p><b>26.3a Was the system there when you moved in or was it added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 26.3b]</p>	<p><b>26.3b In the last 30 days, have you used this system to call for help?</b></p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 27]</p>

**HOME: BATHROOM FEATURES, BATHING, TOILETING**

27. The next questions are about the bathroom you use most often to bathe or shower. Whether or not you use them, does this bathroom have \_\_\_\_\_?

<p><b>27.1 a stall shower separate from a tub</b></p> <p><input type="checkbox"/> Yes [GO TO 27.1a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 27.2]</p>	<p><b>27.1a Was this shower there when you moved in or was it added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 27.1b]</p>	<p><b>27.1b In the last 30 days, when you bathed or showered, did you use this shower every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "WHETHER OR NOT YOU USE IT, DOES THIS BATHROOM HAVE _____" AND FILL IN BLANK WITH ITEM IN 27.2]</p>
<p><b>27.2 grab bars in the shower or tub area</b></p> <p><input type="checkbox"/> Yes [GO TO 27.2a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 27.3]</p>	<p><b>27.2a Were these grab bars there when you moved in or were they added?</b></p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 27.2b]</p>	<p><b>27.2b In the last 30 days, when you bathed or showered did you use the grab bars every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "WHETHER OR NOT YOU USE IT, DOES THIS BATHROOM HAVE _____" AND FILL IN BLANK WITH ITEM IN 27.3]</p>

<p><b>27.3 a seat, bench, or stool for the shower or tub</b></p> <p><input type="checkbox"/> Yes [GO TO 27.3b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 27.4]</p>		<p><b>27.3b</b> In the last 30 days, when you bathed or showered, did you use this seat, bench, or stool every time, most times, sometimes, rarely, or never?</p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read into WHETHER OR NOT YOU USE IT, DOES THIS BATHROOM HAVE _____ " AND FILL IN BLANK WITH ITEM IN 27.4]</p>
<p><b>27.4 an extended, long or handheld showerhead</b></p> <p><input type="checkbox"/> Yes [GO TO 27.4a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 27.5]</p>	<p><b>27.4a</b> Was this feature there when you moved in or was it added?</p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 27.4b]</p>	<p><b>27.4b</b> In the last 30 days, when you bathed or showered, did you use this showerhead every time, most times, sometimes, rarely, or never?</p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read into WHETHER OR NOT YOU USE IT, DOES THIS BATHROOM HAVE _____ " AND FILL IN BLANK WITH ITEM IN 27.5]</p>
<p><b>27.5 enough space for a wheelchair to enter (about 3 ft) and turn around (about 5 ft x 5 ft)</b></p> <p><input type="checkbox"/> Yes [GO TO 27.5a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 28]</p>	<p><b>27.5a</b> Was this feature there when you moved in or was it added?</p> <p><input type="checkbox"/> There when moved in  <input type="checkbox"/> Added  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[GO TO 28]</p>	

28. Whether or not you use it, does the toilet you use most often have \_\_\_\_\_?

<p><b>28.1 grab bars around it</b></p> <p><input type="checkbox"/> Yes [GO TO 28.1a]</p> <p><input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused } [GO TO 28.2]</p>	<p><b>28.1a Were the grab bars there when you moved in or were they added?</b></p> <p><input type="checkbox"/> There when moved in <input type="checkbox"/> Added <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused [GO TO 28.1b]</p>	<p><b>28.1b In the last 30 days, when you used the toilet, did you use the bars every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time <input type="checkbox"/> Most times <input type="checkbox"/> Sometimes <input type="checkbox"/> Rarely <input type="checkbox"/> Never <input type="checkbox"/> Don't know <input type="checkbox"/> Refused [Read intro "WHETHER OR NOT YOU USE IT, DOES THIS TOILET HAVE _____" AND FILL IN BLANK WITH ITEM IN 28.2]</p>
<p><b>28.2 A raised or modified seat</b></p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused [GO TO 29]</p>		<p>[ITEM DELETED]</p>

29. Does your home have any other features that make your day-to-day activities easier, safer, or so that you can do them on your own?

- Yes [GO TO 30]
- No  
 Don't know  
 Refused } [GO TO 31-INTERVIEWER CHECKPOINT]

30. What feature is that? \_\_\_\_\_.

**31. INTERVIEWER CHECKPOINT: [LIST FEATURES FROM QuestionS 18.3i, 18.4i, 23-28.1a THAT WERE THERE WHEN R MOVED IN.] DID R REPORT HAVING ANY FEATURES THAT WERE THERE WHEN THEY MOVED IN (QuestionS 23-28.1a)?**

- Yes [GO TO 32]  
 No [GO TO 34 INTERVIEWER CHECK POINT]

32. Thinking about the [READ LIST FEATURES FROM QuestionS 18.3i, 18.4i, 23-28.1a THAT WERE ALREADY IN HOME WHEN R MOVED IN], how important were these features in your decision to move there? Were they? [INTERVIEWER: READ OPTIONS EXCEPT DON'T KNOW AND REFUSED]:
- Very important
  - Somewhat important, or
  - Not at all important
  - Don't know
  - Refused
33. How important are these features to you now? Are they \_\_\_\_\_? [INTERVIEWER: READ OPTIONS EXCEPT DON'T KNOW AND REFUSED]?
- Very important
  - Somewhat important, or
  - Not at all important
  - Don't know
  - Refused
34. **INTERVIEWER CHECKPOINT 2: [LIST FEATURES FROM Question 18.3i, 18.4i, 23-28.1a THAT WERE ADDED AFTER R MOVED IN.] DID R REPORT ANY FEATURES WERE ADDED TO HIS/HER HOME AFTER MOVING THERE (QuestionS 18.3i, 18.4i, 23-28.1a)?**
- Yes [GO TO 35]
  - No [GO TO 41 – INDOOR AND OUTDOOR MOBILITY – PAGE 15]
35. Thinking about the [READ LIST FEATURES FROM QuestionS 18.3i, 18.4i, 23-28.1a THAT WERE ADDED AFTER R MOVED IN] that were added after you moved in, how important are these features to you now? Are they \_\_\_\_\_? [INTERVIEWER: READ OPTIONS EXCEPT DON'T KNOW AND REFUSED]
- Very important
  - Somewhat important, or
  - Not at all important
  - Don't know
  - Refused
36. Did you or your family pay some or all of the cost of adding these features?
- Yes [GO TO 37]
  - No
  - Don't know
  - Refused
- } [GO TO 40 – NEXT PAGE]
37. About how much did you and your family pay altogether? Was it more than \$500, less than \$500, or just about \$500?
- More than \$500 [GO TO Question 38]
  - Less than \$500 [GO TO Question 39]
  - Just about \$500
  - Don't know
  - Refused
- } [GO TO Question 40]

**38.** Was it more than \$1000, less than \$1000, or just about \$1000?

- More than \$1000
  - Less than \$1000
  - Just about \$1000
  - Don't know
  - Refused
- } [GO TO Question 40]

**39.** Was it more than \$100, less than \$100, or just about \$100?

- More than \$100
- Less than \$100
- Just about \$100
- Don't know
- Refused

**40.** Did your health insurance or any other program pay for some or all of the cost of adding these features?

- Yes
- No
- Don't know
- Refused

**[CONTINUE NEXT PAGE]**

## **INDOOR AND OUTDOOR MOBILITY**

**41. INTERVIEWER CHECKPOINT AND INSTRUCTION:** From question 15, is R's home part of a building that has two or more apartments or units with a common or shared entrance?

- Yes - GO TO 42 and use "building" or "home or building", where applicable, in the fill for questions 43 and table 44. Read the following statement before question 42** "The next questions are about getting around outside, inside your building, and inside your home."
- No - GO TO 43 and use "home" in the fill for question 43 and table 44. Read the following statement before question 43** "The next questions are about getting around both outside and inside your home."

**42.** In the last 30 days, how often have you left your apartment to do things *inside* your building? Was it \_\_\_\_\_? [INTERVIEWER: READ CATEGORIES EXCEPT DON'T KNOW OR REFUSED]

- Every day or almost every day
- Several times per week
- Once a week
- Less than once a week
- Never
- Don't know
- Refused

**43.** In the last 30 days, how often have you left your {home/building} to go outside?

- Every day or almost every day
- Several times per week
- Once a week
- Less than once a week
- Never
- Don't know
- Refused

**[CONTINUE NEXT PAGE]**

44.. In the last 30 days, did you use \_\_\_\_\_? [INTERVIEWER – IF ANSWER TO 43 IS NEVER GOES OUTSIDE, SKIP THE THIRD COLUMN OF QuestionS ABOUT USING ITEMS OUTSIDE]

<p><b>44.1 a cane</b></p> <p><input type="checkbox"/> Yes [GO TO 44.1a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused</p> <p>} [GO TO 44.2]</p>	<p><b>44.1a. In the last 30 days, when you got out of a bed or chair, how often did you use your cane to help? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "IN THE LAST 30 DAYS, DID YOU USE _____" AND FILL IN BLANK WITH ITEM IN 44.2]</p>	<p><b>44.1b. In the last 30 days, when you walked around inside your {home/ home or building}, how often did you use your cane? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>	<p><b>44.1c In the last 30 days, when you left your {home/ building} how often did you use your cane? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
---	--	--	--



<p><b>44.2 a walker</b></p> <p><input type="checkbox"/> Yes [GO TO 44.2a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 44.3]</p>	<p><b>44.2a. In the last 30 days, when you got out of a bed or chair, how often did you use your walker to help? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "IN THE LAST 30 DAYS, DID YOU USE _____" AND FILL IN BLANK WITH ITEM IN 44.3]</p>	<p><b>44.2b. In the last 30 days, when you walked around <i>inside</i> your {home/ home or building, } how often did you use your walker? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>	<p><b>44.2c In the last 30 days, when you <i>left your {home/ building }</i> how often did you use your walker? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
<p><b>44.3 a wheelchair</b></p> <p><input type="checkbox"/> Yes [GO TO 44.3a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 44.4]</p>	<p><b>44.3a In the last 30 days, when you got out of a bed or chair, how often did you use your wheelchair to help? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "IN THE LAST 30 DAYS, DID YOU USE _____" AND FILL IN BLANK WITH ITEM IN 44.4]</p>	<p><b>44.3b In the last 30 days, when you went around <i>inside</i> your {home/ home or building}, how often did you use your wheelchair? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>	<p><b>44.3c In the last 30 days, when you <i>left your {home/ building},</i> how often did you use your wheelchair? Every time, most times, sometimes, rarely, never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>

<p><b>44.4 a scooter</b></p> <p><input type="checkbox"/> Yes [GO TO 44.4b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 44.5]</p>		<p><b>44.4b. In the last 30 days, when you went around <i>inside</i> your {home/ home or building}, how often did you use your scooter? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "IN THE LAST 30 DAYS, DID YOU USE _____" AND FILL IN BLANK WITH ITEM IN 44.5]</p>	<p><b>44.4c In the last 30 days, when you left your {home/ building}, how often did you use your scooter? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
---	--	---	--

<p><b>44.5 crutches</b></p> <p><input type="checkbox"/> Yes [GO TO 44.5b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 44.6]</p>		<p><b>44.5b In the last 30 days, when you walked around <i>inside</i> your {home/ home or building}, how often did you use your crutches? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "IN THE LAST 30 DAYS, DID YOU USE _____" AND FILL IN BLANK WITH ITEM IN 44.6]</p>	<p><b>44.5c In the last 30 days, when you left your {home/ building}, how often did you use your crutches? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
<p><b>44.6 a special "raising seat" or lift chair to help you get in and out of chairs</b></p> <p><input type="checkbox"/> Yes [GO TO 44.6a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 44.7]</p>	<p><b>44.6a In the last 30 days, when you got in and out of chairs, how often did you use this seat? Every time, most time sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>[Read intro "IN THE LAST 30 DAYS, DID YOU USE _____" AND FILL IN BLANK WITH ITEM IN 44.7]</p>		

<p><b>44.7 a trapeze or sling to get in and out of bed</b></p> <p><input type="checkbox"/> Yes [GO TO 44.7a]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 45]</p>	<p><b>44.7a In the last 30 days, when you got in and out of bed, how often did you use the trapeze or sling? Every time, most times, sometimes, rarely, or never?</b></p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused  [GO TO 45]</p>		
---	---	--	--

**CONTINUE NEXT PAGE**

45. Are there *other* items that you have used in the last 30 days to get around more easily, safely, or on your own?

- Yes [GO TO 46]
  - No
  - Don't know
  - Refused
- } [GO TO 47]

46. What is that? (specify) \_\_\_\_\_.

47. Sometimes people have things to help them get around that they no longer use. Do you have a cane, walker, wheelchair, or scooter that you haven't used in the last 30 days?

- Yes [GO TO 47b]
  - No
  - Don't know
  - Refused
- } [GO TO 49]

47b. Which is it that you have and no longer use?

47.1 A cane?	Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused <input type="checkbox"/>
47.2 A walker?	Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused <input type="checkbox"/>
47.3 A wheelchair?	Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused <input type="checkbox"/>
47.4 A scooter?	Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused <input type="checkbox"/>

48. I'm going to read you several statements. Please tell me which statement or statements describe why you no longer use {this/these} items? [INTERVIEWER – READ ALL STATEMENTS]

- 1. I got better and don't need anything to get around
- 2. I use something else
- 3. It is too hard or painful to use
- 4. It's broken or needs to be fixed or adjusted
- 5. Some other reason (specify \_\_\_\_\_)

**OTHER DEVICES:**

49. The next questions are about some other items that you may use to make your daily activities easier, safer, or so that you can do them on your own. In the last 30 days, have you used \_\_\_\_\_?

49.1 A hearing aid or other hearing device	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.2 Glasses or contacts	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.3 Vision aids other than glasses	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.4 A reacher or grabber	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.5 A special bed or chair to sleep in	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.6 A portable commode, bedpan or disposable diapers	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.7 a modified washer or dryer	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.8 adapted utensils or appliances for cooking	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
49.9 a motorized or electric scooter at the grocery store	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused

50. Are there any *other* items that you use to do daily activities more easily, safely or on your own?

Yes. [GO TO 51]

No  
 Don't know  
 Refused } [GO TO 52 – INTERVIEWER CHECK POINT]

51. What is that? (specify) \_\_\_\_\_.

**52. INTERVIEWER CHECKPOINT: [LIST ITEMS USED IN QuestionS 44.1-44.7, 49.1-49.9]  
DID R REPORT USING ANY ITEMS IN QuestionS 44.1-44.7, 49.1- 49.9?**

Yes [GO TO 53]  
 No [GO TO 58 – INTERVIEWER CHECKPOINT – NEXT PAGE]

53. You told me that you used \_\_\_\_\_ [READ LIST ITEMS USED IN QuestionS 44.1-44.7, 49.1-49.9] in the last 30 days. Did you or your family pay some or all of the cost to buy or rent these items?

Yes [GO TO 54]

No  
 Don't know  
 Refused } [GO TO 57 – NEXT PAGE]

54. About how much did you and your family pay altogether? Was it more than \$500, less than \$500, or just about \$500?

More than \$500 [GO TO 55]  
 Less than \$500 [GO TO 56]

Just about \$500  
 Don't know  
 Refused } [GO TO 57 – NEXT PAGE]

55. Was it more than \$1000, less than \$1000, or just about \$1000?

More than \$1000  
 Less than \$1000  
 Just about \$1000  
 Don't know  
 Refused } [GO TO 57 – NEXT PAGE]

56. Was it more than \$100, less than \$100, or just about \$100?

More than \$100  
 Less than \$100  
 Just about \$100  
 Don't know  
 Refused

57. Did your health insurance or any other program pay for some or all of the cost of these items?

- Yes
- No
- Don't know
- Refused

**58. INTERVIEWER CHECKPOINT: [LIST ITEMS AND FEATURES R INDICATED USING] DOES R USE ONE OR MORE ITEMS OR USE ONE OR MORE FEATURES IN THEIR HOME TO HELP THEM DO THEIR DAILY ACTIVITIES? INCLUDE ITEMS AND FEATURES 18.3a, 18.4a, 23.3b, 25.2b, 25.3b, 26.2b, 26.3, 27.1b, 27.2b, 27.3b, 27.4b, 28.1b, 44.1-44.7, 49.1-49.9.**

- Yes [GO TO 59 – EFFECTIVENESS/PARTICIPATION]
- No [GO TO 61 - COMPUTERS – NEXT PAGE]

**EFFECTIVENESS/PARTICIPATION**

59. You told me that you use [LIST ITEMS AND FEATURES THAT R USES]. The next questions are about how much these items have affected your life.

	No more	A little more	A lot more	Does not apply	Don't Know	Refused
59.1 Because you use these items, how much safer do you feel when you do your daily activities? No more, a little more, a lot more?	1	2	3	4	88	99
59.2 Because you use these items, how much more control do you have over your daily activities?	1	2	3	4	88	99
59.3 Because you use these items, how much more often do you take part in activities you enjoy? No more, a little more, or a lot more?	1	2	3	4	88	99

60. Because you use these items,

	No less	A little less	A lot less	Does not apply	Don't Know	Refused
60.1 How much less painful is it for you to do your daily activities? No less, a little less, a lot less, or does this not apply to you?	1	2	3	4	88	99
60.2 Because you use these items, how much less tiring is it for you to do your daily activities?	1	2	3	4	88	99

	No less	A little less	A lot less	Does not apply	Don't Know	Refused
60.3 Because you use these items, how much less do you rely on others in your daily activities? No less, a little less, a lot less, or does this not apply to you?	1	2	3	4	88	99
60.4 Because you use these items, how much less time does it take for you to do your daily activities?	1	2	3	4	88	99

## **COMPUTERS**

**61.** The next questions are about computers and telephones. Do you currently use a computer?

- Yes [GO TO 63]  
 No  
 Don't know  
 Refused
- } [GO TO 62]

**62.** Do you use a system other than a computer to access the internet or send e-mail? Other systems may include things like WebTV.

- Yes [GO TO 68]  
 No  
 Don't know  
 Refused
- } [GO TO 69 - TELEPHONES – PAGE 26]

**63.** Have any changes been made to the computer you use most often so you can use it more easily, safely, or on your own?

- Yes [GO TO 64]  
 No [GO TO 68- WHAT IS COMPUTER USED FOR- PAGE 26]  
 Don't know [GO TO 64]  
 Refused [GO TO 68- WHAT IS COMPUTER USED FOR- PAGE 26]

**64.** Does this computer have \_\_\_\_\_ ?

<b>COMPUTER FEATURES</b>	
64.1 An extra large keyboard, buttons, or letters	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
64.2 An on screen keyboard or touch screen	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
64.3 Speech recognition software	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
64.4 Something other than a mouse to point at the screen	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
64.5 Screen magnifier or Software to enlarge objects on screen	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
64.6 Screen reader software	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused



65. Does your computer have any *other* features that allow you to use it more easily, safely, or on your own?

- Yes [GO TO 66]
  - No
  - Don't know
  - Refused
- } [GO TO 67]

66. What is that feature? \_\_\_\_\_.

67. Could you use your computer if it did not have any of the features you just told me about?

- Yes
- Yes, but with difficulty
- No
- Don't know
- Refused

68. In the last 30 days, did you use the {computer / other system} for:

68.1 Banking and managing household finances	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Refused
68.2 Work related to your business or profession	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Refused
68.3 Shopping for groceries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Refused
68.4 Shopping for things other than groceries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Refused
68.5 Ordering prescriptions	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Refused
68.6 Looking up health related information	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know	<input type="checkbox"/> Refused

## **TELEPHONES**

69. Do you have a cordless phone?

- Yes
- No
- Don't know
- Refused

70. Do you have a cell phone?

- Yes [GO TO 71]
  - No
  - Don't know
  - Refused
- } [GO TO 72]

71. How often do you use your cell phone? Do you use it \_\_\_\_\_ [READ RESPONSE CATEGORIES EXCEPT DON'T KNOW AND REFUSED]

- for all or most of your calls
- for some of your calls
- rarely or for emergencies only OR
- Do you never use your cell phone
- Don't know
- Refused

72. Did you get or change any of the telephones in your house so that you can make calls more easily or on your own?
- Yes [GO TO 73]
  - No [GO TO 77]
  - Don't know [GO TO 73]
  - Refused [GO TO 77]

73. Do any of your telephones have \_\_\_\_\_?

73.1 Headphones	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
73.2 Large buttons	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
73.3 An amplifier or speaker phone	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
73.4 TTY or text display device	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
73.5 A flashing ringer	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
73.6 Voice activation/speech recognition	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
73.7 a picture or video screen to see the person you are talking to	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused

74. Do any of your telephones have any *other* features that allow you to use it more easily or on your own?
- Yes [GO TO 75]
  - No
  - Don't know
  - Refused
- } [GO TO 76]

75. What is that feature? \_\_\_\_\_.

76. Could you make or get telephone calls if your telephone did not have any of the features you just told me about?
- Yes
  - Yes, but with difficulty
  - No
  - Don't know
  - Refused

77. In the last 30 days, did you use your telephone for:  
[READ EACH RESPONSE OPTION AND WAIT FOR A YES/NO ANSWER]:

77.1 Banking and managing household finances	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
77.2 Work related to your business or profession	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
77.3 Shopping for groceries	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
77.4 Shopping for things other than groceries	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused
77.5 Ordering prescriptions	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know <input type="checkbox"/> Refused

**FUNCTIONAL LIMITATIONS AND DAILY ACTIVITIES**

**78.** Now please tell me a little about how much difficulty you have doing the following by yourself and without using any items or home features to help you. How much difficulty do you have\_\_\_\_\_.

	None	Some	A lot	Unable	Doesn't do	Don't know	Refused
<b>78.1</b> stooping, crouching, or kneeling? none, some, or a lot or are you unable to do that?	0	1	2	3	4	88	99
<b>78.2</b> reaching up over your head?	0	1	2	3	4	88	99
<b>78.3</b> reaching out as if to shake someone's hand?	0	1	2	3	4	88	99
<b>78.4</b> using your fingers to grasp or handle objects?	0	1	2	3	4	88	99
<b>78.5</b> walking up 10 steps without resting?	0	1	2	3	4	88	99
<b>78.6</b> standing up from a couch without using your arms to push up?	0	1	2	3	4	88	99
<b>78.7</b> standing or being on your feet for 2 hours?	0	1	2	3	4	88	99
<b>78.8</b> walking a quarter of a mile on a smooth floor, like you might find at a shopping mall?	0	1	2	3	4	88	99
<b>78.9</b> remembering everyday things like names of people you know or places you've been	0	1	2	3	4	88	99
<b>78.10</b> seeing words on the page the size of ordinary newsprint	0	1	2	3	4	88	99

IF ANY ANSWER TO 78.1-78.10 IS = 1, 2, 3 OR 4 ASK 78.11. OTHERWISE GO TO 79.1.

**78.11** What condition or health problem causes you to have difficulty with these activities?  
(FILL IN TEXT; LIST ALL CONDITIONS MENTIONED; DO NOT PROBE)

---



---

**HELP AND DIFFICULTY WITH SELECT DAILY ACTIVITIES**

The next questions are about help you receive with your daily activities and how well you can do the activities on your own.

<p><b>79.1a</b> In the last 30 days, did anyone help you get out of a bed or chair?</p> <p> <input type="checkbox"/> Yes [GO TO 79.1b]  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know } [GO TO 79.1c]  <input type="checkbox"/> Refused         </p>	<p><b>79.1b</b> In the last 30 days, when you got out of a bed or chair, how often did you get help? Every time, most times, sometimes, rarely, or never?</p> <p> <input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused         </p>	<p><b>79.1c</b> [Using your READ LIST OF ITEMS IN Question 44.1a (cane) 44.2a (walker) 44.3a (wheelchair) 44.6a (raising seat) 44.7a (trapeze/sling)] 49.5 (special chair or bed) h/How much difficulty do you have getting out of a bed or chair by yourself?</p> <p> <input type="checkbox"/> None  <input type="checkbox"/> Some } [GO TO 79.2a]  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable  <input type="checkbox"/> Never does without help } [GO TO 79.1d]  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused [GO TO 79.2a]         </p>	<p><b>79.1d.</b> [Using your READ LIST OF ITEMS IN Question 44.1a (cane) 44.2a (walker) 44.3a (wheelchair) 44.6a (raising seat) 44.7a (trapeze/sling), 49.5 (special chair or bed)] c/Could you get out of a bed or chair by yourself?</p> <p> <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused         </p>
<p><b>79.2a</b> In the last 30 days, did anyone help you get around your {home/ home or building}?</p> <p> <input type="checkbox"/> Yes [GO TO 79.2b]  <input type="checkbox"/> No  <input type="checkbox"/> Don't Know } [GO TO 79.2c]  <input type="checkbox"/> Refused         </p>	<p><b>79.2b.</b> In the last 30 days, when you went around your {home/ home or building}, how often did you get help? Every time, most times, sometimes, rarely, or never?</p> <p> <input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused         </p>	<p><b>79.2c.</b> [Using your READ LIST OF ITEMS IN Question 44.1b (cane) 44.2b (walker) 44.3b (wheelchair) 44.4b (scooter) 44.5b (crutches) 25.2b (elevator) 25.3b (stair lift) 26.2b (rails in hallway)] h/How much difficulty do you have getting around your {home/home or building} by yourself?</p> <p> <input type="checkbox"/> None  <input type="checkbox"/> Some } [GO TO 79.3a]  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable  <input type="checkbox"/> Never does without help } [GO TO 79.2d]  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused [GO TO 79.3a]         </p>	<p><b>79.2d</b> [Using your READ LIST OF ITEMS IN Question 44.1b (cane) 44.2b (walker) 44.3b (wheelchair) 44.4b (scooter) 44.5b (crutches) 25.2b (elevator) 25.3b (stair lift) 26.2b (rails in hallway)] c/Could you get around your {home/home or building} by yourself?</p> <p> <input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused         </p>

<p><b>79.3a</b> In the last 30 days, did anyone help you leave your {home/building}?</p> <p><input type="checkbox"/> Yes [GO TO 79.3b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 79.3c]</p>	<p><b>79.3b.</b> In the last 30 days, when you left your {home/building}, how often did you get help? Every time, most times, sometimes, rarely, or never?</p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>	<p><b>79.3c</b> [Using your READ LIST OF ITEMS IN Question 44.1c (cane) 44.2c (walker) 44.3c (wheelchair) 44.4c (scooter) 44.5c (crutches) 18.3a (ramp) 23.3b (ramp)] h/How much difficulty do you have leaving your {home/building} by yourself?</p> <p><input type="checkbox"/> None  <input type="checkbox"/> Some  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable } [GO TO 79.4a]</p> <p><input type="checkbox"/> Never does without help  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused } [GO TO 79.3d] [GO TO 79.4a]</p>	<p><b>79.3d</b> [Using your READ LIST OF ITEMS IN Question 44.1c (cane) 44.2c (walker) 44.3c (wheelchair) 44.4c (scooter) 44.5c (crutches) 18.3a (ramp) 23.3b (ramp)] c/Could you leave your {home/building} by yourself?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
<p><b>79.4a</b> In the last 30 days, did anyone help you bathe or shower?</p> <p><input type="checkbox"/> Yes [GO TO 79.4b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 79.4c]</p>	<p><b>79.4b.</b> In the last 30 days, when you bathed or showered, how often did you get help? Every time, most times, sometimes, rarely, or never?</p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>	<p><b>79.4c.</b> [Using your READ LIST OF ITEMS IN Question 27.2b (grab bars), 27.3b (shower seat), 27.4b (handheld shower)] 27.1b (stall shower)] how much difficulty do you have bathing by yourself?</p> <p><input type="checkbox"/> None  <input type="checkbox"/> Some  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable } [GO TO 79.5a]</p> <p><input type="checkbox"/> Never does without help  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused } [GO TO 79.4d] [GO TO 79.5a]</p>	<p><b>79.4d.</b> [Using your READ LIST OF ITEMS IN Question 27.2b (grab bars), 27.3b (shower seat), 27.4b (handheld shower)] 27.1b (stall shower)] c/Could you bathe by yourself?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>

<p><b>79.5a</b> In the last 30 days, did anyone help you use the toilet, including getting on and off?</p> <p><input type="checkbox"/> Yes [GO TO 79.5b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused</p> <p>} [GO TO 79.5c]</p>	<p><b>79.5b.</b> In the last 30 days, when you used the toilet, how often did you get help? Every time, most times, sometimes, rarely, or never?</p> <p><input type="checkbox"/> Every time  <input type="checkbox"/> Most times  <input type="checkbox"/> Sometimes  <input type="checkbox"/> Rarely  <input type="checkbox"/> Never  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>	<p><b>79.5c.</b> [Using your READ LIST OF ITEMS USED 28.1b (grab bars), 28.2 (modified seat)], how much difficulty do you have using the toilet by yourself, including getting on and off?</p> <p><input type="checkbox"/> None  <input type="checkbox"/> Some  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable  <input type="checkbox"/> Never does without help  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p> <p>} [GO TO 80.1a]  } [GO TO 79.5d]  [GO TO 80.1a]</p>	<p><b>79.5d.</b> [Using your READ LIST OF ITEMS USED 28.1b (grab bars), 28.2 (modified seat)], c/Could you use the toilet by yourself?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
---	--	---	--

**INSTRUMENTAL ACTIVITIES OF DAILY LIVING**

<p><b>80.1a In the last 30 days, did you prepare any meals?</b></p> <p><input type="checkbox"/> Yes <b>[GO TO 80.1b]</b></p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } <b>[GO TO 80.1c]</b></p>	<p><b>80.1b. How much difficulty do you have preparing meals by yourself?</b></p> <p><input type="checkbox"/> None  <input type="checkbox"/> Some  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable } <b>[GO TO 80.2a]</b></p> <p><input type="checkbox"/> Never does without help  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused <b>[GO TO 80.2a]</b> } <b>[GO TO 80.1c]</b></p>	<p><b>80.1c. Could you prepare meals by yourself?</b></p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
<p><b>80.2a In the last 30 days, did you shop for groceries?</b></p> <p><input type="checkbox"/> Yes <b>[GO TO 80.2b]</b></p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } <b>[GO TO 80.2c]</b></p>	<p><b>80.2b. [Using your READ LIST OF ITEMS USED 44.1c (cane) 44.2c (walker) 44.3c (wheelchair) 44.4c (scooter) 44.5c (crutches) 49.9 (motorized scooter)], h/How much difficulty do you have shopping for groceries by yourself?</b></p> <p><input type="checkbox"/> None  <input type="checkbox"/> Some  <input type="checkbox"/> A lot } <b>[GO TO 80.3a]</b></p> <p><input type="checkbox"/> Unable  <input type="checkbox"/> Never does without help  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused } <b>[GO TO 80.2c]</b></p> <p><b>[GO TO 80.3a]</b></p>	<p><b>80.2c. [Using your READ LIST OF ITEMS USED 44.1c (cane) 44.2c (walker) 44.3c (wheelchair) 44.4c (scooter) 44.5c (crutches) 49.9 (motorized scooter)], c/Could you shop for groceries by yourself?</b></p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>

<p><b>80.3a</b> In the last 30 days, did you spend any time managing your money, such as keeping track of expenses or paying bills?</p> <p><input type="checkbox"/> Yes [GO TO 80.3b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 80.3c]</p>	<p><b>80.3b.</b> [Using your READ LIST OF ITEMS USED 49.3 VISION AIDS OTHER THAN GLASSES, 77.1 TELEPHONE, 68.1COMPUTER/OTHER SYSTEM h/How much difficulty do you have managing your money by yourself?</p> <p><input type="checkbox"/> None  <input type="checkbox"/> Some  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable } [GO TO 80.4a]</p> <p><input type="checkbox"/> Never does without help  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused } [GO TO 80.3c] [GO TO 80.4a]</p>	<p><b>80.3c.</b> [Using your READ LIST OF ITEMS USED VISION AIDS OTHER THAN GLASSES, TELEPHONE, COMPUTER/OTHER SYSTEM]. c/Could you manage your money by yourself?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>
<p><b>80.4a</b> In the last 30 days, did you go places outside of walking distance?</p> <p><input type="checkbox"/> Yes [GO TO 80.4b]</p> <p><input type="checkbox"/> No  <input type="checkbox"/> Don't Know  <input type="checkbox"/> Refused } [GO TO 81]</p>	<p><b>80.4b.</b> [Using your 11.1 car, 11.3 paratransit service, or 14.6a shuttle] How much difficulty do you have getting places outside of walking distance by yourself?</p> <p><input type="checkbox"/> None  <input type="checkbox"/> Some  <input type="checkbox"/> A lot  <input type="checkbox"/> Unable } [GO TO 81]</p> <p><input type="checkbox"/> Never does without help  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused } [GO TO 80.3c] [GO TO 81]</p>	<p><b>80.4 c.</b> [Using your car, paratransit service, or shuttle] c/Could you get places outside of walking distance by yourself?</p> <p><input type="checkbox"/> Yes  <input type="checkbox"/> No  <input type="checkbox"/> Don't know  <input type="checkbox"/> Refused</p>



## **DEMOGRAPHIC INFORMATION**

Now I have some final questions about your background.

**81.** Just to confirm, in what month, day, and year were you born?

\_\_\_\_\_  
MONTH / DAY / YEAR

- Don't know } [GO TO 81a]  
 Refused }

**81a** How old were you on your last birthday?

\_\_\_\_\_  
YEARS OLD

- Don't know  
 Refused

**82.** Sex of Respondents - Interviewer determined or if necessary ask respondent to confirm:  
And just to confirm, are you male or female?

- Male  
 Female

**83.** What is your marital status? Are you now married, widowed, divorced, separated, or have you never been married?

- Now married  
 Widowed  
 Divorced  
 Separated  
 Never been married  
 Don't know  
 Refused

**84.** What is the highest degree or level of school you have COMPLETED?  
[INTERVIEWER – MARK ONE BOX.]

- No schooling completed  
 Nursery school to 4th grade  
 5th grade or 6th grade  
 7th grade or 8th grade  
 9th grade  
 10th grade  
 11th grade  
 12th grade – **NO DIPLOMA**  
 **HIGH SCHOOL GRADUATE** – high school  
 DIPLOMA or the equivalent (*for example: GED*)  
 Some college , no degree
- Associate degree (*for example: AA, AS*)  
 Bachelor's degree (*for example: BA, AB, BS*)  
 Master's degree (*for example: MA, MS, MEng, MEd, MSW, MBA*)

- Professional degree (for example: MD, DDS, DVM, LLB, JD)
- Doctorate degree (for example: PhD, EdD)
- Don't know
- Refused

**85.** What is your present job status? Are you working now, temporarily laid off, unemployed and looking for work, disabled and unable to work, retired, a homemaker, or something else?

- Working now
- Temporarily laid off
- Unemployed and looking for work
- Disabled and unable to work
- Retired and not working
- Homemaker
- Something else
- Don't know
- Refused

**86.** Are you Spanish, Hispanic, or Latino?

- Yes
- No
- Don't know
- Refused

**87.** What race or races do you consider yourself to be? [INTERVIEWER: RESPONDENT MAY GIVE MORE THAN ONE RACE.]

- White
- Black or African American
- Asian
- American Indian or Alaska Native
- Native Hawaiian or Other Pacific Islander
- Other
- Don't know
- Refused

**88.** About how much was your household income for 2004? Was it more than \$25,000, less than \$25,000, or just about \$25,000?

- Less than \$25,000 [GO TO 89]
- More than \$25,000 [GO TO 90]
- Just about \$25,000 [END INTERVIEW]
- Don't know
- Refused

**89.** Was it more than \$15,000, less than \$15,000, or just about \$15,000?

- Less than \$15,000
  - More than \$15,000
  - Just about \$15,000
  - Don't know
  - Refused
- } [END INTERVIEW]

90. Was it more than \$50,000, less than \$50,000, or just about \$50,000?
- Less than \$50,000
  - More than \$50,000
  - Just about \$50,000
  - Don't know
  - Refused

END INTERVIEW

# **DEVELOPMENT OF AN ASSISTIVE TECHNOLOGY AND ENVIRONMENTAL ASSESSMENT INSTRUMENT FOR NATIONAL SURVEYS: FINAL REPORT**

## Files Available for This Report

### **Part I: Recommended Modules and Instrument Development Process**

HTML: <http://aspe.hhs.gov/daltcp/reports/ATEAdevI.htm>

PDF: <http://aspe.hhs.gov/daltcp/reports/ATEAdevI.pdf>

#### ***Also available separately:***

Module A. Survey Modules to Measure Assistive Technology and the Home Environment: Recommended 8-10 Minute Modules

<http://aspe.hhs.gov/daltcp/reports/ATEAdevI-A.pdf>

Module B. Survey Modules to Measure Assistive Technology and the Home Environment: Recommended 2-3 Minute Module

<http://aspe.hhs.gov/daltcp/reports/ATEAdevI-B.pdf>

### **Part II: Pilot Study Results for Recommended Items**

HTML: <http://aspe.hhs.gov/daltcp/reports/ATEAdevII.htm>

PDF: <http://aspe.hhs.gov/daltcp/reports/ATEAdevII.pdf>

#### ***Also available separately:***

Module A. Home Environment Module

<http://aspe.hhs.gov/daltcp/reports/ATEAdevII-A.pdf>

Module B. Mobility and Other Devices Module

<http://aspe.hhs.gov/daltcp/reports/ATEAdevII-B.pdf>

Module C. Effectiveness/Participation Module

<http://aspe.hhs.gov/daltcp/reports/ATEAdevII-C.pdf>

Module D. Communication Technology Module

<http://aspe.hhs.gov/daltcp/reports/ATEAdevII-D.pdf>

Module E. Residual ADL and IADL Difficulty Module

<http://aspe.hhs.gov/daltcp/reports/ATEAdevII-E.pdf>

Appendix I. Crosswalk of Question Numbers from Pilot Test and Final Recommended Modules

<http://aspe.hhs.gov/daltcp/reports/ATEAdevII-apI.pdf>

Appendix II. Technology and Aging Pilot Survey: Instrument for the Pilot Study

<http://aspe.hhs.gov/daltcp/reports/ATEAdevII-apII.pdf>