

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.

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>