RSS-6 Quality Profile Tables

Table 1. Collection dates, number of interviews targeted and completed, and sample sizes by panel provider: Rapid Surveys System Round 6

Panel Provider	Collection Dates	Targeted Number of Completed Interviews	Sample Size	Number of Completed Interviews
Combined	2/05/2025-3/03/2025	7,000	13,912	7,923
Panel Provider 1	2/05/2025-3/03/2025	4,000	9,570	4,884
Panel Provider 2	2/05/2025-2/24/2025	3,000	4,342	3,039

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 6

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	29.9	80.2	---	51.0	12.2
Panel Provider 2	9.3	29.7	62.0	70.0	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 6

	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	9,570	4,884	51.0	4,342	3,039	70.0	13,912	7,923	57.0
Age group									
18-24	916	372	40.6	435	230	52.9	1,351	602	44.6
25-34	2,340	1,029	44.0	625	384	61.4	2,965	1,413	47.7
35-44	1,762	880	49.9	802	532	66.3	2,564	1,412	55.1
45-64	2,836	1,547	54.5	1,431	1024	71.6	4,267	2,571	60.3
65 and older	1,716	1,056	61.5	1,049	869	82.8	2,765	1,925	69.6
Sex									
Male	4,571	2,315	50.6	2,104	1513	71.9	6,675	3,828	57.3
Female	4,999	2,569	51.4	2,238	1526	68.2	7,237	4,095	56.6
Race and Hispanic origin\2									
Asian, non-Hispanic	347	168	48.4	188	124	66.0	535	292	54.6
Black, non-Hispanic	1,340	606	45.2	500	320	64.0	1,840	926	50.3
White, non-Hispanic	5,166	2,941	56.9	2,707	2015	74.4	7,873	4,956	62.9
Other and multiple races, non-Hispanic	477	222	46.5	198	142	71.7	675	364	53.9
Hispanic	2,240	947	42.3	702	410	58.4	2,942	1,357	46.1
Educational attainment									
Less than high school	870	331	38.0	347	208	59.9	1,217	539	44.3
High school diploma\3	2,010	968	48.2	1,161	804	69.3	3,171	1,772	55.9
Some college	3,747	1,864	49.7	1,174	793	67.5	4,921	2,657	54.0
Bachelor's degree or more	2,943	1,721	58.5	1,660	1234	74.3	4,603	2,955	64.2
Urbanization level									
Metropolitan	8,178	4,139	50.6	3,699	2,592	70.1	11,877	6,731	56.7
Nonmetropolitan	1,392	745	53.5	588	409	69.6	1,980	1,154	58.3

\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 6

Section	Number of Questions	Panel Provider 1	Panel Provider 2
Total time	171	12.9	13.6
HIS - Self-reported health status	1	0.1	0.1
CHR - Chronic conditions	9	0.5	0.5
DIB - Diabetes	3	0.2	0.3
SSS - Stroke signs and symptoms	13	1.9	2.0
CIG - Cigarette smoking	9	0.5	0.5
PPP - Produce prescription programs	14	1.0	1.1
ACC - Healthcare access and utilization	10	1.5	1.6
HCA - Health care access	2	0.2	0.2
IMM - Health care utilization - immunization	4	0.4	0.4
HPV - HPV self-testing	30	1.8	1.9
SOC - Social and work limitations	3	0.5	0.5
PAY - Social determinants: paying medical bills	3	0.3	0.3
CWD - Chronic wasting disease	28	0.8	0.8
EMP - Health insurance	4	0.6	0.7
MAR - Marital status	4	0.1	0.1
CIV - Civic engagement	4	0.4	0.4
FSC - Social determinants – food insecurity	10	0.4	0.4
LAN - Language items	4	0.1	0.1
DEM - Race/ethnicity	8	0.3	0.3
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 6

Section	Number of Questions	Panel Provider 1 Number of Breakoffs	Panel Provider 1 Percentage of Breakoffs	Panel Provider 2 Number of Breakoffs	Panel Provider 2 Percentage of Breakoffs	Combined Number of Breakoffs	Combined Percentage of Breakoffs
Intro screens and HIS - Self-reported health status	1	14	12.2	39	36.1	53	23.8
CHR - Chronic conditions	9	13	11.3	5	4.6	18	8.1
DIB - Diabetes	3	6	5.2	1	0.9	7	3.1
SSS - Stroke signs and symptoms	13	25	21.7	17	15.7	42	18.8
CIG - Cigarette smoking	9	6	5.2	6	5.6	12	5.4
PPP - Produce prescription programs	14	10	8.7	7	6.5	17	7.6
ACC - Healthcare access and utilization	10	8	7.0	6	5.6	14	6.3
HCA - Health care access	2	0	0.0	0	0.0	0	0.0
IMM - Health care utilization - immunization	4	5	4.3	3	2.8	8	3.6
HPV - HPV self-testing	30	4	3.5	7	6.5	11	4.9
SOC - Social and work limitations	3	5	4.3	1	0.9	6	2.7
PAY - Social determinants: paying medical bills	3	1	0.9	1	0.9	2	0.9
CWD - Chronic wasting disease	28	0	0.0	1	0.9	1	0.4
EMP - Health insurance	4	3	2.6	4	3.7	7	3.1
MAR - Marital status	4	2	1.7	3	2.8	5	2.2
CIV - Civic engagement	4	1	0.9	2	1.9	3	1.3
FSC - Social determinants – food insecurity	10	7	6.1	0	0.0	7	3.1
LAN - Language items	4	1	0.9	0	0.0	1	0.4
DEM - Race/ethnicity	8	0	0.0	0	0.0	0	0.0
INT - Internet access and health information technology use	5	3	2.6	4	3.7	7	3.1
TEL - Telephone use	3	1	0.9	1	0.9	2	0.9
TOTAL	171	115	100.0	108	100.0	223	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 2.3% (115 of 4,999 panelists who started the survey) and the overall breakoff rate for Panel Provider 2 was 3.4% (108 of 3,147 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 6

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%	104	60.8	98	57.3	102	59.6
1% to <5%	58	33.9	64	37.4	60	35.1
5% to <10%	8	4.7	7	4.1	8	4.7
>10%	1	0.6	2	1.2	1	0.6
TOTAL	171	100.0	171	100.0	171	100.0

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 6

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	9	(0.18 , 0.18)	0.2	5	(0.16 , 0.16)	0.2	14	(0.16 , 0.18)	0.2
CHR - Chronic conditions	9	213	(0.23 , 1.35)	0.6	139	(0.16 , 2.01)	0.6	352	(0.16 , 2.01)	0.6
DIB - Diabetes	3	52	(0.16 , 0.70)	0.4	46	(0.20 , 1.12)	0.6	98	(0.16 , 1.12)	0.5
SSS - Stroke signs and symptoms	13	433	(0.00 , 1.09)	0.7	297	(0.16 , 1.38)	0.8	730	(0.00 , 1.38)	0.7
CIG - Cigarette smoking	9	137	(0.00 , 4.37)	0.5	117	(0.18 , 2.52)	0.8	254	(0.00 , 4.37)	0.6
PPP - Produce prescription programs	14	202	(0.00 , 1.15)	0.5	158	(0.00 , 1.88)	0.6	360	(0.00 , 1.88)	0.5
ACC - Healthcare access and utilization	10	819	(0.32 , 4.77)	1.8	409	(0.29 , 3.98)	1.5	1,228	(0.29 , 4.77)	1.7
HCA - Health care access	2	122	(1.23 , 1.27)	1.2	91	(1.25 , 1.74)	1.5	213	(1.23 , 1.74)	1.3
IMM - Health care utilization - immunization	4	171	(0.59 , 1.97)	1.2	95	(0.36 , 2.11)	1.0	266	(0.36 , 2.11)	1.1
HPV - HPV self-testing	30	1,451	(0.36 , 8.91)	3.0	901	(0.60 , 7.53)	3.2	2,352	(0.36 , 8.91)	3.1
SOC - Social and work limitations	3	128	(0.53 , 1.17)	0.9	60	(0.36 , 1.09)	0.7	188	(0.36 , 1.17)	0.8
PAY - Social determinants: paying medical bills	3	98	(0.66 , 2.52)	0.9	37	(0.43 , 1.76)	0.6	135	(0.43 , 2.52)	0.8
CWD - Chronic wasting disease	28	200	(0.00 , 9.09)	0.7	131	(0.00 , 4.17)	0.8	331	(0.00 , 9.09)	0.8
EMP - Health insurance	4	223	(0.68 , 2.78)	1.6	139	(0.43 , 3.46)	1.6	362	(0.43 , 3.46)	1.6
MAR - Marital status	4	44	(0.00 , 0.75)	0.5	19	(0.33 , 0.86)	0.4	63	(0.00 , 0.86)	0.5
CIV - Civic engagement	4	160	(0.47 , 1.21)	0.9	98	(0.26 , 1.28)	0.9	258	(0.26 , 1.28)	0.9
FSC - Social determinants – food insecurity	10	394	(0.73 , 5.88)	1.6	136	(0.00 , 5.15)	1.0	530	(0.00 , 5.88)	1.4
LAN - Language items	4	73	(0.67 , 1.69)	1.0	25	(0.39 , 1.22)	0.6	98	(0.39 , 1.69)	0.8
DEM - Race/ethnicity	8	41	(0.00 , 11.51)	0.4	150	(1.02 , 22.22)	2.4	191	(0.00 , 22.22)	1.2
INT - Internet access and health information technology use	5	194	(0.00 , 1.15)	0.8	51	(0.00 , 0.56)	0.3	245	(0.00 , 1.15)	0.6
TEL - Telephone use	3	89	(0.72 , 2.76)	0.9	32	(0.43 , 1.10)	0.5	121	(0.43 , 2.76)	0.8
TOTAL	171	5,253	(0.00 , 11.51)	1.1	3,136	(0.00 , 22.22)	1.1	8,389	(0.00 , 22.22)	1.1

\1 Missing includes responses of 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 6

	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	111	4,995	2.2%
Panel Provider 2	25	3,064	0.8%
Total	136	8,059	1.7%

\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 6

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	2.1%	0.0%	0.1%	0.0%
Race and Hispanic origin\3	Panel Profiles	2.5%	0.0%	1.1%	0.9%
Educational attainment	Panel Profiles	0.9%	0.0%	0.6%	0.0%
Marital status	Panel Profiles	-	0.7%	-	0.5%
Employed\4	Panel Profiles	-	0.0%	-	0.0%
Poverty status\5	Panel Profiles	-	0.0%	-	0.0%
Urbanization level	Panel Profiles	-	0.0%	-	1.3%
Ever diagnosed with high cholesterol	Questionnaire	-	1.4%	-	2.0%
Difficulty participating in social activities\6	Questionnaire	-	1.2%	-	1.1%
Doctor visit in past 12 months	Questionnaire	-	0.4%	-	0.4%
Urgent care visit in past 12 months	Questionnaire	-	4.8%	-	3.6%
Did not receive care due to cost in past 12 months	Questionnaire	-	1.3%	-	1.7%

- 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 Income data were used to calculate poverty status, which was divided into three categories based on the U.S. Census Bureau's poverty thresholds: adults with a family/household income below 100% of the federal poverty level (FPL), adults with a family/household income of 100% to less than 200% of FPL, and adults with a family/household income of 200% of FPL or above. 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. 98.0% of sample adults in the 2024, Quarter 3, National Health Interview Survey Early Release adult datafile resided in single-family households (i.e., household and family income would be analogous).

\6 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 6

Calibration Variable	NHIS, 2024 Quarter 3 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	28.7	0.70	28.8	0.96	-0.1	0.9129	27.1	0.93	1.6	0.1762	-1.7	0.2000
35-49	24.7	0.66	24.7	0.94	0.0	0.9825	25.1	0.83	-0.4	0.7012	0.4	0.7609
50-64	23.6	0.53	23.7	1.03	-0.1	0.9293	25.1	0.80	-1.5	0.1158	1.4	0.2815
65 and older	23.0	0.73	22.8	0.83	0.3	0.8158	22.7	0.73	0.3	0.7483	-0.1	0.9466
Sex												
Male	48.7	0.70	48.9	1.01	-0.2	0.8558	48.9	0.96	-0.2	0.8795	0.0	0.9752
Female	51.3	0.70	51.1	1.01	0.2	0.8558	51.1	0.96	0.2	0.8795	0.0	0.9752
Race and Hispanic origin\7												
Black, non-Hispanic	12.6	0.73	12.1	1.02	0.6	0.6526	11.9	0.64	0.7	0.4621	-0.1	0.9021
White, non-Hispanic	61.3	0.96	60.8	1.73	0.5	0.8041	60.9	0.97	0.3	0.8036	0.2	0.9392
Other and multiple races, non-Hispanic	8.1	0.45	9.3	0.70	-1.2	0.1641	9.1	0.62	-1.0	0.1826	-0.1	0.8806
Hispanic	18.0	0.77	17.9	1.05	0.1	0.9383	18.0	0.81	0.0	0.9738	0.1	0.9174
Educational attainment												
Less than high school	10.5	0.45	9.3	0.75	1.3	0.1413	9.3	0.63	1.3	0.0975	0.0	0.9978
High school diploma\8	27.2	0.59	28.7	1.10	-1.5	0.2376	28.7	0.89	-1.5	0.1641	0.0	0.9973
Some college or more	62.3	0.72	62.1	1.17	0.2	0.8860	62.1	0.96	0.2	0.8674	0.0	0.9989
Marital status												
Married	51.3	0.64	53.4	1.08	-2.2	0.0819	52.8	0.96	-1.6	0.1728	-0.6	0.6746
Not married	48.7	0.64	46.6	1.08	2.2	0.0819	47.2	0.96	1.6	0.1728	0.6	0.6746
Employed\9												
Yes	63.1	0.73	64.0	0.87	-0.9	0.4423	63.4	0.92	-0.3	0.7887	-0.6	0.6601
No	36.9	0.73	36.0	0.87	0.9	0.4423	36.6	0.92	0.3	0.7887	0.6	0.6601
Poverty status\10												
In poverty	9.9	0.42	11.2	0.66	-1.3	0.0904	9.3	0.58	0.6	0.4165	-1.9	0.0306
100% FPL - < 200% FPL	16.9	0.66	14.2	0.48	2.7	0.0010	14.2	0.70	2.7	0.0052	0.0	0.9922
200% FPL +	73.2	0.80	74.5	0.92	-1.4	0.2623	76.4	0.84	-3.3	0.0049	1.9	0.1295
Urbanization level												
Metropolitan	86.3	1.04	87.2	0.86	-0.9	0.5031	86.6	0.66	-0.3	0.7785	-0.6	0.6065
Nonmetropolitan	13.7	1.04	12.8	0.86	0.9	0.5031	13.4	0.66	0.3	0.7785	0.6	0.6065
Doctor visit in past 12 months												
Yes	85.3	0.46	77.9	0.73	7.4	0.0000	79.6	0.82	5.7	0.0000	1.6	0.1373
No	14.7	0.46	22.1	0.73	-7.4	0.0000	20.4	0.82	-5.7	0.0000	-1.6	0.1373
Urgent care visit in past 12 months												
Yes	26.8	0.68	34.5	0.86	-7.8	0.0000	30.9	0.89	-4.1	0.0003	-3.7	0.0029
No	73.2	0.68	65.5	0.86	7.8	0.0000	69.1	0.89	4.1	0.0003	3.7	0.0029
Did not receive care due to cost in past 12 months												
Yes	7.5	0.38	14.3	0.75	-6.8	0.0000	11.9	0.64	-4.4	0.0000	-2.4	0.0143
No	92.5	0.38	85.7	0.75	6.8	0.0000	88.1	0.64	4.4	0.0000	2.4	0.0143
Ever diagnosed with high cholesterol												
Yes	29.4	0.63	37.3	0.98	-7.9	0.0000	34.4	0.89	-4.96	0.0000	-3.0	0.0243
No	70.6	0.63	62.7	0.98	7.9	0.0000	65.6	0.89	4.96	0.0000	3.0	0.0243
Difficulty participating in social activities\11												
No difficulty/some difficulty	95.4	0.23	92.4	0.47	3.0	0.0000	92.9	0.52	2.5	0.0000	0.5	0.4989
A lot of difficulty/cannot do	4.6	0.23	7.6	0.47	-3.0	0.0000	7.1	0.52	-2.5	0.0000	-0.5	0.4989

\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 Income data were used to calculate poverty status, which was divided into three categories based on the U.S. Census Bureau's poverty thresholds: adults with a family/household income below 100% of the federal poverty level (FPL), adults with a family/household income of 100% to less than 200% of FPL, and adults with a family/household income of 200% of FPL or above. 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. 98.0% of sample adults in the 2024, Quarter 3, National Health Interview Survey Early Release adult datafile resided in single-family households (i.e., household and family income would be analogous).

\11 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 6

Calibration Variable	Calibration Total\1	Panel Provider 1 Estimate\2	Panel Provider 1 SE\3	Panel Provider 1 Diff.\4	Panel Provider 2 Estimate\2	Panel Provider 2 SE\3	Panel Provider 2 Diff.\4	Combined Estimate\2	Combined SE\3	Combined Diff.\4
Age group										
18-34	74,522,556	74,522,556	4,200,522.39	0	74,522,556	3,012,057.76	0	74,522,556	2,553,791.90	0
35-49	64,154,363	64,154,363	2,337,170.52	0	64,154,363	2,303,218.61	0	64,154,363	1,630,813.24	0
50-64	61,361,812	61,361,812	3,033,465.80	0	61,361,812	2,016,060.74	0	61,361,812	1,794,924.65	0
65 and older	59,891,060	59,891,060	3,045,383.98	0	59,891,060	1,858,606.15	0	59,891,060	1,753,054.74	0
Sex										
Male	126,517,586	126,517,586	4,573,324.86	0	126,517,586	2,816,749.89	0	126,517,586	2,628,430.26	0
Female	133,412,205	133,412,205	4,311,480.78	0	133,412,205	2,904,735.37	0	133,412,205	2,543,254.24	0
Race and Hispanic origin\5										
Black, non-Hispanic	32,875,776	32,875,776	2,545,939.29	0	32,875,776	1,884,660.39	0	32,875,776	1,570,507.80	0
White, non-Hispanic	159,225,520	159,225,520	7,187,050.61	0	159,225,520	2,547,240.30	0	159,225,520	3,707,724.25	0
Other and multiple races, non-Hispanic	21,114,894	21,114,894	2,069,873.76	0	21,114,894	1,543,788.47	0	21,114,894	1,280,333.77	0
Hispanic	46,713,601	46,713,601	2,724,269.44	0	46,713,601	2,347,219.33	0	46,713,601	1,785,369.63	0
Educational attainment										
Less than high school	27,404,453	27,404,453	2,509,198.77	0	27,404,453	2,017,165.08	0	27,404,453	1,599,494.06	0
High school diploma\6	70,639,177	70,639,177	3,495,955.90	0	70,639,177	2,471,949.64	0	70,639,177	2,113,512.96	0
Some college or more	161,886,161	161,886,161	5,253,193.64	0	161,886,161	2,608,351.21	0	161,886,161	2,844,974.17	0
Marital status										
Married	133,252,173	133,252,173	4,802,842.99	0	133,252,173	2,558,501.90	0	133,252,173	2,652,261.48	0
Not married	126,677,618	126,677,618	4,232,554.37	0	126,677,618	3,134,700.15	0	126,677,618	2,587,193.35	0
Employed\7										
Yes	164,100,285	164,100,285	5,137,458.42	0	164,100,285	2,976,354.62	0	164,100,285	2,889,566.23	0
No	95,829,506	95,829,506	3,474,084.76	0	95,829,506	2,598,769.76	0	95,829,506	2,135,064.10	0
Poverty status\8										
In poverty	25,811,518	25,811,518	1,370,403.51	0	25,811,518	1,752,941.50	0	25,811,518	1,117,303.49	0
100% FPL - < 200% FPL	43,935,384	43,935,384	1,545,200.06	0	43,935,384	2,310,578.63	0	43,935,384	1,398,310.71	0
200% FPL +	190,182,889	190,182,889	6,559,051.32	0	190,182,889	2,515,382.68	0	190,182,889	3,395,678.35	0
Urbanization level										
Metropolitan	224,308,724	224,308,724	6,005,935.40	0	224,308,724	2,640,502.56	0	224,308,724	3,154,811.91	0
Nonmetropolitan	35,621,067	35,621,067	3,039,498.15	0	35,621,067	1,883,486.24	0	35,621,067	1,764,520.54	0
Doctor visit in past 12 months										
Yes	221,772,015	221,772,015	6,358,796.89	0	221,772,015	2,796,838.85	0	221,772,015	3,348,232.18	0
No	38,157,776	38,157,776	1,552,848.81	0	38,157,776	1,734,455.58	0	38,157,776	1,161,834.25	0
Urgent care visit in past 12 months										
Yes	69,610,430	69,610,430	2,496,327.19	0	69,610,430	2,255,822.14	0	69,610,430	1,665,186.48	0
No	190,319,361	190,319,361	5,832,630.26	0	190,319,361	2,982,044.93	0	190,319,361	3,176,019.67	0
Did not receive care due to cost in past 12 months										
Yes	19,398,662	19,398,662	1,084,230.08	0	19,398,662	1,116,274.84	0	19,398,662	777,253.64	0
No	240,531,129	240,531,129	6,757,659.71	0	240,531,129	2,661,829.19	0	240,531,129	3,488,429.45	0
Ever diagnosed with high cholesterol										
Yes	76,409,799	76,409,799	3,180,116.53	0	76,409,799	1,965,503.52	0	76,409,799	1,834,972.16	0
No	183,519,992	183,519,992	5,566,815.73	0	183,519,992	3,260,062.11	0	183,519,992	3,136,729.81	0
Difficulty participating in social activities\9										
No difficulty/some difficulty	247,962,719	247,962,719	6,712,336.40	0	247,962,719	2,513,671.07	0	247,962,719	3,434,065.55	0
A lot of difficulty/cannot do	11,967,072	11,967,072	830,358.45	0	11,967,072	945,848.79	0	11,967,072	630,800.12	0

\1 Panel provider weights were calibrated to control totals based on the 2024, Quarter 3, National Health Interview Survey Early Release Adult datafile.

\2 All survey estimates calculated with calibrated version of the panel provider analysis weights.

\3 Calibration-weighted standard error (SE) accounts for the 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 who have a GED.

\7 Employment status for the National Health Interview Survey and Rapid Surveys System was 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 Income data were used to calculate poverty status, which was divided into three categories based on the U.S. Census Bureau's poverty thresholds: adults with a family/household income below 100% of the federal poverty level (FPL), adults with a family/household income of 100% to less than 200% of FPL, and adults with a family/household income of 200% of FPL or above. 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. 98.0% of sample adults in the 2024, Quarter 3, National Health Interview Survey Early Release adult datafile resided in single-family households (i.e., household and family income would be analogous).

\9 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. Descriptive statistics for calibration adjustment factors by panel provider: Rapid Surveys System Round 6

Statistic	Panel Provider 1	Panel Provider 2	Combined
100% (maximum)	3.094	2.073	3.094
99%	2.158	1.803	2.075
95%	1.764	1.477	1.661
90%	1.571	1.371	1.505
75% (quartile 3)	1.331	1.216	1.265
50% (median)	0.959	0.966	0.964
25% (quartile 1)	0.695	0.784	0.736
10%	0.485	0.620	0.532
5%	0.373	0.521	0.414
1%	0.234	0.377	0.269
0% (minimum)	0.129	0.213	0.129
Mean	1.010	0.997	1.005
Standard deviation	0.430	0.301	0.386
Coefficient of variation	42.562	30.132	38.351

Table 13. Sample size, effective sample size, and composite factor by panel provider: Rapid Surveys System Round 6

Panel Provider	Sample Size	Effective Sample Size	Composite Factor
Panel Provider 1	4,884	2,338	0.487
Panel Provider 2	3,039	2,458	0.513

Table 14. Descriptive statistics for calibrated weights by panel provider and combined: Rapid Surveys System Round 6

Statistic	Panel Provider 1 P1_CALWT\1	Panel Provider 2 P2_CALWT\2	Combined WEIGHT\3
100% (maximum)	704,966	329,964	343,649
99%	269,899	231,181	122,780
95%	151,195	164,946	80,665
90%	113,142	138,321	63,211
75% (quartile 3)	68,179	103,467	44,086
50% (median)	36,641	76,548	28,088
25% (quartile 1)	19,569	57,813	13,634
10%	11,017	44,164	6,974
5%	7,654	35,805	4,766
1%	4,020	21,862	2,287
0% (minimum)	831	7,637	405
Sum	259,929,791	259,929,791	259,929,791
Mean	53,221	85,531	32,807
Standard deviation	55,553	41,602	26,497
Coefficient of variation	104.38	48.64	80.77
Design effect	2.09	1.24	1.65

\1 Variable name for Panel Provider 1 weight calibrated to 2024, Quarter 3, National Health Interview Survey Early Release adult control totals.

\2 Variable name for Panel Provider 2 weight calibrated to 2024, Quarter 3, 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 13.

Table 15. 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 6

Health Domain	Variable	NHIS\1 Sample Size	NHIS\1 Estimate	NHIS\1 SE\2	PP1 Sample Size	PP1 PSW Estimate	PP1 PSW SE\2	PP1 PSW Absolute Bias	PP1 PSW Standardized Bias\3	PP1 FCW Estimate	PP1 FCW SE\2	PP1 FCW Absolute Bias	PP1 FCW Standardized Bias\3	PP2 Sample Size	PP2 PSW Estimate	PP2 PSW SE\2	PP2 PSW Absolute Bias	PP2 PSW Standardized Bias\3	PP2 FCW Estimate	PP2 FCW SE\2	PP2 FCW Absolute Bias	PP2 FCW Standardized Bias\3
Health Status	Excellent or very good health (self-rated)	8,376	54.6	0.61	4,875	46.4	0.93	8.14	0.16	48.2	0.94	6.41	0.13	3,034	44.4	0.95	10.18	0.20	46.4	0.96	8.22	0.17
	Ever diagnosed with hypertension	8,364	31.9	0.58	4,845	36.2	0.98	4.30	0.09	33.5	0.81	1.54	0.03	3,022	34.1	0.89	2.20	0.05	33.0	0.79	1.08	0.02
	Ever diagnosed with asthma	8,371	15.2	0.49	4,865	19.4	0.82	4.21	0.12	18.0	0.71	2.83	0.08	3,028	13.9	0.67	1.25	0.03	13.6	0.69	1.58	0.04
	Still have asthma	8,364	8.6	0.38	4,860	11.7	0.75	3.10	0.11	10.4	0.57	1.78	0.06	3,024	8.8	0.54	0.11	0.00	8.4	0.55	0.25	0.01
	Had an asthma attack in the past 12 months	8,370	3.5	0.21	4,491	6.8	0.58	3.36	0.18	6.0	0.47	2.49	0.14	2,877	4.8	0.42	1.35	0.07	4.5	0.41	0.98	0.05
	Ever diagnosed with cancer	8,370	10.0	0.30	4,873	12.4	0.64	2.39	0.08	12.0	0.66	1.96	0.07	3,034	10.3	0.54	0.31	0.01	10.0	0.52	0.01	0.00
Chronic conditions	Ever diagnosed with coronary heart disease	8,347	5.1	0.23	4,858	4.9	0.39	0.18	0.01	4.0	0.33	1.09	0.05	3,024	4.2	0.34	0.90	0.04	3.6	0.30	1.42	0.06
	Ever diagnosed with angina, also called angina pectoris	8,357	1.6	0.18	4,852	2.4	0.32	0.76	0.06	1.5	0.21	0.08	0.01	3,021	1.4	0.22	0.23	0.02	1.2	0.19	0.46	0.04
	Ever diagnosed with a heart attack, also called myocardial infarction	8,365	3.2	0.23	4,859	3.6	0.32	0.34	0.02	2.6	0.26	0.58	0.03	3,032	2.0	0.24	1.22	0.07	1.9	0.24	1.30	0.07
	Ever diagnosed with a stroke	8,369	3.0	0.20	4,871	3.5	0.39	0.50	0.03	2.5	0.26	0.47	0.03	3,032	2.2	0.27	0.76	0.04	1.9	0.24	1.08	0.06
	Ever diagnosed with prediabetes or borderline diabetes	8,361	17.1	0.48	4,874	27.7	0.85	10.68	0.28	25.5	0.73	8.46	0.22	3,030	24.9	0.82	7.86	0.21	23.5	0.74	6.42	0.17
	Ever diagnosed with gestational diabetes	4,562	6.3	0.37	2,559	10.9	0.89	4.64	0.19	9.4	0.75	3.09	0.13	1,523	6.9	0.69	0.63	0.03	6.4	0.68	0.12	0.00
	Ever diagnosed with diabetes	8,370	9.7	0.39	4,850	12.4	0.61	2.70	0.09	10.6	0.56	0.93	0.03	3,005	11.5	0.59	1.74	0.06	10.9	0.56	1.21	0.04
Health Behaviors	Ever smoked 100 cigarettes	8,199	31.9	0.71	4,841	34.8	0.93	2.84	0.06	34.0	0.99	2.05	0.04	2,993	33.3	0.89	1.39	0.03	32.6	0.86	0.64	0.01
	Currently smoke every day or some days	2,960	31.2	1.02	1,800	32.1	1.73	0.96	0.02	29.7	1.39	1.42	0.03	1,062	26.0	1.45	5.17	0.11	25.8	1.48	5.39	0.12
	Current cigarette smoking	8,195	9.9	0.43	4,836	11.1	0.59	1.21	0.04	10.1	0.53	0.15	0.00	2,985	8.6	0.54	1.32	0.04	8.3	0.54	1.59	0.05
	Ever smoked an e-cigarette	8,197	20.3	0.64	4,872	22.0	0.77	1.75	0.04	21.1	0.72	0.84	0.02	3,030	19.4	0.78	0.82	0.02	19.1	0.79	1.14	0.03
	Currently smoke an e-cigarette every day or some days	1,488	34.8	1.47	1,153	41.9	1.77	7.05	0.15	37.7	1.98	2.85	0.06	540	33.4	2.16	1.45	0.03	32.2	2.25	2.63	0.06
	Current e-cigarette smoking	8,197	7.1	0.41	4,870	9.2	0.51	2.15	0.08	7.9	0.47	0.88	0.03	3,029	6.5	0.50	0.59	0.02	6.1	0.50	0.91	0.04
	Ever smoked a cigar	8,196	28.3	0.73	4,850	34.7	1.08	6.39	0.14	34.4	1.03	6.15	0.14	3,002	32.0	0.88	3.68	0.08	31.3	0.86	3.07	0.07
	Currently smoke a cigar every day or some days	2,391	13.3	0.98	1,722	15.1	1.18	1.80	0.05	12.2	1.00	1.04	0.03	1,025	13.3	1.18	0.01	0.00	13.1	1.23	0.12	0.00
	Current cigar smoking	8,196	3.8	0.30	4,842	5.2	0.45	1.46	0.08	4.2	0.38	0.45	0.02	3,000	4.2	0.40	0.48	0.03	4.1	0.41	0.36	0.02
	Smoked a cigar on one or more days in the past 30 days	8,190	3.1	0.23	4,830	4.5	0.44	1.38	0.08	3.6	0.39	0.49	0.03	2,998	3.1	0.35	0.01	0.00	3.2	0.37	0.04	0.00
	Ever used smokeless tobacco products	8,197	10.6	0.53	4,862	15.5	0.75	4.94	0.16	14.8	0.68	4.24	0.14	3,029	12.4	0.60	1.81	0.06	11.8	0.58	1.25	0.04
	Currently use smokeless tobacco every day or some days	924	21.0	1.66	769	20.5	1.65	0.57	0.01	17.6	1.71	3.49	0.09	409	18.5	2.09	2.58	0.06	17.9	2.09	3.13	0.08
	Current smokeless tobacco use	8,197	2.2	0.22	4,860	3.2	0.32	0.94	0.06	2.6	0.31	0.37	0.03	3,028	2.3	0.29	0.06	0.00	2.1	0.27	0.11	0.01
Healthcare Access	Place usually go to when sick and need health care	8,314	91.0	0.49	4,854	89.9	0.67	1.08	0.04	91.6	0.56	0.65	0.02	3,027	88.4	0.65	2.60	0.09	90.2	0.54	0.77	0.03
	What kind of place: doctor's office or health center	8,318	78.6	0.75	4,864	72.3	1.01	6.35	0.15	76.4	0.86	2.20	0.05	3,031	73.0	0.87	5.66	0.14	75.9	0.79	2.71	0.07
	What kind of place: urgent care center/clinic in drug store	8,318	8.5	0.53	4,864	10.6	0.62	2.14	0.08	9.1	0.51	0.64	0.02	3,031	9.6	0.57	1.07	0.04	8.7	0.53	0.24	0.01
	What kind of place: all other kinds	8,318	3.7	0.27	4,864	5.9	0.47	2.27	0.12	5.1	0.42	1.48	0.08	3,031	4.4	0.41	0.97	0.05	4.4	0.41	0.76	0.04
	Usual source of care	8,313	89.2	0.53	4,845	87.0	0.70	2.22	0.07	89.5	0.57	0.29	0.01	3,023	86.1	0.70	3.07	0.10	88.0	0.61	1.23	0.04
	Delayed medical care due to cost in past 12 months	8,304	8.6	0.41	4,824	16.2	0.76	7.58	0.27	10.8	0.43	2.15	0.08	3,001	13.9	0.68	5.27	0.19	10.4	0.45	1.77	0.06
	Anyone have problems paying/unable to pay medical bills in past 12 months	8,322	10.4	0.38	4,843	18.4	0.91	7.97	0.26	14.6	0.69	4.21	0.14	3,023	15.4	0.71	4.94	0.16	13.3	0.64	2.83	0.09
	Very worried about paying medical bills if get sick or have accident	8,321	13.7	0.46	4,852	13.2	0.66	0.47	0.01	10.4	0.47	3.26	0.09	3,026	13.4	0.68	0.30	0.01	11.1	0.58	2.55	0.07
	Wellness visit in the past 12 months	8,297	71.6	0.57	4,852	63.2	0.88	8.35	0.19	69.4	0.82	2.16	0.05	3,019	64.3	0.94	7.23	0.16	69.2	0.75	2.38	0.05
	Visited a retail health clinic in the past 12 months	8,303	19.8	0.58	4,658	31.8	0.92	11.97	0.30	29.7	1.14	9.80	0.25	2,918	30.7	0.91	10.84	0.27	29.9	0.92	10.09	0.25
Healthcare Utilization	Number of retail health clinic visits in the past 12 months: 0	8,303	80.2	0.58	4,658	68.2	0.92	11.97	0.30	70.3	1.14	9.80	0.25	2,918	69.3	0.91	10.84	0.27	70.1	0.92	10.09	0.25
	Number of retail health clinic visits in the past 12 months: 1	8,303	10.3	0.38	4,658	15.4	0.85	5.11	0.17	14.9	0.91	4.58	0.15	2,918	15.4	0.71	5.11	0.17	15.4	0.74	5.10	0.17
	Number of retail health clinic visits in the past 12 months: 2	8,303	6.2	0.37	4,658	8.9	0.58	2.71	0.11	8.6	0.57	2.36	0.10	2,918	9.2	0.57	3.00	0.12	8.9	0.58	2.65	0.11
	Number of retail health clinic visits in the past 12 months: 3+	8,303	3.3	0.25	4,658	7.5	0.39	4.16	0.23	6.2	0.41	2.86	0.16	2,918	6.1	0.49	2.74	0.15	5.7	0.48	2.33	0.13
	Visited a hospital emergency room in the past 12 months	8,303	20.6	0.49	4,700	22.0	0.92	1.33	0.03	19.4	0.79	1.26	0.03	2,966	17.6	0.75	3.03	0.07	16.6	0.72	4.02	0.10
	Number of emergency room visits in the past 12 months: 0	8,303	79.4	0.49	4,700	78.0	0.92	1.33	0.03	80.6	0.79	1.26	0.03	2,966	82.4	0.75	3.03	0.07	83.4	0.72	4.02	0.10
	Number of emergency room visits in the past 12 months: 1	8,303	13.8	0.41	4,700	14.3	0.79	0.54	0.02	12.9	0.67	0.82	0.02	2,966	11.5	0.62	2.22	0.06	10.8	0.61	2.91	0.08
	Number of emergency room visits in the past 12 months: 2	8,303	4.3	0.24	4,700	4.2	0.41	0.03	0.00	4.1	0.35	0.19	0.01	2,966	3.6	0.36	0.65	0.03	3.6	0.37	0.70	0.03
	Number of emergency room visits in the past 12 months: 3+	8,303	2.6	0.24	4,700	3.4	0.36	0.82	0.05	2.4	0.22	0.24	0.02	2,966	2.4	0.31	0.16	0.01	2.2	0.30	0.41	0.03
	Hospitalized overnight in past 12 months	8,312	8.4	0.37	4,831	9.3	0.60	0.94	0.03	7.9	0.52	0.45	0.02	3,008	6.5	0.46	1.87	0.07	6.2	0.46	2.14	0.08
	Telehealth visit in past 12 months	8,298	26.0	0.69	4,842	29.7	0.96	3.77	0.09	28.6	0.88	2.63	0.06	3,014	27.0	0.85	1.04	0.02	26.8	0.86	0.84	0.02
	Received a flu shot in past 12 months	8,242	42.5	0.69	4,853	46.8	1.11	4.30	0.09	47.3	1.07	4.80	0.10	3,028	46.9	0.96	4.47	0.09	47.4	0.94	4.92	0.10
	Ever had a pneumonia shot	8,034	24.3	0.63	4,815	33.3	0.91	9.03	0.21	32.7	0.68	8.36	0.19	3,008	32.9	0.88	8.65	0.20	32.6	0.81	8.33	0.19
	Sometimes or often true that worried whether food would run out before got money	8,045	13.5	0.58	4,829	23.0	0.92	9.56	0.28	19.1	0.70	5.60	0.16	3,029	21.8	0.83	8.28	0.24	20.5	0.75	7.02	0.21
	Sometimes or often true that the food bought just didn't last and didn't have money	8,044	11.2	0.61	4,826	20.4	0.82	9.26	0.29	16.7	0.57	5.50	0.17	3,023	18.1	0.78	6.89	0.22	16.9	0.71	5.77	0.18
	Sometimes or often true couldn't afford to eat balanced meals in last 30 days	8,044	11.5	0.53	4,824	23.9	0.66	12.37	0.39	19.9	0.61	8.39	0.26	3,022	21.9	0.83	10.35	0.32	20.8	0.77	9.23	0.29
	Cut the size of or skipped meals in last 30 days because there wasn't enough money	1,255	35.3	1.71	1,641	44.8	2.00	9.47	0.20	39.8	1.72	4.51	0.09	691	44.0	1.99	8.70	0.18	43.3	2.11	7.99	0.17
	Cut the size of or skipped meals on 3 or more days in last 30 days	437	79.5	2.35	719	81.7	2.11	2.21	0.05	81.0	2.36	1.49	0.04	304	82.6	2.32	3.12	0.08	82.7	2.47	3.18	0.08
	Ate less than you felt you should in last 30 days because there wasn't enough money for food	1,255	37.2	1.56	1,613	45.1	1.89	7.94	0.16	40.2	1.88	3.01	0.06	697	44.3	1.98	7.14	0.15	43.2	2.09	6.02	0.12
	Ever hungry but didn't eat in last 30 days because there wasn't enough money for food	1,254	22.2	1.54	1,609	33.1	2.07	10.91	0.26	28.5	1.85	6.33	0.15	692	31.3	1.86	9.15	0.22	29.9	1.96	7.77	0.19
	Lose weight in last 30 days because there wasn't enough money for food	1,252	14.4	1.07	1,610	24.9	1.67	10.46	0.30	20.8	1.32	6.32	0.18	695	18.9	1.54	4.52	0.13	18.2	1.59	3.79	0.11
	Ever not eat for a whole day in the last 30 days because there wasn't enough money for food	581	20.4	2.57	895	33.1	2.34	12.65	0.31	30.2	2.43	9.75	0.24	376	26.6	2.43	6.15	0.15	24.1	2.50	3.67	0.09
	High food security	8,046	83.3	0.62	4,841	71.3	0.98	12.06	0.32	75.6	0.77	7.74	0.21	3,032	73.3	0.88	10.04	0.27	74.6	0.81	8.67	0.23
	Marginal food security	8,046	6.8	0.34	4,841	8.5	0.51	1.72	0.07	8.3	0.54	1.52	0.06	3,032	9.1	0.58	2.33	0.09	8.8	0.59	2.00	0.08
	Low food security	8,046	5.7	0.37	4,841	9.8	0.53	4.09	0.18	8.4	0.51	2.69	0.12	3,032	8.7	0.57	2.95	0.13	8.4	0.57	2.72	0.12
	Very low food security	8,046	4.2	0.30	4,841	10.4	0.77	6.26	0.31	7.7	0.44	3.53	0.18	3,032	8.9	0.58	4.77	0.24	8.1	0.55	3.96	0.20
Food insecurity	Food insecure	8,046	9.9	0.53	4,841	20.2	0.89	10.35	0.35	16.1	0.56	6.22	0.21	3,032	17.6	0.77	7.72	0.26	16.6	0.70	6.68	0.22

\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 16. Estimate, standard error, and bias of benchmarking variables compared to National Health Interview Survey: Rapid Surveys System Round 6

Health Domain	Variable	NHIS\1 Sample Size	Estimate	SE\2	RSS-6 Sample Size	Estimate	SE\2	Absolute Bias	Standardized Bias\3
Health Status	Excellent or very good health (self-rated)	8,376	54.6	0.61	7,909	47.2	0.67	7.34	0.15
	Ever diagnosed with hypertension	8,364	31.9	0.58	7,867	33.3	0.57	1.31	0.03
	Ever diagnosed with asthma	8,371	15.2	0.49	7,893	15.7	0.49	0.57	0.02
	Still have asthma	8,364	8.6	0.38	7,884	9.4	0.40	0.74	0.03
	Had an asthma attack in the past 12 months	8,370	3.5	0.21	7,368	5.2	0.31	1.70	0.09
	Ever diagnosed with cancer	8,370	10.0	0.30	7,907	11.0	0.42	0.96	0.03
Chronic conditions	Ever diagnosed with coronary heart disease	8,347	5.1	0.23	7,882	3.8	0.22	1.26	0.06
	Ever diagnosed with angina, also called angina pectoris	8,357	1.6	0.18	7,873	1.4	0.14	0.27	0.02
	Ever diagnosed with a heart attack, also called myocardial infarction	8,365	3.2	0.23	7,891	2.3	0.18	0.95	0.05
	Ever diagnosed with a stroke	8,369	3.0	0.20	7,903	2.2	0.18	0.78	0.05
	Ever diagnosed with prediabetes or borderline diabetes	8,361	17.1	0.48	7,904	24.5	0.52	7.42	0.20
	Ever diagnosed with gestational diabetes	4,562	6.3	0.37	4,082	7.9	0.50	1.56	0.06
	Ever diagnosed with diabetes	8,370	9.7	0.39	7,855	10.8	0.39	1.07	0.04
	Ever smoked 100 cigarettes	8,199	31.9	0.71	7,834	33.3	0.65	1.33	0.03
	Currently smoke every day or some days	2,960	31.2	1.02	2,862	27.8	1.02	3.40	0.07
	Current cigarette smoking	8,195	9.9	0.43	7,821	9.2	0.38	0.74	0.02
	Ever smoked an e-cigarette	8,197	20.3	0.64	7,902	20.1	0.54	0.18	0.00\4
	Currently smoke an e-cigarette every day or some days	1,488	34.8	1.47	1,693	35.0	1.50	0.18	0.00\4
	Current e-cigarette smoking	8,197	7.1	0.41	7,899	7.0	0.34	0.04	0.00\4
Health Behaviors	Ever smoked a cigar	8,196	28.3	0.73	7,852	32.9	0.67	4.58	0.10
	Currently smoke a cigar every day or some days	2,391	13.3	0.98	2,747	12.7	0.80	0.59	0.02
	Current cigar smoking	8,196	3.8	0.30	7,842	4.2	0.28	0.41	0.02
	Smoked a cigar on one or more days in the past 30 days	8,190	3.1	0.23	7,828	3.4	0.27	0.26	0.01
	Ever used smokeless tobacco products	8,197	10.6	0.53	7,891	13.3	0.44	2.71	0.09
	Currently use smokeless tobacco every day or some days	924	21.0	1.66	1,178	17.7	1.36	3.33	0.08
	Current smokeless tobacco use	8,197	2.2	0.22	7,888	2.3	0.20	0.12	0.01
	Place usually go to when sick and need health care	8,314	91.0	0.49	7,881	90.9	0.39	0.08	0.00\4
	What kind of place: doctor's office or health center	8,318	78.6	0.75	7,895	76.2	0.59	2.46	0.06
	What kind of place: urgent care center/clinic in drug store	8,318	8.5	0.53	7,895	8.9	0.37	0.43	0.02
Healthcare Access	What kind of place: all other kinds	8,318	3.7	0.27	7,895	4.8	0.29	1.11	0.06
	Usual source of care	8,313	89.2	0.53	7,868	88.7	0.42	0.49	0.02
	Delayed medical care due to cost in past 12 months	8,304	8.6	0.41	7,825	10.6	0.31	1.96	0.07
	Anyone have problems paying/unable to pay medical bills in past 12 months	8,322	10.4	0.38	7,866	13.9	0.47	3.50	0.11
	Very worried about paying medical bills if get sick or have accident	8,321	13.7	0.46	7,878	10.8	0.38	2.89	0.08
	Wellness visit in the past 12 months	8,297	71.6	0.57	7,871	69.3	0.55	2.27	0.05
	Visited a retail health clinic in the past 12 months	8,303	19.8	0.58	7,576	29.8	0.73	9.95	0.25
	Number of retail health clinic visits in the past 12 months: 0	8,303	80.2	0.58	7,576	70.2	0.73	9.95	0.25
	Number of retail health clinic visits in the past 12 months: 1	8,303	10.3	0.38	7,576	15.1	0.59	4.85	0.16
	Number of retail health clinic visits in the past 12 months: 2	8,303	6.2	0.37	7,576	8.7	0.40	2.51	0.10
	Number of retail health clinic visits in the past 12 months: 3+	8,303	3.3	0.25	7,576	5.9	0.31	2.59	0.14
	Visited a hospital emergency room in the past 12 months	8,303	20.6	0.49	7,666	18.0	0.53	2.67	0.07
Healthcare Utilization	Number of emergency room visits in the past 12 months: 0	8,303	79.4	0.49	7,666	82.0	0.53	2.67	0.07
	Number of emergency room visits in the past 12 months: 1	8,303	13.8	0.41	7,666	11.9	0.45	1.90	0.06
	Number of emergency room visits in the past 12 months: 2	8,303	4.3	0.24	7,666	3.8	0.25	0.45	0.02
	Number of emergency room visits in the past 12 months: 3+	8,303	2.6	0.24	7,666	2.3	0.19	0.33	0.02
	Hospitalized overnight in past 12 months	8,312	8.4	0.37	7,839	7.1	0.35	1.32	0.05
	Telehealth visit in past 12 months	8,298	26.0	0.69	7,856	27.7	0.62	1.71	0.04
	Received a flu shot in past 12 months	8,242	42.5	0.69	7,881	47.3	0.71	4.86	0.10
	Ever had a pneumonia shot	8,034	24.3	0.63	7,823	32.6	0.53	8.34	0.19
	Sometimes or often true that worried whether food would run out before got money to b	8,045	13.5	0.58	7,858	19.8	0.52	6.33	0.19
	Sometimes or often true that the food bought just didn't last and didn't have money to b	8,044	11.2	0.61	7,849	16.8	0.46	5.64	0.18
	Sometimes or often true couldn't afford to eat balanced meals in last 30 days	8,042	11.5	0.53	7,846	20.3	0.49	8.83	0.28
	Cut the size of or skipped meals in last 30 days because there wasn't enough money fo	1,255	35.3	1.71	2,332	41.6	1.37	6.31	0.13
	Cut the size of or skipped meals on 3 or more days in last 30 days	437	79.5	2.35	1,023	81.9	1.71	2.42	0.06
	Ate less than you felt you should in last 30 days because there wasn't enough money fo	1,255	37.2	1.56	2,310	41.7	1.41	4.58	0.09
	Ever hungry but didn't eat in last 30 days because there wasn't enough money for food	1,254	22.2	1.54	2,301	29.2	1.35	7.08	0.17
Food insecurity	Lose weight in last 30 days because there wasn't enough money for food	1,252	14.4	1.07	2,305	19.4	1.04	5.00	0.14
	Ever not eat for a whole day in the last 30 days because there wasn't enough money for food	581	20.4	2.57	1,271	26.8	1.75	6.44	0.16
	High food security	8,046	83.3	0.62	7,873	75.1	0.56	8.22	0.22
	Marginal food security	8,046	6.8	0.34	7,873	8.6	0.40	1.77	0.07
	Low food security	8,046	5.7	0.37	7,873	8.4	0.38	2.70	0.12
	Very low food security	8,046	4.2	0.30	7,873	7.9	0.35	3.75	0.19
	Food insecure	8,046	9.9	0.53	7,873	16.3	0.45	6.45	0.22

\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 17. Average absolute bias and average standardized bias of benchmarking variable health domains compared to National Health Interview Survey: Rapid Surveys System Round 6

Health Domain	Number of Benchmarking Variables	Average Absolute Bias	Average Standardized Bias\1
Chronic Health Conditions	12	1.55	0.06
Food Insecurity	14	5.39	0.16
Health Behaviors	13	1.37	0.03
Health Status	1	7.34	0.15
Healthcare Access	8	1.62	0.05
Healthcare Utilization	15	3.76	0.10

NOTES: Average absolute bias and average standardized bias are calculated relative to estimates from the 2024, Quarter 3, 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.