Table 1. Collection dates, number of interviews targeted and completed, and sample sizes by panel provider: Rapid Surveys System Round 4

Panel Provider	Collection Dates	Targeted Number of Completed Interviews	Sample Size	Number of Completed Interviews
Combined	4/24/2024-5/20/2024	8,000	13,975	8,705
Panel Provider 1	4/25/2024-5/20/2024	4,000	8,129	4,563
Panel Provider 2	4/24/2024-5/20/2024	4,000	5,846	4,142

Table 2. Household panel recruitment rate, household panel retention rate, household panel profile rate, survey completion rate, and final cumulative response rate by panel provider: Rapid Surveys System Round 4

Panel Provider	Household Panel Recruitment Rate\1	Household Panel Retention Rate\2	Household Panel Profile Rate\3	Unweighted Survey Completion Rate\4	Cumulative Response Rate\5
Panel Provider 1	22.3	78.9	---	56.1	9.9
Panel Provider 2	9.6	29.4	60.8	70.9	4.1

--- Not applicable

\1 The panel recruitment rate represents the percentage of sampled households where at least one adult successfully completed the recruitment survey and joined the panel.

\2 The panel retention rate represents the percentage of recruited households that remain on the panel and are available for sampling for a survey.

\3 The profile rate represents the percentage of recruited households where at least one adult resident completes a profile survey. The profile survey collects more detailed information about the person and household.

\4 The unweighted survey completion rate uses the AAPOR RR5 response rate definition: The American Association for Public Opinion Research. 2023. Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys. 10th edition.

\5 Cumulative response rate follows the American Association for Public Opinion Research (AAPOR) CUMRR1 definition (AAPOR, 2016). However, Panel Providers 1 and 2 compute a CUMRR1 differently. For Panel Provider 1, it is the product of the panel recruitment rate, the panel retention rate, and the study-specific survey completion rate. For Panel Provider 2, it is the product of the panel recruitment rate, panel profile rate, and the study-specific survey completion rate.

Table 3. Sample and respondent counts and unweighted survey completion rates by panel provider and select panelist characteristics: Rapid Surveys System Round 4

	Panel Provider 1			Panel Provider 2			Combined		
	Sampled	Respondents	Unweighted Completion Rate\1	Sampled	Respondents	Unweighted Completion Rate\1	Sampled	Respondents	Unweighted Completion Rate\1
Total	8,129	4,563	56.1	5,846	4,142	70.9	13,975	8,705	62.3
Age group									
18-24	860	368	42.8	462	260	56.3	1,322	628	47.5
25-34	2,008	995	49.6	897	576	64.2	2,905	1,571	54.1
35-44	1,430	818	57.2	1,070	700	65.4	2,500	1,518	60.7
45-64	2,352	1,366	58.1	2,034	1493	73.4	4,386	2,859	65.2
65 and older	1,479	1,016	68.7	1,383	1113	80.5	2,862	2,129	74.4
Sex									
Male	4,148	2,247	54.2	2,787	2010	72.1	6,935	4,257	61.4
Female	3,981	2,316	58.2	3,059	2132	69.7	7,040	4,448	63.2
Race and Hispanic origin\2									
Asian, non-Hispanic	346	194	56.1	243	162	66.7	589	356	60.4
Black, non-Hispanic	1,145	554	48.4	632	423	66.9	1,777	977	55.0
White, non-Hispanic	4,443	2,801	63.0	3,723	2758	74.1	8,166	5,559	68.1
Other and multiple races, non-Hispanic	382	185	48.4	253	182	71.9	635	367	57.8
Hispanic	1,801	828	46.0	928	567	61.1	2,729	1,395	51.1
Educational attainment									
Less than high school	771	292	37.9	429	257	59.9	1,200	549	45.8
High school diploma\3	1,716	866	50.5	1,517	1061	69.9	3,233	1,927	59.6
Some college	3,154	1,777	56.3	1,634	1131	69.2	4,788	2,908	60.7
Bachelor's degree or more	2,488	1,628	65.4	2,266	1693	74.7	4,754	3,321	69.9
Urbanization level									
Metropolitan	7,062	3,914	55.4	4,945	3,493	70.6	12,007	7,407	61.7
Nonmetropolitan	1,067	649	60.8	826	591	71.6	1,893	1,240	65.5

\1 The unweighted survey completion rate uses the AAPOR RR5 response rate definition: The American Association for Public Opinion Research. 2023. Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys. 10th edition.

\2 Adults categorized as Hispanic may be any race or combination of races. Adults categorized as Asian non-Hispanic, Black non-Hispanic, and White non-Hispanic indicated one race only. Non-Hispanic adults of multiple or other races are combined into the Other and multiple races non-Hispanic category.

\3 Includes adults who have a GED.

Table 4. Median overall survey and section times (in minutes) by panel provider for interviews completed in 60 minutes or less in a single visit\1: Rapid Surveys System Round 4

Section	Number of Questions	Panel Provider 1	Panel Provider 2
Total time	178	11.5	11.8
HIS - Self-reported health status	1	0.1	0.1
CHR - Chronic conditions	4	0.4	0.4
PRG - Pregnancy	3	0.2	0.2
GEN - Gender	2	0.1	0.1
DIS - Difficulty with vision/hearing/communication/cognition	8	0.7	0.7
SOC - Social and work limitations	3	0.4	0.4
ADO - Age of disability onset	1	0.2	0.4
CON - Social connectedness	4	0.5	0.5
EMP - Health insurance	9	0.5	0.6
ACC - Healthcare access and utilization	4	0.6	0.6
MTL - Mental health	9	0.6	0.5
HCA - Health care access	2	0.2	0.2
CIG - Cigarette smoking	2	0.1	0.1
CIV - Civic engagement	4	0.4	0.4
LAN - Language items	4	0.1	0.1
MAR - Marital status	4	0.1	0.1
TSV - Technology facilitated sexual violence	4	0.5	0.5
ECC - Emerging coercive control	13	1.2	1.3
PAA - Psychological aggression (split 1)	9	0.6	0.6
SVA - Sexual violence (split 1)	21	1.8	1.7
PAB - Psychological aggression (split 2)	4	0.4	0.4
SVB - Sexual violence (split 2)	33	1.4	1.3
TBI - Traumatic brain injury	22	0.5	0.5
INT - Internet access and health information technology use	5	0.3	0.3
TEL - Telephone use	3	0.2	0.2

\1 Times were limited to complete interviews collected in 60 minutes or less in a single visit to the survey instrument. Completions meeting these criteria accounted for 85.9% of all completed surveys.

Table 5. Percentage distribution of breakoffs\1 (unweighted) by survey section and panel provider: Rapid Surveys System Round 4

Section	Number of Questions	Panel Provider 1		Panel Provider 2		Combined	
		Number of Breakoffs	Percentage of Breakoffs	Number of Breakoffs	Percentage of Breakoffs	Number of Breakoffs	Percentage of Breakoffs
Intro screens and HIS - Self-reported health status	1	19	18.3	52	32.7	71	27.0
CHR - Chronic conditions	4	5	4.8	8	5.0	13	4.9
PRG - Pregnancy	3	2	1.9	2	1.3	4	1.5
GEN - Gender	2	2	1.9	0	0.0	2	0.8
DIS - Difficulty with vision/hearing/communication/cognition	8	8	7.7	4	2.5	12	4.6
SOC - Social and work limitations	3	8	7.7	2	1.3	10	3.8
ADO - Age of disability onset	1	0	0.0	1	0.6	1	0.4
CON - Social connectedness	4	3	2.9	3	1.9	6	2.3
EMP - Health insurance	9	12	11.5	5	3.1	17	6.5
ACC - Healthcare access and utilization	4	6	5.8	11	6.9	17	6.5
MTL - Mental health	9	5	4.8	5	3.1	10	3.8
HCA - Health care access	2	1	1.0	3	1.9	4	1.5
CIG - Cigarette smoking	2	1	1.0	2	1.3	3	1.1
CIV - Civic engagement	4	3	2.9	5	3.1	8	3.0
LAN - Language items	4	0	0.0	1	0.6	1	0.4
MAR - Marital status	4	1	1.0	3	1.9	4	1.5
TSV - Technology facilitated sexual violence	4	4	3.8	5	3.1	9	3.4
ECC - Emerging coercive control	13	6	5.8	7	4.4	13	4.9
PAA - Psychological aggression (split 1)	9	2	1.9	0	0.0	2	0.8
SVA - Sexual violence (split 1)	21	9	8.7	14	8.8	23	8.7
PAB - Psychological aggression (split 2)	4	0	0.0	1	0.6	1	0.4
SVB - Sexual violence (split 2)	33	2	1.9	11	6.9	13	4.9
TBI - Traumatic brain injury	22	0	0.0	7	4.4	7	2.7
INT - Internet access and health information technology use	5	1	1.0	3	1.9	4	1.5
TEL - Telephone use	3	4	3.8	4	2.5	8	3.0
TOTAL	178	104	100.0	159	100.0	263	100.0

\1 A breakoff is defined as an interview that was started but not fully completed. The overall breakoff rate for Panel Provider 1 was 2.2% (104 of 4,667 panelists who started the survey) and the overall breakoff rate for Panel Provider 2 was 3.7% (159 of 4,301 panelists who started the survey).

Table 6. Number and percent of questions at different levels of item nonresponse (unweighted) by panel provider: Rapid Surveys System Round 4

Item Nonresponse Level	Panel Provider 1		Panel Provider 2		Combined	
	Number of Questions	Percent of Questions	Number of Questions	Percent of Questions	Number of Questions	Percent of Questions
<1%	90	50.6	98	55.1	93	52.2
1% to <5%	73	41.0	68	38.2	73	41.0
5% to <10%	3	1.7	0	0.0	0	0.0
>10%	12	6.7	12	6.7	12	6.7
TOTAL	178	100.0	178	100.0	178	99.9

NOTES: Percentages may not add to 100 due to rounding.

Table 7. Item nonresponse rates (unweighted) by survey section and panel provider: Rapid Surveys System Round 4

Section	Number of Questions	Panel Provider 1			Panel Provider 2			Combined		
		Missing Responses\1	Range of Item Nonresponse Rates	Section Item Nonresponse Rate\2	Missing Responses\1	Range of Item Nonresponse Rates	Section Item Nonresponse Rate\2	Missing Responses\1	Range of Item Nonresponse Rates	Section Item Nonresponse Rate\2
HIS - Self-reported health status	1	7	(0.15 , 0.15)	0.2	10	(0.24 , 0.24)	0.2	17	(0.15 , 0.24)	0.2
CHR - Chronic conditions	4	104	(0.35 , 0.94)	0.6	148	(0.46 , 1.67)	0.9	252	(0.35 , 1.67)	0.7
PRG - Pregnancy	3	82	(1.04 , 2.46)	1.8	42	(0.00 , 1.22)	1.0	124	(0.00 , 2.46)	1.4
GEN - Gender	2	7	(0.00 , 0.15)	0.2	5	(0.00 , 0.12)	0.1	12	(0.00 , 0.15)	0.1
DIS - Difficulty with vision/hearing/communication/cognition	8	120	(0.13 , 0.61)	0.3	141	(0.19 , 0.87)	0.4	261	(0.13 , 0.87)	0.4
SOC - Social and work limitations	3	44	(0.20 , 0.39)	0.3	63	(0.39 , 0.72)	0.5	107	(0.20 , 0.72)	0.4
ADO - Age of disability onset	1	3	(0.51 , 0.51)	0.5	5	(1.38 , 1.38)	1.4	8	(0.51 , 1.38)	0.8
CON - Social connectedness	4	143	(0.22 , 1.86)	0.8	221	(0.53 , 2.27)	1.3	364	(0.22 , 2.27)	1.1
EMP - Health insurance	9	1,645	(2.66 , 5.74)	4.5	912	(2.20 , 3.94)	2.7	2,557	(2.20 , 5.74)	3.6
ACC - Healthcare access and utilization	4	82	(0.25 , 0.55)	0.5	47	(0.19 , 0.39)	0.3	129	(0.19 , 0.55)	0.4
MTL - Mental health	9	327	(0.61 , 1.48)	1.0	410	(0.39 , 2.20)	1.4	737	(0.39 , 2.20)	1.2
HCA - Health care access	2	119	(1.23 , 1.38)	1.3	112	(1.04 , 1.67)	1.4	231	(1.04 , 1.67)	1.3
CIG - Cigarette smoking	2	43	(0.18 , 0.88)	0.7	21	(0.14 , 0.46)	0.4	64	(0.14 , 0.88)	0.5
CIV - Civic engagement	4	124	(0.36 , 1.12)	0.7	108	(0.48 , 0.89)	0.7	232	(0.36 , 1.12)	0.7
LAN - Language items	4	55	(0.34 , 1.03)	0.8	44	(0.56 , 1.26)	0.7	99	(0.34 , 1.26)	0.7
MAR - Marital status	4	43	(0.00 , 0.69)	0.6	23	(0.00 , 0.63)	0.4	66	(0.00 , 0.69)	0.5
TSV - Technology facilitated sexual violence	4	61	(0.22 , 0.64)	0.6	45	(0.00 , 0.63)	0.5	106	(0.00 , 0.64)	0.5
ECC - Emerging coercive control	13	597	(0.85 , 1.16)	1.0	487	(0.75 , 1.01)	0.9	1,084	(0.75 , 1.16)	1.0
PAA - Psychological aggression (split 1)	9	220	(0.10 , 1.36)	1.2	153	(0.82 , 1.18)	0.9	373	(0.10 , 1.36)	1.0
SVA - Sexual violence (split 1)	21	252	(0.00 , 2.34)	1.2	442	(0.00 , 4.88)	2.3	694	(0.00 , 4.88)	1.7
PAB - Psychological aggression (split 2)	4	43	(0.29 , 0.94)	0.7	44	(0.22 , 1.18)	0.9	87	(0.22 , 1.18)	0.8
SVB - Sexual violence (split 2)	33	232	(0.00 , 4.08)	1.2	230	(0.00 , 4.76)	1.4	462	(0.00 , 4.76)	1.3
TBI - Traumatic brain injury	22	1177	(0.00 , 19.02)	3.7	777	(0.00 , 21.64)	3.0	1,954	(0.00 , 21.64)	3.4
INT - Internet access and health information technology use	5	110	(0.02 , 0.74)	0.5	71	(0.00 , 0.51)	0.3	181	(0.00 , 0.74)	0.4
TEL - Telephone use	3	63	(0.51 , 0.79)	0.7	30	(0.00 , 0.39)	0.4	93	(0.00 , 0.79)	0.5
TOTAL	178	5,703	(0.00 , 19.02)	1.3	4,591	(0.00 , 21.64)	1.2	10,294	(0.00 , 21.64)	1.3

\1 Missing includes responses of don't know, refused, and did not answer.

\2 Unweighted; missing responses / (valid responses + missing responses). For the TOTAL row, the overall item nonresponse rate is calculated based on the sum of all missing responses and the sum of all valid responses.

Table 8. Percent of removed interviews by panel provider: Rapid Surveys System Round 4

	Number of Speeders\1 and Respondents with High Refusal Rates\2	Number of Completed Interviews Before Data Cleaning	Percent of Interviews Removed
Panel Provider 1	97	4,660	2.1%
Panel Provider 2	22	4,164	0.5%
Total	119	8,824	1.3%

\1 Speeding was defined as completing the survey in or less than one-quarter of the median survey duration.

\2 High refusal rate was defined as skipping or refusing more than 50% of eligible questions.

Table 9. Percent of missing values imputed for weighting by panel provider: Rapid Surveys System Round 4

Variable	Source	Panel Provider 1		Panel Provider 2	
		Percent Imputed in Stage 1\1	Percent Imputed in Stage 2\2	Percent Imputed in Stage 1\1	Percent Imputed in Stage 2\2
Age group	Panel Profiles	0.0%	0.0%	0.0%	0.0%
Sex	Panel Profiles	0.3%	0.0%	0.0%	0.0%
Race and Hispanic origin\3	Panel Profiles	2.7%	0.0%	4.6%	1.2%
Educational attainment	Panel Profiles	1.1%	0.9%	0.8%	0.0%
Employed\4	Panel Profiles	-	0.0%	-	0.0%
Household income\5	Panel Profiles	5.2%	0.0%	3.0%	0.0%
Any health information technology use\6	Questionnaire	-	0.6%	-	0.4%
Adult has a working cell phone	Panel Profiles	-	0.6%	-	0.3%
Ever diagnosed with high cholesterol	Questionnaire	-	0.9%	-	1.7%
Difficulty participating in social activities\7	Questionnaire	-	0.4%	-	0.7%
Region	Panel Profiles	0.0%	0.0%	0.0%	0.0%
Urbanization level	Panel Profiles	-	0.0%	0.0%	1.4%

- Percent of records imputed is not reported as variable was not used for panel specific weighting procedure.

\1 Imputation was performed in two stages. Stage 1 imputation was performed by the panel providers for variables used in their own weighting procedures.

\2 Imputation was performed in two stages. Stage 2 imputation was performed in post-processing for variables required for weight calibration to the National Health Interview Survey.

\3 Race and Hispanic origin was imputed separately in Stage 1 and Stage 2 due to differences in the categories used for weighting in each stage.

\4 Employment status for the NHIS and RSS were based on two employment questions asking whether the respondent worked for pay last week, and, if no, whether the respondent had a job or business last week but was temporarily absent.

\5 Panel Provider 1 collects total household income for the prior calendar year, while Panel Provider 2 collects total household income for the past 12 months. The National Health Interview Survey collects total family income for the prior calendar year. 97.6% of sample adults in the 2023, Quarter 4, National Health Interview Survey Early Release adult datafile resided in single-family households (i.e., household and family income would be analogous).

\6 Any health information technology use was defined as internet use for any of the following reasons: to look for health or medical information; to communicate with a doctor or doctor's office; to look up medical test results.

\7 Responses are based on a question that asked if the respondent, because of a physical, mental or emotional condition, had difficulty participating in social activities, such as visiting friends, attending clubs and meetings, or going to parties.

Table 10. Comparison of panel provider calibration variable estimates\1 to National Health Interview Survey (NHIS) population control totals prior to weight calibration: Rapid Surveys System Round 4

Calibration Variable	NHIS, 2023 Quarter 4 Early Release Estimate (%)	SE\2	Panel Provider 1 Estimate (%)	SE\2	Diff.\3	p-value\4	Panel Provider 2 Estimate (%)	SE\2	Diff.\3	p-value\4	Panel Provider 2 Compared to Panel Provider 1 Diff.\5	p-value\6
Age group												
18-34	29.0	0.74	28.7	0.86	0.4	0.7510	27.6	0.82	1.4	0.1961	-1.1	0.3701
35-49	24.4	0.48	24.7	0.82	-0.2	0.8042	24.4	0.71	0.1	0.9476	-0.3	0.7877
50-64	23.8	0.53	23.8	0.73	0.0	0.9746	26.9	0.70	-3.1	0.0004	3.1	0.0022
65 and older	22.8	0.50	22.9	0.75	-0.1	0.9167	21.1	0.61	1.7	0.0357	-1.7	0.0714
Sex												
Male	48.8	0.67	48.7	1.04	0.1	0.9658	49.0	0.83	-0.2	0.8624	0.2	0.8580
Female	51.2	0.67	51.3	1.04	-0.1	0.9658	51.0	0.83	0.2	0.8624	-0.2	0.8580
Race and Hispanic origin\7												
Black, non-Hispanic	12.6	0.66	12.1	0.82	0.5	0.6370	12.0	0.56	0.6	0.4657	-0.1	0.8915
White, non-Hispanic	61.8	1.07	60.7	1.42	1.1	0.5360	61.2	0.84	0.6	0.6486	0.5	0.7712
Other and multiple races, non-Hispanic	7.9	0.50	9.3	0.62	-1.4	0.0860	9.1	0.55	-1.2	0.1183	-0.2	0.8036
Hispanic	17.7	0.81	17.9	1.06	-0.2	0.8640	17.8	0.69	-0.1	0.9321	-0.1	0.9128
Educational attainment												
Less than high school	10.7	0.55	8.9	0.56	1.8	0.0182	9.4	0.57	1.4	0.0819	0.5	0.5608
High school diploma\8	27.2	0.72	28.7	0.96	-1.5	0.2169	28.8	0.77	-1.6	0.1315	0.1	0.9251
Some college or more	62.0	0.74	62.4	1.04	-0.4	0.7723	61.8	0.83	0.2	0.8497	-0.6	0.6627
Employed\9												
Yes	64.1	0.74	59.9	0.83	3.6	0.0013	63.2	0.79	0.3	0.7784	3.3	0.0045
No	35.9	0.74	40.1	0.83	-3.6	0.0013	36.8	0.79	-0.3	0.7784	-3.3	0.0045
Household income\10												
Less than $50,000	30.9	0.86	38.3	0.97	-7.4	0.0000	26.4	0.75	4.5	0.0001	-11.9	0.0000
$50,000 to less than $100,000	30.1	0.65	32.6	0.76	-2.5	0.0128	28.4	0.74	1.7	0.0847	-4.2	0.0001
$100,000 or more	39.0	0.85	29.1	0.99	9.9	0.0000	45.2	0.82	-6.2	0.0000	16.0	0.0000
Any health information technology use\11												
Yes	69.6	0.73	84.7	0.71	-15.1	0.0000	85.9	0.61	-16.3	0.0000	1.2	0.2074
No	30.4	0.73	15.3	0.71	15.1	0.0000	14.1	0.61	16.3	0.0000	-1.2	0.2074
Adult has a working cell phone												
Yes	96.9	0.26	94.7	0.38	2.2	0.0000	95.7	0.37	1.2	0.0066	1.0	0.0630
No	3.1	0.26	5.3	0.38	-2.2	0.0000	4.3	0.37	-1.2	0.0066	-1.0	0.0630
Ever diagnosed with high cholesterol												
Yes	28.5	0.74	38.4	0.85	-10.0	0.0000	33.0	0.75	-4.50	0.0000	-5.5	0.0000
No	71.5	0.74	61.6	0.85	10.0	0.0000	67.0	0.75	4.50	0.0000	5.5	0.0000
Difficulty participating in social activities\12												
No difficulty/some difficulty	95.1	0.33	93.8	0.40	1.4	0.0098	95.3	0.36	-0.2	0.7368	1.5	0.0051
A lot of difficulty/cannot do	4.9	0.33	6.2	0.40	-1.4	0.0098	4.7	0.36	0.2	0.7368	-1.5	0.0051
Region												
Northeast	17.6	0.89	17.4	1.22	0.2	0.8884	17.3	0.63	0.2	0.8288	0.0	0.9858
Midwest	20.7	0.92	20.4	2.00	0.2	0.9188	20.5	0.66	0.2	0.8586	0.0	0.9915
South	38.1	1.30	38.6	2.03	-0.5	0.8396	38.6	0.81	-0.4	0.7694	0.0	0.9857
West	23.6	1.52	23.6	1.42	0.1	0.9797	23.6	0.71	0.0	0.9944	0.0	0.9794
Urbanization level												
Metropolitan	86.2	0.85	86.2	0.67	-0.1	0.9337	86.7	0.54	-0.6	0.5679	0.5	0.5754
Nonmetropolitan	13.8	0.85	13.8	0.67	0.1	0.9337	13.3	0.54	0.6	0.5679	-0.5	0.5754

\1 All survey estimates calculated with contractor provided analysis weights. Calibration totals treated as population values for test of significance.

\2 Weighted standard error (SE) accounting for sampling design.

\3 Diff. = difference; NHIS calibration total - survey estimate.

\4 p-value reported for two-sided z-test comparing panel provider estimate to NHIS estimate.

\5 Diff. = difference; Panel Provider 2 estimate - Panel Provider 1 estimate.

\6 p-value reported for two-sided z-test comparing Panel Provider 2 estimate to Panel Provider 1 estimate.

\7 Adults categorized as Hispanic may be any race or combination of races. Adults categorized as Black non-Hispanic and White non-Hispanic indicated one race only. Non-Hispanic adults of multiple or other races are combined into the Other and multiple races non-Hispanic category.

\8 Includes adults who have a GED.

\9 Employment status for the NHIS and RSS were based on two employment questions asking whether the respondent worked for pay last week, and, if no, whether the respondent had a job or business last week but was temporarily absent.

\10 Panel Provider 1 collects total household income for the prior calendar year, while Panel Provider 2 collects total household income for the past 12 months. The National Health Interview Survey collects total family income for the prior calendar year. 97.6% of sample adults in the 2023, Quarter 4, National Health Interview Survey Early Release adult datafile resided in single-family households (i.e., household and family income would be analogous).

\11 Any health information technology use was defined as internet use for any of the following reasons: to look for health or medical information; to communicate with a doctor or doctor's office; to look up medical test results.

\12 Responses are based on a question that asked if the respondent, because of a physical, mental or emotional condition, had difficulty participating in social activities, such as visiting friends, attending clubs and meetings, or going to parties.

Table 11. Comparison of calibrated estimates and population control totals for calibration variables by panel provider: Rapid Surveys System Round 4

Calibration Variable	Calibration Total\1	Panel Provider 1 Estimate\2	SE\3	Diff.\4	Panel Provider 2 Estimate\2	SE\3	Diff.\4	Combined Estimate\2	SE\3	Diff.\4
Age group										
18-34	75,213,008	75,213,008	3,294,917.08	0	75,213,008	2,183,130.07	0	75,213,008	2,914,508.78	0
35-49	63,279,261	63,279,261	3,007,127.98	0	63,279,261	1,814,749.28	0	63,279,261	2,227,481.24	0
50-64	61,623,049	61,623,049	2,434,750.32	0	61,623,049	1,493,888.76	0	61,623,049	1,865,471.27	0
65 and older	58,953,601	58,953,601	2,932,221.64	0	58,953,601	1,616,009.95	0	58,953,601	1,758,862.92	0
Sex										
Male	126,431,019	126,431,019	4,339,929.86	0	126,431,019	2,532,789.26	0	126,431,019	2,990,943.21	0
Female	132,637,900	132,637,900	4,167,041.97	0	132,637,900	2,352,785.37	0	132,637,900	2,657,949.23	0
Race and Hispanic origin\5										
Black, non-Hispanic	32,662,446	32,662,446	2,520,839.95	0	32,662,446	1,511,076.99	0	32,662,446	1,841,198.95	0
White, non-Hispanic	160,179,080	160,179,080	5,465,912.68	0	160,179,080	2,782,808.94	0	160,179,080	2,567,720.06	0
Other and multiple races, non-Hispanic	20,471,667	20,471,667	1,708,783.70	0	20,471,667	1,109,214.72	0	20,471,667	1,457,288.44	0
Hispanic	45,755,726	45,755,726	3,328,393.87	0	45,755,726	1,916,757.21	0	45,755,726	2,225,261.11	0
Educational attainment										
Less than high school	27,847,959	27,847,959	2,060,057.72	0	27,847,959	1,465,389.22	0	27,847,959	2,051,506.63	0
High school diploma\6	70,568,449	70,568,449	3,276,892.57	0	70,568,449	2,005,056.84	0	70,568,449	2,496,816.89	0
Some college or more	160,652,511	160,652,511	4,917,957.97	0	160,652,511	2,549,204.02	0	160,652,511	2,460,440.77	0
Employed\7										
Yes	164,399,613	164,399,613	5,131,470.90	0	164,399,613	2,802,434.53	0	164,399,613	3,003,934.52	0
No	94,669,306	94,669,306	3,157,743.61	0	94,669,306	1,982,469.17	0	94,669,306	2,530,685.70	0
Household income\8										
Less than $50,000	80,058,764	80,058,764	3,604,766.56	0	80,058,764	2,225,485.66	0	80,058,764	2,796,118.12	0
$50,000 to less than $100,000	77,979,705	77,979,705	2,870,652.93	0	77,979,705	1,830,014.07	0	77,979,705	2,368,136.71	0
$100,000 or more	101,030,450	101,030,450	4,192,518.18	0	101,030,450	2,232,172.72	0	101,030,450	2,282,876.69	0
Any health information technology use\9										
Yes	180,351,791	180,351,791	4,818,854.65	0	180,351,791	2,261,217.26	0	180,351,791	1,514,646.60	0
No	78,717,128	78,717,128	4,335,493.65	0	78,717,128	2,745,358.70	0	78,717,128	3,531,812.18	0
Adult has a working cell phone										
Yes	251,030,657	251,030,657	6,558,852.34	0	251,030,657	3,272,612.70	0	251,030,657	2,849,039.85	0
No	8,038,262	8,038,262	663,589.99	0	8,038,262	573,658.17	0	8,038,262	876,758.66	0
Ever diagnosed with high cholesterol										
Yes	73,775,230	73,775,230	2,678,011.01	0	73,775,230	1,578,302.27	0	73,775,230	1,886,129.65	0
No	185,293,689	185,293,689	5,620,281.62	0	185,293,689	3,076,228.36	0	185,293,689	3,309,983.10	0
Difficulty participating in social activities\10										
No difficulty/some difficulty	246,410,922	246,410,922	5,855,016.57	0	246,410,922	3,010,629.48	0	246,410,922	2,849,845.64	0
A lot of difficulty/cannot do	12,657,997	12,657,997	1,229,867.11	0	12,657,997	836,682.84	0	12,657,997	1,138,408.88	0
Region										
Northeast	45,555,350	45,555,350	3,437,625.19	0	45,555,350	1,829,283.90	0	45,555,350	1,868,863.30	0
Midwest	53,543,230	53,543,230	5,262,279.42	0	53,543,230	2,560,817.09	0	53,543,230	2,043,067.83	0
South	98,744,790	98,744,790	6,203,799.84	0	98,744,790	3,095,291.35	0	98,744,790	2,694,223.48	0
West	61,225,549	61,225,549	4,422,763.73	0	61,225,549	2,281,608.04	0	61,225,549	2,177,167.52	0
Urbanization level										
Metropolitan	223,208,365	223,208,365	6,431,258.31	0	223,208,365	3,252,493.51	0	223,208,365	2,946,749.51	0
Nonmetropolitan	35,860,554	35,860,554	1,891,074.24	0	35,860,554	1,290,191.66	0	35,860,554	1,758,904.21	0

\1 Panel provider weights were calibrated to control totals based on the 2023, Quarter 4, National Health Interview Survey Early Release Adult datafile using the procedure WTADJUST in SUDAAN.
\2 All survey estimates calculated with calibrated version of the panel provider analysis weights.
\3 Calibration-weighted standard error (SE) accounting for sampling design but not the calibration.
\4 Diff. = difference; calibration total minus survey estimate.
\5 Adults categorized as Hispanic may be any race or combination of races. Adults categorized as Black non-Hispanic and White non-Hispanic indicated one race only. Non-Hispanic adults of multiple or other races are combined into the Other and multiple races non-Hispanic category.
\6 Includes adults with a GED.

\7 Employment status for the NHIS and RSS were based on two employment questions asking whether the respondent worked for pay last week, and, if no, whether the respondent had a job or business last week but was temporarily absent.

\8 Panel Provider 1 collects total household income for the prior calendar year, while Panel Provider 2 collects total household income for the past 12 months. The NHIS collects total family income for the prior calendar year. 97.6% of sample adults in the 2023, Quarter 4, National Health Interview Survey Early Release adult datafile resided in single-family households (i.e., household and family income would be analogous).

\9 Any health information technology use was defined as internet use for any of the following reasons: to look for health or medical information; to communicate with a doctor or a doctor's office; to look up medical test results.

\10 Responses are based on a question that asked if the respondent, because of a physical, mental or emotional condition, had difficulty participating in social activities, such as visiting friends, attending clubs and meetings, or going to parties.

Table 12. Summary of significant adjustment functions\1 by panel provider: Rapid Surveys System Round 4

Calibration Variable	Panel Provider 1	Panel Provider 2
Age group	*	*
Sex	*	*
Race and Hispanic origin	*	
Educational attainment	*	*
Employed	*	*
Household income	*	*
Any health information technology use	*	*
Adult has a working cell phone	*	*
Ever diagnosed with high cholesterol	*	*
Difficulty participating in social activities		
Region		
Urbanization level		

NOTE. * indicates a p-value < 0.05.

\1 Panel provider weights were calibrated to control totals based on the 2023, Quarter 4, National Health Interview Survey Early Release Adult datafile using the procedure WTADJUST in SUDAAN.

Table 13. Descriptive statistics for calibration adjustment factors by panel provider: Rapid Surveys System Round 4

Statistic	Panel Provider 1	Panel Provider 2	Combined
100% (maximum)	2.858	2.751	2.858
99%	2.685	2.531	2.604
95%	2.291	2.298	2.298
90%	1.946	1.991	1.964
75% (quartile 3)	1.296	1.072	1.151
50% (median)	0.842	0.875	0.861
25% (quartile 1)	0.546	0.714	0.636
10%	0.368	0.581	0.449
5%	0.288	0.502	0.326
1%	0.107	0.227	0.170
0% (minimum)	0.042	0.117	0.042
Mean	0.991	1.001	0.996
Standard deviation	0.599	0.504	0.556
Coefficient of variation	60.488	50.343	55.837

Table 14. Sample size, effective sample size, and composite factor by panel provider: Rapid Surveys System Round 4

Panel Provider	Sample Size	Effective Sample Size	Composite Factor
Panel Provider 1	4,563	2,136	0.434
Panel Provider 2	4,142	2,783	0.566

Table 15. Descriptive statistics for calibrated weights by panel provider and combined: Rapid Surveys System Round 4

Statistic	Panel Provider 1 P1_CALWT\1	Panel Provider 2 P2_CALWT\2	Combined WEIGHT\3
100% (maximum)	665,564	357,684	289,017
99%	325,359	246,105	139,261
95%	171,204	156,962	81,684
90%	123,593	117,357	57,854
75% (quartile 3)	71,907	66,126	34,933
50% (median)	37,690	49,616	24,247
25% (quartile 1)	19,464	39,601	13,734
10%	10,682	31,127	6,718
5%	6,487	23,420	4,420
1%	2,344	12,873	1,567
0% (minimum)	458	3,593	199
Sum	259,068,919	259,068,919	259,068,919
Mean	56,776	62,547	29,761
Standard deviation	60,516	43,703	26,106
Coefficient of variation	106.59	69.87	87.72
Design effect	2.14	1.49	1.77

\1 Variable name for Panel Provider 1 weight calibrated to 2023, Quarter 4, National Health Interview Survey Early Release adult control totals.

\2 Variable name for Panel Provider 2 weight calibrated to 2023, Quarter 4, National Health Interview Survey Early Release adult control totals.

\3 Variable name for final weight that combines the calibrated panel provider weights using the composite factor presented in Table 14.

Table 16. Estimate, standard error, and bias of panel study and calibrated weights for benchmarking variables by panel provider compared to National Health Interview Survey (NHIS): Rapid Surveys System Round 4

Health Domain	Variable	NHIS Sample Size	NHIS Estimate\1	NHIS SE\2	PP1 Panel Study Sample Size	PP1 Panel Study Estimate	PP1 Panel Study SE\2	PP1 Panel Study Absolute Bias	PP1 Panel Study Standardized Bias\3	PP1 Final Calibrated Estimate	PP1 Final Calibrated SE\2	PP1 Final Calibrated Absolute Bias	PP1 Final Calibrated Standardized Bias\3	PP2 Panel Study Sample Size	PP2 Panel Study Estimate	PP2 Panel Study SE\2	PP2 Panel Study Absolute Bias	PP2 Panel Study Standardized Bias\3	PP2 Final Calibrated Estimate	PP2 Final Calibrated SE\2	PP2 Final Calibrated Absolute Bias	PP2 Final Calibrated Standardized Bias\3
	Wear glasses or contact lenses	7,372	62.7	0.72	4,548	69.1	0.85	6.43	0.13	68.0	0.97	5.30	0.11	4,134	65.8	0.81	3.05	0.06	63.8	0.95	1.09	0.02
	Vision difficulty (a lot of difficulty, cannot do at all)	7,372	1.5	0.17	4,555	3.0	0.29	1.56	0.13	2.4	0.27	0.92	0.08	4,131	2.4	0.27	0.89	0.07	2.4	0.30	0.90	0.07
	Use a hearing aid	7,371	4.4	0.20	4,554	5.4	0.33	0.98	0.05	4.6	0.34	0.25	0.01	4,130	5.2	0.33	0.82	0.04	5.4	0.38	1.00	0.05
	Hearing difficulty (a lot of difficulty, cannot do at all)	7,372	1.7	0.18	4,557	2.7	0.26	1.03	0.08	2.2	0.26	0.51	0.04	4,134	1.3	0.18	0.41	0.03	1.3	0.21	0.42	0.03
Disability	Difficulty walking or climbing steps (a lot of difficulty, cannot do at all)	7,370	5.1	0.31	4,542	5.8	0.44	0.67	0.03	4.6	0.45	0.53	0.02	4,114	4.3	0.31	0.83	0.04	4.3	0.38	0.81	0.04
	Difficulty communicating (a lot of difficulty, cannot do at all)	7,370	0.9	0.14	4,547	1.3	0.22	0.42	0.04	1.1	0.25	0.18	0.02	4,127	0.9	0.17	0.03	0.00	1.1	0.23	0.17	0.02
	Difficulty remembering or concentrating (a lot of difficulty, cannot do at all)	7,368	3.0	0.26	4,546	6.0	0.43	2.91	0.17	4.9	0.49	1.83	0.11	4,119	3.6	0.33	0.52	0.03	3.4	0.36	0.38	0.02
	Difficulty with self-care (a lot of difficulty, cannot do at all)	7,370	1.5	0.20	4,535	1.7	0.27	0.25	0.02	1.1	0.22	0.32	0.03	4,106	1.2	0.19	0.28	0.02	1.0	0.20	0.46	0.04
	Disability status	7,368	9.5	0.43	4,496	14.8	0.64	5.27	0.18	12.4	0.79	2.91	0.10	4,043	9.9	0.50	0.44	0.02	9.7	0.56	0.17	0.01
	Did difficulty begin before age 22?	1,117	18.8	1.70	590	33.4	2.67	14.55	0.37	35.8	3.54	16.95	0.43	357	33.5	2.80	14.69	0.38	34.4	3.22	15.56	0.40
Health Behaviors	Ever smoked 100 cigarettes	7,126	33.7	0.68	4,523	37.3	0.76	3.66	0.08	34.8	1.01	1.10	0.02	4,123	33.7	0.77	0.08	0.00	32.9	0.87	0.71	0.02
	Currently smoke every day or some days	2,602	32.1	1.48	1,704	30.5	1.52	1.55	0.03	30.5	1.83	1.57	0.03	1,474	27.9	1.27	4.16	0.09	30.0	1.53	2.08	0.04
	Current cigarette smoking	7,125	10.8	0.57	4,520	11.4	0.56	0.58	0.02	10.6	0.63	0.20	0.01	4,121	9.4	0.49	1.38	0.04	9.9	0.59	0.92	0.03
Health Status: Chronic Health Conditions	Ever diagnosed with hypertension	7,365	32.1	0.56	4,541	38.0	0.87	5.91	0.13	33.6	1.00	1.44	0.03	4,118	31.9	0.75	0.25	0.01	29.8	0.81	2.32	0.05
	Ever diagnosed with asthma	7,366	14.6	0.45	4,547	20.3	0.77	5.70	0.16	18.8	0.78	4.24	0.12	4,123	15.8	0.62	1.16	0.03	14.5	0.64	0.10	0.00
	Ever diagnosed with cancer	7,366	9.5	0.39	4,540	13.3	0.57	3.83	0.13	12.7	0.68	3.22	0.11	4,106	10.1	0.45	0.62	0.02	9.7	0.48	0.20	0.01
	Feel worried, nervous, or anxious daily/weekly	7,190	30.4	0.69	4,535	34.5	0.94	4.12	0.09	30.1	0.99	0.31	0.01	4,125	29.2	0.76	1.18	0.03	27.3	0.82	3.13	0.07
	Take medication for feeling worried, nervous, or anxious	7,202	14.7	0.51	4,514	20.6	0.69	5.89	0.17	17.9	0.74	3.17	0.09	4,051	15.4	0.59	0.65	0.02	14.1	0.61	0.60	0.02
Health Status: Mental and Self-Rated Health	A lot of worry, nervousness, or anxiety last time had feelings	5,141	12.1	0.62	3,193	19.5	1.02	7.44	0.23	17.1	0.96	5.03	0.15	2,819	15.6	0.76	3.56	0.11	15.9	0.87	3.85	0.12
	Regularly had feelings of worry, nervousness, or anxiety	7,183	12.7	0.46	4,531	17.9	0.81	5.20	0.16	15.4	0.77	2.62	0.08	4,123	13.7	0.59	0.91	0.03	13.0	0.64	0.26	0.01
	Feel depressed daily/weekly	7,177	11.3	0.46	4,521	21.6	0.87	10.26	0.32	18.2	0.94	6.85	0.22	4,080	16.6	0.63	5.28	0.17	15.6	0.67	4.22	0.13
	Take medication for depression	7,193	11.7	0.47	4,514	16.0	0.64	4.32	0.13	13.5	0.70	1.84	0.06	4,075	12.1	0.53	0.39	0.01	11.1	0.55	0.56	0.02
	A lot of depression last time felt depressed	3,504	13.4	0.71	2,660	20.5	1.25	7.11	0.21	18.3	1.28	4.84	0.14	2,102	17.0	0.89	3.58	0.10	16.7	0.98	3.26	0.10
	Regularly had feelings of depression	7,175	5.3	0.33	4,518	11.1	0.69	5.77	0.26	9.1	0.68	3.82	0.17	4,077	8.0	0.47	2.72	0.12	7.6	0.50	2.25	0.10
	Excellent or very good health (self-rated)	7,369	55.9	0.79	4,556	43.0	1.20	12.91	0.26	47.2	1.37	8.64	0.17	4,132	47.1	0.83	8.79	0.18	48.4	0.95	7.52	0.15
	Place usually go to when sick and need health care	7,314	89.4	0.42	4,539	90.1	0.58	0.72	0.02	88.2	0.81	1.19	0.04	4,126	88.6	0.57	0.74	0.02	86.6	0.74	2.75	0.09
	What kind of place: doctor's office or health center	7,313	76.8	0.62	4,529	73.8	0.80	2.94	0.07	72.4	1.02	4.41	0.10	4,116	74.3	0.75	2.51	0.06	72.5	0.90	4.28	0.10
	What kind of place: urgent care center/clinic in drug store	7,313	8.3	0.37	4,529	9.7	0.56	1.40	0.05	9.7	0.59	1.45	0.05	4,116	8.7	0.47	0.37	0.01	8.3	0.52	0.00	0.00
Healthcare Access	What kind of place: all other kinds	7,313	4.0	0.29	4,529	6.0	0.45	2.04	0.10	5.5	0.48	1.54	0.08	4,116	4.8	0.36	0.76	0.04	4.9	0.43	0.92	0.05
	Usual source of care	7,309	87.5	0.49	4,529	86.6	0.72	0.90	0.03	84.8	0.95	2.65	0.08	4,116	85.9	0.62	1.57	0.05	83.8	0.79	3.70	0.11
	Delayed mental health care due to cost (past 12 months)	7,194	6.1	0.34	4,500	12.8	0.50	6.68	0.28	10.8	0.60	4.72	0.20	4,099	8.2	0.47	2.08	0.09	7.5	0.47	1.36	0.06
	Did not receive mental health care due to cost (past 12 months)	7,194	5.5	0.38	4,507	12.2	0.58	6.72	0.29	10.3	0.59	4.80	0.21	4,073	8.3	0.48	2.77	0.12	7.8	0.49	2.28	0.10
	Saw doctor/other health professional in past 12 months	7,311	84.1	0.59	4,538	80.0	0.78	4.13	0.11	77.5	0.96	6.63	0.18	4,129	80.7	0.70	3.49	0.10	77.5	0.89	6.69	0.18
	Hospitalized overnight in past 12 months	7,307	8.9	0.40	4,540	9.6	0.53	0.67	0.02	7.9	0.54	0.99	0.03	4,134	7.2	0.42	1.73	0.06	6.6	0.43	2.29	0.08
Healthcare Utilization	Receive mental health counseling in past 12 months	7,194	14.1	0.44	4,513	16.4	0.65	2.31	0.07	14.0	0.68	0.10	0.00	4,070	12.9	0.56	1.16	0.03	11.6	0.56	2.47	0.07
	Currently receiving mental health counseling	7,193	9.2	0.33	4,508	10.7	0.53	1.48	0.05	8.9	0.53	0.28	0.01	4,068	9.1	0.48	0.07	0.00	8.3	0.49	0.85	0.03
	Took prescription medication in past 12 months to help with emotions or with concentration, behavior, or mental health	7,192	19.3	0.61	4,482	26.1	0.76	6.86	0.17	22.8	0.85	3.53	0.09	4,005	20.5	0.67	1.23	0.03	19.0	0.71	0.26	0.01

\1 Estimates and standard errors are based on the 2023, Quarter 4, National Health Interview Survey Early Release Datafile for adults.

\2 SE is standard error.

\3 Standardized bias is calculated as |panel provider estimate – NHIS estimate|/sqrt(NHIS estimate *(100 – NHIS estimate)) for percentages and as |panel provider estimate – NHIS estimate|/(NHIS standard error * sqrt(NHIS sample size/NHIS design effect)) for continuous variables.

Table 17. Estimate, standard error, and bias of benchmarking variables compared to National Health Interview Survey: Rapid Surveys System Round 4

Health Domain	Variable	NHIS\1 Sample Size	Estimate	SE\2	RSS-4 Sample Size	Estimate	SE\2	Absolute Bias	Standardized Bias\3
	Wear glasses or contact lenses	7,372	62.7	0.72	8,682	65.6	0.68	2.92	0.06
	Vision difficulty (a lot of difficulty, cannot do at all)	7,372	1.5	0.17	8,686	2.4	0.21	0.91	0.08
	Use a hearing aid	7,371	4.4	0.20	8,684	5.1	0.26	0.67	0.03
	Hearing difficulty (a lot of difficulty, cannot do at all)	7,372	1.7	0.18	8,691	1.7	0.17	0.02	0.00\4
Disability	Difficulty walking or climbing steps (a lot of difficulty, cannot do at all)	7,370	5.1	0.31	8,656	4.4	0.29	0.69	0.03
	Difficulty communicating (a lot of difficulty, cannot do at all)	7,370	0.9	0.14	8,674	1.1	0.17	0.17	0.02
	Difficulty remembering or concentrating (a lot of difficulty, cannot do at all)	7,368	3.0	0.26	8,665	4.1	0.29	1.01	0.06
	Difficulty with self-care (a lot of difficulty, cannot do at all)	7,370	1.5	0.20	8,641	1.1	0.15	0.40	0.03
	Disability status	7,368	9.5	0.43	8,539	10.9	0.47	1.37	0.05
	Did difficulty begin before age 22?	1,117	18.8	1.70	947	35.1	2.38	16.24	0.42
Health Behaviors	Ever smoked 100 cigarettes	7,126	33.7	0.68	8,646	33.7	0.66	0.07	0.00\4
	Currently smoke every day or some days	2,602	32.1	1.48	3,178	30.2	1.17	1.85	0.04
	Current cigarette smoking	7,125	10.8	0.57	8,641	10.2	0.43	0.61	0.02
Health Status: Chronic Health Conditions	Ever diagnosed with hypertension	7,365	32.1	0.56	8,659	31.4	0.63	0.69	0.01
	Ever diagnosed with asthma	7,366	14.6	0.45	8,670	16.4	0.49	1.79	0.05
	Ever diagnosed with cancer	7,366	9.5	0.39	8,646	11.0	0.40	1.51	0.05
	Feel worried, nervous, or anxious daily/weekly	7,190	30.4	0.69	8,660	28.5	0.63	1.91	0.04
	Take medication for feeling worried, nervous, or anxious	7,202	14.7	0.51	8,565	15.8	0.47	1.04	0.03
	A lot of worry, nervousness, or anxiety last time had feelings	5,141	12.1	0.62	6,012	16.4	0.65	4.37	0.13
	Regularly had feelings of worry, nervousness, or anxiety	7,183	12.7	0.46	8,654	14.0	0.49	1.28	0.04
Health Status: Mental and Self-Rated Health	Feel depressed daily/weekly	7,177	11.3	0.46	8,601	16.7	0.56	5.37	0.17
	Take medication for depression	7,193	11.7	0.47	8,589	12.2	0.44	0.49	0.02
	A lot of depression last time felt depressed	3,504	13.4	0.71	4,762	17.4	0.79	3.99	0.12
	Regularly had feelings of depression	7,175	5.3	0.33	8,595	8.2	0.41	2.94	0.13
	Excellent or very good health (self-rated)	7,369	55.9	0.79	8,688	47.9	0.80	8.01	0.16
	Place usually go to when sick and need health care	7,314	89.4	0.42	8,665	87.3	0.55	2.07	0.07
	What kind of place: doctor's office or health center	7,313	76.8	0.62	8,645	72.4	0.67	4.33	0.10
	What kind of place: urgent care center/clinic in drug store	7,313	8.3	0.37	8,645	8.9	0.39	0.63	0.02
Healthcare Access	What kind of place: all other kinds	7,313	4.0	0.29	8,645	5.2	0.32	1.19	0.06
	Usual source of care	7,309	87.5	0.49	8,645	84.2	0.61	3.25	0.10
	Delayed mental health care due to cost (past 12 months)	7,194	6.1	0.34	8,599	8.9	0.37	2.82	0.12
	Did not receive mental health care due to cost (past 12 months)	7,194	5.5	0.38	8,580	8.9	0.38	3.38	0.15
	Saw doctor/other health professional in past 12 months	7,311	84.1	0.59	8,667	77.5	0.65	6.67	0.18
	Hospitalized overnight in past 12 months	7,307	8.9	0.40	8,674	7.2	0.34	1.72	0.06
Healthcare Utilization	Receive mental health counseling in past 12 months	7,194	14.1	0.44	8,583	12.6	0.43	1.43	0.04
	Currently receiving mental health counseling	7,193	9.2	0.33	8,576	8.6	0.36	0.60	0.02
	Took prescription medication in past 12 months to help with emotions or with concentration, behavior, or mental health	7,192	19.3	0.61	8,487	20.7	0.55	1.40	0.04

\1 Estimates and standard errors are based on the 2023, Quarter 4, National Health Interview Survey Early Release Datafile for adults.

\2 SE is standard error.

\3 Standardized bias is calculated as |panel provider estimate - NHIS estimate|/sqrt(NHIS estimate *(100 - NHIS estimate)) for percentages and as |panel provider estimate - NHIS estimate|/(NHIS standard error * sqrt(NHIS sample size/NHIS design effect)) for continuous variables.

\4 The value was set to 0.00 due to rounding.

Table 18. Average absolute bias and average standardized bias of benchmarking variable health domains compared to National Health Interview Survey: Rapid Surveys System Round 4

Health Domain	Number of Benchmarking Variables	Average Absolute Bias	Average Standardized Bias\1
Disability	10	2.50	0.08
Health Behaviors	3	1.01	0.02
Health Status: Chronic Health Conditions	3	1.72	0.05
Health Status: Mental and Self-Rated Health	9	3.41	0.10
Healthcare Access	7	2.56	0.09
Healthcare Utilization	5	2.39	0.07

NOTES: Average absolute bias and average standardized bias are calculated relative to estimates from the 2023, Quarter 4, National Health Interview Survey Early Release Datafile for adults.

\1 Average standardized bias is the mean of standardized biases for the benchmark variables in a domain, where standardized bias is calculated for each benchmark variable as |panel provider estimate - NHIS estimate|/sqrt(NHIS estimate *(100 - NHIS estimate)) for percentages and as |panel provider estimate - NHIS estimate|/(NHIS standard error * sqrt(NHIS sample size/NHIS design effect)) for continuous variables.