

Division of Research and Methodology Research Memo

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Title: Findings from RANDS 7

Authors: Katherine E. Irimata, Ph.D., Paul J. Scanlon, Ph.D., Chris Moriarity, Ph.D., Bill Cai, M.S., Vladislav Beresovsky, Ph.D., and Rong Wei, Ph.D.

Division of Research and Methodology Associate Director for Science: John R. Pleis, Ph.D.

Contact information: rand@cdc.gov

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Background. The National Center for Health Statistics' (NCHS) Rapid Surveys System (RSS) is a new program for providing timely and relevant data for decision making (1). The NCHS RSS is a web-based platform used to quickly provide reliable, actionable data of known quality to public health experts, government officials, and community leaders. This platform is designed to be used for time-sensitive data needs, understanding public health attitudes and behaviors, and developmental work to improve concept measurement and inform the design of future survey questions.

This program builds on the success of the [NCHS Research and Development Survey \(RANDS\)](#), an ongoing series of web-based commercial panel surveys that is used for methodological research (2). In 2020, RANDS was quickly repurposed to provide key estimates to inform decision making related to health and healthcare during the COVID-19 pandemic (<https://www.cdc.gov/nchs/covid19/rands.htm>) (3), which demonstrated the usefulness of a system dedicated to faster data collection and scientific reporting. To inform the development of RSS, three rounds of RANDS are being used for methodological research, including questionnaire development and weighting evaluation (4). Consistent with the RANDS usual convention of numerically identifying each round in order, these three rounds are RANDS 7, RANDS 8, and RANDS 9.

Objective. This memo describes the findings from RANDS 7, the first round of RANDS being used for RSS development. RANDS 7 included new questions on internet access, health information technology, community engagement, and social limitations as potential topics for weighting. RANDS 7 also tested including 15 questions on traumatic brain injury (TBI) and 7 questions on firearm safety, topics proposed by the Centers for Disease Control and Prevention's (CDC) National Center for Injury Prevention and Control (NCIPC).

Methods. Questions on TBI and firearm safety were developed by the NCHS Collaborating Center for Questionnaire Design and Evaluation Research (CCQDER) in collaboration with NCIPC. Topic-specific questions were fielded on the RANDS platform, along with questions included for adjusting sample weights to the NCHS National Health Interview Survey (NHIS) and for evaluating the weighting methods.

RANDS 7 was conducted by NORC at the University of Chicago (<https://www.norc.org/>) for NCHS using their AmeriSpeak Panel. AmeriSpeak is a probability-based panel of survey respondents that NORC recruits using an address-based sample from their proprietary national address frame. For RANDS 7, 10,320 panelists were sampled, with 6,821 respondents providing complete, valid responses, resulting in a 66.1% completion rate and an overall weighted cumulative response rate of 12.5%. Responses were collected during the field period of November 3, 2022, through December 12, 2022. RANDS 7 data and documentation are available online (<https://www.cdc.gov/nchs/rands/rands7.htm>).

Developmental research for RSS included evaluating the impact of new questions on RANDS 7 for calibration weighting to NHIS. Calibration weighting is an additional adjustment applied to the AmeriSpeak Panel weights to align auxiliary information to the specified reference survey. Variables available on both RANDS 7 and the 2022 Quarter 3 NHIS were considered. After an evaluation of over 70 potential calibration variables, NCHS calibrated the RANDS 7 weights to the 2022 Quarter 3 NHIS on 11 variables. The calibration weighting approach, including the selected calibration variables, is described in Appendix A. The calibration variables were selected to reduce bias in selected outcomes, referred to as benchmark variables, from RANDS 7 compared with NHIS. To assess the performance, the calibration weighting approach was compared with the original AmeriSpeak Panel weights by evaluating the standardized bias for 23 benchmark variables. Benchmark variables were selected among variables available in both RANDS and NHIS and were selected to cover several health-related domains. These variables include:

- A lot of difficulty or cannot do errands alone due to physical, mental, emotional condition
- Anxiety (Generalized Anxiety Disorder-2)
- Attended public meeting that discussed local issues in past 12 months
- Depression (Patient Health Questionnaire-2)
- Employed last week
- Ever diagnosed with anxiety
- Ever diagnosed with asthma
- Ever diagnosed with cancer
- Ever diagnosed with coronary heart disease

- Ever diagnosed with COVID-19
- Ever diagnosed with depression
- Ever diagnosed with diabetes
- Ever diagnosed with hypertension
- Excellent, very good, or good self-rated health
- Have a usual place of care
- Health insurance coverage
- Internet access
- Limited in work due to physical, mental, emotional condition
- Ever served on active duty in the U.S. military
- Smoked at least 100 cigarettes
- Used the internet to look for health information in past 12 months
- Volunteered in past 12 months
- Voted in last local election

More information on the evaluation of benchmark variables and the calculation of standardized bias can be found in Irimata et al (4).

In addition, the weights calibrated to NHIS were used to evaluate estimates of TBI and firearm safety based on the survey questions, both for the total population and for selected subpopulations. Subgroup estimates for TBI are reported for selected RANDS 7 variables including:

- Age group (18–29 years, 30–44 years, 45–59 years, 60 years and older)
- Race and Hispanic origin (Black non-Hispanic, White non-Hispanic, Other non-Hispanic, Hispanic)
- Sex (Male, Female)
- Education (High school graduate or less, Some college, Bachelor’s degree or above)
- Urbanization (Metropolitan, Nonmetropolitan)

Subgroup estimates for firearm safety are reported for selected RANDS 7 variables including:

- Age group (18–29 years, 30–44 years, 45–59 years, 60 years and older)
- Race and Hispanic origin (Black non-Hispanic, White non-Hispanic, Other non-Hispanic, Hispanic)
- Sex (Male, Female)
- Education (High school graduate or less, Some college, Bachelor’s degree or above)
- Urbanization (Metropolitan, Nonmetropolitan)
- Depression level (None, Low, Medium, High), calculated based on questions related to frequency and level of feelings of depression and use of depression medication using guidance from the Washington Group on Disability Statistics (<https://www.washingtongroup-disability.com/>)

- Anxiety level (None, Low, Medium, High), calculated based on questions related to frequency and level of feelings of anxiety and use of anxiety medication using guidance from the Washington Group on Disability Statistics (<https://www.washingtongroup-disability.com/>)
- Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion (None, 1 or more)
- Ever served on active duty in the U.S. military (Yes, No)
- Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age (Never, Once, More than once)
- Frequency parent or adult in home swore, insulted, or put you down before 18 years of age (Never, Once, More than once)
- Voted in the last local election (Yes, No)
- Witnessed community violence in past 12 months (Yes, No)
- Sought medical care in past 12 months but cost prohibitive (Yes, No)
- Suicidal ideation by any person in household in past 12 months (Yes, No)
- Person with dementia, including Alzheimer disease, in household (Yes, No)
- Child in household (Yes, No)

These characteristics were selected to study estimates related to TBI and firearm safety among these subpopulations and to assess the reliability of reporting.

While calibration weighting can reduce bias in national and subgroup estimates, it increases heterogeneity, which can lead to decreased efficiency (larger variance). The data in this memo show which estimates can be produced following calibration. All estimates shown in this report meet NCHS standards for presentation (5). For further evaluation, the RANDS 7 public-use file is available at: <https://www.cdc.gov/nchs/rands/data.htm>.

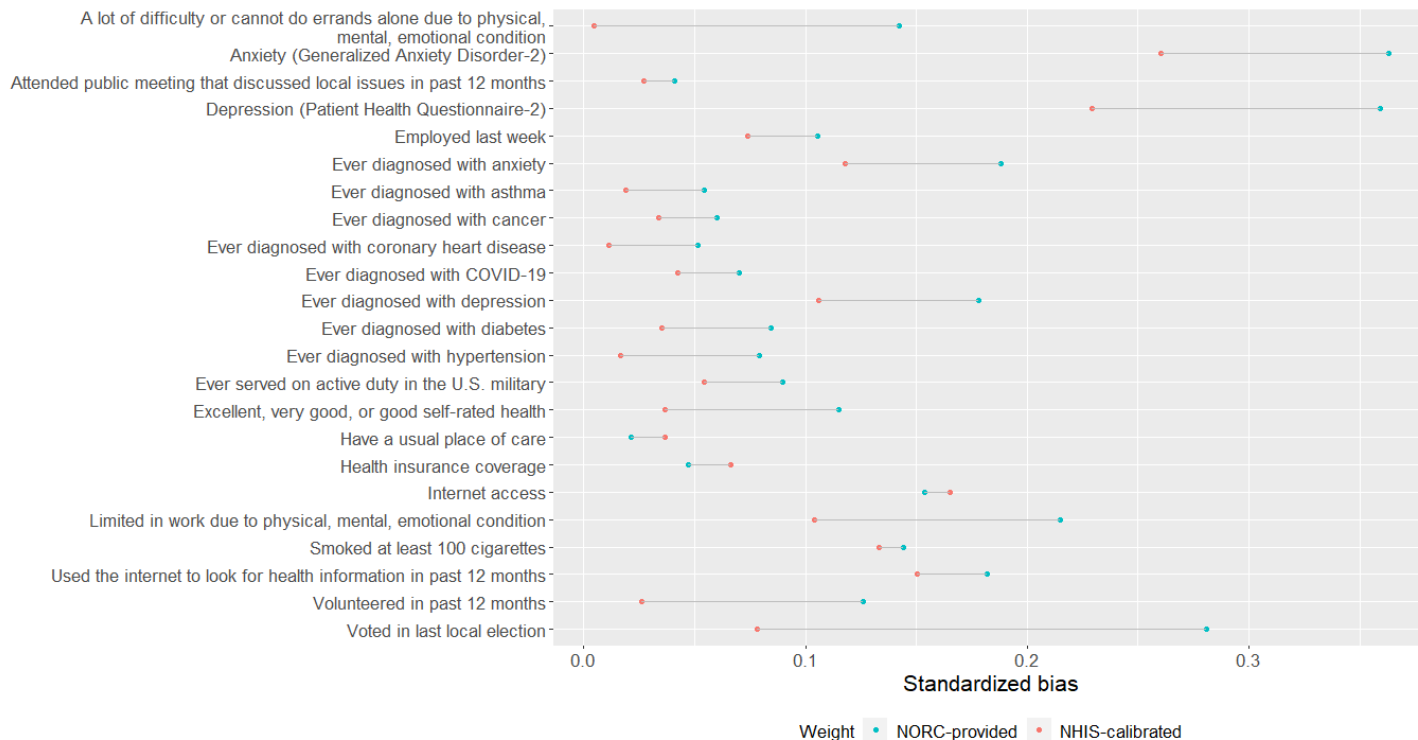
Results.

Assessment of Calibration Variables

Questions were evaluated for calibration weighting using several methods, including assessing the impact of the calibrated weights on the bias of estimates for variables available in both surveys.

The Figure shows the standardized bias of 23 selected variables in RANDS 7 using the original weights and weights calibrated to NHIS, compared with NHIS.

Figure. Standardized bias of variables in the Research and Development Survey 7 compared with the 2022 Quarter 3 National Health Interview Survey, by variable and weight



NOTES: NORC is NORC at the University of Chicago. NHIS is National Health Interview Survey. NORC-provided weights are the original Research and Development Survey panel weights without additional NHIS calibration. NHIS-calibrated weights include the additional calibration to NHIS. Standardized bias is calculated as $|p_R - p_N| / \sqrt{p_N(1 - p_N)}$, where p_R is the estimate in RANDES and p_N is the estimate in NHIS.

SOURCES: National Center for Health Statistics, Research and Development Survey 7, 2022; National Center for Health Statistics, National Health Interview Survey, 2022.

For most of the variables evaluated, the weights calibrated to NHIS (red dot) decreased the standardized bias compared with the original RANDES 7 weights (blue dot). A few variables showed an increase in bias, including 1) have a usual place of care, 2) health insurance coverage, and 3) internet access, although the increases were relatively small.

Evaluation of Traumatic Brain Injury Outcomes

Working with NCHS, staff from NCIPC proposed including a short set of TBI-related items in RANDES 7. This followed previous evaluation and design collaboration between NCIPC and NCHS' Collaborating Center for Questionnaire Design and Evaluation Research (6). For RANDES 7, NCIPC was particularly interested in

understanding how modifying the list of potential methods of injury would affect responses. As such, an experiment was embedded in the TBI section of RANDS 7 whereby one-half of the sample was asked the methods of injury question with a full set of nine answer categories (including an “Other, specify” category), and the other one-half of the sample was asked a version with only six of those nine categories (see Appendix B for the TBI-related items included in RANDS 7). Assignment to this experiment was done at the point of sampling, using a random number generator macro embedded in NORC’s survey programming.

Appendix C Tables I–XV report national and subgroup estimates (when reliable) for the specified TBI outcome from RANDS 7, calculated with weights calibrated to NHIS. Estimates that did not meet NCHS standards of reliability (5) and mean estimates that had a relative standard error greater than or equal to 0.3 (7) were not shown in the reported tables. For outcomes where more than 50% of the estimates in a table were suppressed, only the national estimate was reported. Estimates for one question measuring TBI as a result of participating in organized team or league sports are not reported, as more than 50% of the estimates were suppressed and the national estimate did not meet the reliability criteria.

Evaluation of Firearm Safety Outcomes

NCIPC staff also suggested a set of questions exploring firearm safety and storage for inclusion in RANDS. These items focused on storage of firearms in the house. NCIPC was interested in determining whether a general population survey panel (such as NORC’s AmeriSpeak Panel) would be appropriate for fielding such specific questions (see Appendix B for the Firearm Safety items asked in RANDS 7). While RANDS 7 did not include any additional evaluations of the firearm safety questions, they were evaluated using cognitive interviews in the Fall and Winter of 2022. This evaluation using cognitive interviews revealed that respondents’ interpretations of the items generally matched the constructs that NCIPC wanted them to capture.

Appendix D Tables I–XXV report national and subgroup estimates (when reliable) for the specified firearm safety outcome from RANDS 7, calculated with weights calibrated to NHIS. Estimates that did not meet NCHS standards of reliability were not shown in the reported tables (5). For outcomes where more than 50% of the estimates in a table were suppressed, only the national estimate was reported. Estimates for seven outcomes (adults with loaded and unlocked handguns for hunting or sport, adults with loaded and unlocked handguns for work, adults with loaded and unlocked handguns for another reason, adults with loaded and unlocked long guns for hunting or sport, adults with loaded and unlocked long guns for protection, adults with loaded and unlocked long guns for work, and adults with loaded and unlocked long guns for another reason) are not

reported, as more than 50% of the estimates in each table were suppressed, and the national estimates did not meet reliability criteria.

Discussion.

RANDS 7 was conducted in late 2022 to evaluate methods before the launch of RSS. This round of RANDS was fielded to evaluate variables for calibration weighting and to assess national and subgroup estimates on questions related to TBI and firearm safety. An assessment of the calibration variable selection and findings for TBI and firearm safety variables is included in this memo. Of the questions evaluated, only two TBI questions and two firearm safety questions had national estimates, and all subgroup estimates were reported (no suppression). Only national-level estimates could be reliably reported for eight TBI questions and three firearm safety outcomes, while estimates for one TBI question and seven firearm safety outcomes were entirely suppressed. Results suggest that the use of online panels is not appropriate for low prevalence events, particularly for follow-up questions that are not asked to all panelists. As a result, topics proposed for investigation using RSS will be evaluated to assess the ability to present the estimates based on the expected sample size. While not all estimates for TBI and firearm safety could be reported from RANDS 7, this data collection was useful for question testing and evaluation, including an evaluation of the impact of the number of answer categories on the response to the question on TBI methods of injury. Analysis of these data is ongoing and will include a comparative qualitative analysis of the open-ended data collected in the “Other, specify” category across the two question formats.

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Appendix A: Calibration Weighting

The RANDS 7 weights were calibrated to the 2022 Quarter 3 NHIS early release weights (<https://www.cdc.gov/rdc/b1datatype/dt1225.htm>) by raking on the following variables:

- Age group (18–34, 35–49, 50–64, 65 and older)
- Sex (Male, Female)
- Race and Hispanic origin (Black non-Hispanic, White non-Hispanic, Other non-Hispanic, Hispanic)
- Education (Less than high school, High school diploma or equivalent, Some college or above)
- Income group (\$0–\$49,999; \$50,000–\$99,999; \$100,000 or more)
- Region (Northeast, Midwest, South, West)
- Marital status (Married, Not married)
- Ever diagnosed with high cholesterol (Yes, No)
- Difficulty participating in social activities due to physical, mental, or emotional condition (No difficulty or some difficulty; A lot of difficulty or cannot do this at all)
- Civic engagement, which includes attending a public meeting in past 12 months, voting in last local election, or volunteering for any organization in past 12 months (Yes, No)
- Home ownership (Own or buying, Rent or other arrangement).

Raking is a weighting approach used to adjust the sample weights so that the row and column totals align to those of the population. These 11 variables were selected because they are associated with TBI and firearm safety and resulted in reduced bias for nearly all of the selected benchmark variables.

Appendix B: Traumatic Brain Injury and Firearm Safety Questions Included in RANDS 7

SECTION: Traumatic Brain Injury

TBIINTRO.

The next questions are about head injuries that may have occurred in the past 12 months. Please think about all head injuries, for example, from playing sports, car accidents, falls, or being hit by something or someone that may have occurred in the past 12 months.

HOVER_DISPLAY3.

There are terms in the following questions that have some additional text available to help explain what they are. If you are interested in that additional information, please hover over the terms in [blue](#) text to see it.

TBILOCMEMDAZ.

During the past 12 months, as a result of a blow or jolt to the head, have you been knocked out or lost consciousness, been dazed or confused, or had a gap in your memory?

[INSERT FOLLOWING HOVER TEXT OVER “blow or jolt to the head”: *Please think about all head injuries, for example, from playing sports, car accidents, falls, or being hit by something or someone that may have occurred in the past 12 months.*]

RESPONSE OPTIONS:

1. Yes
 2. No
-

TBIHEADSYM.

During the past 12 months, as a result of a blow or jolt to the head, have you had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior?

[INSERT FOLLOWING HOVER TEXT OVER “blow or jolt to the head”: *Please think about all head injuries, for example, from playing sports, car accidents, falls, or being hit by something or someone that may have occurred in the past 12 months.*]

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF TBILOCMEMDAZ = 1 or TBIHEADSYM = 1]

TBICOUNT.

During the past 12 months, how many head injuries did you have that caused you to experience these symptoms? For this question, it is okay to give your best guess.

Number of times:

[NUMBER BOX]

[SHOW IF TBILOCMEMDAZ = 1 or TBIHEADSYM = 1]

TBISPORT.

[SHOW IF TBILOCMEMDAZ = 1: Think about the blows or jolts to the head that caused you to lose consciousness, become dazed or confused, or have a gap in your memory.] Were you playing a sport or participating in a physical or recreational activity, such as jogging, biking, or pick-up games, when you experienced any of these blows or jolts to the head?

[Hover text over "sport": Include team or league sports competition or practices, and organized and non-organized sports.]

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF TBISPORT = 1]

TBILEAGUE.

Were you participating in an organized team or league sports competition or practice when you experienced any of these blows or jolts to the head?

RESPONSE OPTIONS:

1. Yes
 2. No
-

TBICKCONC.

During the past 12 months, as a result of a blow or jolt to the head, were you evaluated for a concussion or brain injury by a doctor, nurse, paramedic, athletic trainer, or other health care professional?

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF TBICHKCONC = 1]

TBIINTRO2.

The next set of questions are about your most recent head injury during the past 12 months.

[SHOW IF TBICHKCONC = 1]

TBICHKRECENT.

For your most recent head injury, were you evaluated for a concussion or brain injury by a doctor, nurse, paramedic, athletic trainer, or other health care professional?

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF TBICHKRECENT = 1]

TBIWHRCHK.

Where did the first evaluation for your most recent head injury by this health care professional take place?

RESPONSE OPTIONS:

1. Your regular doctor or primary care physician's office
 2. A hospital or emergency department
 3. An urgent care clinic
 4. On the sideline (for example, at a sporting event)
 5. Somewhere else, please specify [TEXTBOX]
-

[SHOW IF TBICHKCONC = 1]

TBIDX.

Following your most recent head injury, did a medical professional diagnose you with a concussion or traumatic brain injury?

RESPONSE OPTIONS:

1. Yes
 2. No
 77. Don't Know
-

[SHOW IF P_TBI = 1 AND (TBILOCMEMDAZ = 1 or TBIHEADSYM = 1)]

TBIMOI_1.

When you got your most recent head injury, which best describes how you got hurt? Please select one.

RESPONSE OPTIONS, RANDOMIZE:

1. I fell and hit my head

2. A car or motorcycle crash
 3. Bumped my head on something
 4. An object fell on me
 5. Bicycle crash
 6. I got hit in the head during a fight or an argument
 7. Collided with another person
 8. Felt dizzy or sick and fell, or passed out
 9. Other, please specify [TEXTBOX] [ANCHOR]
-

[SHOW IF P_TBI = 2 AND (TBILOCMEMDAZ = 1 or TBIHEADSYM = 1)]
TBIMOI_2.

When you got your most recent head injury, which best describes how you got hurt? Please select one.

RESPONSE OPTIONS, RANDOMIZE:

1. I fell and hit my head
 2. A car or motorcycle crash
 3. Bumped my head on something
 6. I got hit in the head during a fight or an argument
 8. Felt dizzy or sick and fell, or passed out
 9. Other, please specify [TEXTBOX] [ANCHOR]
-

[SHOW IF TBILOCMEMDAZ = 1 or TBIHEADSYM = 1]
WORKMISS.

Did you miss any work or school due to your most recent head injury?

RESPONSE OPTIONS:

1. Yes
 2. No
 77. Don't Know
-

[SHOW IF WORKMISS = 1]
WORKMISSA.

How many days did you miss any work or school due to your most recent head injury? For this question, it is okay to give your best guess.

Number of days:
[NUMBER BOX]

[SHOW IF TBILOCMEMDAZ = 1 or TBIHEADSYM = 1]

SYMSTILL.

Are you still experiencing any head injury-related symptoms after your most recent head injury?

RESPONSE OPTIONS:

1. Yes
 2. No
 77. Don't Know
-

[SHOW IF SYMSTILL = 2]

SYMRECA.

How long did it take for all of your head injury-related symptoms to go away after your most recent head injury?

RESPONSE OPTIONS:

1. Less than 1 day
 2. 1 – 2 days
 3. 3 – 7 days
 4. More than 7 days
-

SECTION: Firearm Safety

FIREARMSINTRO.

The next questions are about safety and firearms. Some people keep guns for recreational purposes such as hunting or sport shooting. People also keep guns in the home for protection. Please include firearms such as pistols, revolvers, shotguns, and rifles; but not BB guns or guns that cannot fire. Include those kept in a garage, outdoor storage area, or motor vehicle.

BRFSS_FA1.

Are any firearms now kept in or around your home?

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF BRFSS_FA1 = 1]

FA1A.

Are any of the firearms handguns, such as pistols or revolvers?

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF BRFSS_FA1 = 1]

FA1B.

Are any of the firearms long guns, such as rifles or shotguns?

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF BRFSS_FA1 = 1]

BRFSS_FA2.

Are any of these firearms now loaded?

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF BRFSS_FA2 = 1]

HOVER_DISPLAY4.

There are terms in the following questions that have some additional text available to help explain what they are. If you are interested in that additional information, please hover over the terms in [blue](#) text to see it.

[SHOW IF BRFSS_FA2 = 1]

BRFSS_FA3.

Are any of these loaded firearms also unlocked?

[INSERT FOLLOWING HOVER TEXT OVER “unlocked”: *By unlocked, we mean you do not need a key or a combination or a hand/fingerprint to get the gun or to fire it. Don’t count the safety as a lock.*]

RESPONSE OPTIONS:

1. Yes
 2. No
-

[SHOW IF BRFSS_FA3 = 1]

FA4.

How often are any loaded firearms stored unlocked when not in use?

[INSERT FOLLOWING HOVER TEXT OVER “unlocked”: *By unlocked, we mean you do not need a key or a combination or a hand/fingerprint to get the gun or to fire it. Don’t count the safety as a lock.*]

RESPONSE OPTIONS:

1. Never
 2. Rarely (less than 3 times)
 3. Occasionally (4 to 10 times)
 4. Often (more than 10 times)
 5. Always
-

[SHOW IF BRFSF_FA1 = 1]

FA5.

What is the main reason that there are firearms in or around your home?

Please select all that apply.

RESPONSE OPTIONS:

1. Hunting or sport
2. Protection
3. Work
4. Some other reason, please specify: [TEXTBOX]

Appendix C: Traumatic Brain Injury Outcomes

Table I. Unweighted sample sizes, weighted percentages, and standard errors of head injuries that resulted in a loss of consciousness, being dazed or confused, or a gap in memory among adults ages 18 and older in past 12 months, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	6,795	3.1	0.3
Age group			
18-29	986	4.4	0.9
30-44	1,864	3.2	0.6
45-59	1,502	2.8	0.5
60 and older	2,443	2.3	0.5
Race and Hispanic origin			
Black, non-Hispanic	881	5.2	1.2
White, non-Hispanic	4,385	2.3	0.3
Other, non-Hispanic	469	2.7	0.8
Hispanic ¹	1,060	4.4	1.0
Sex			
Female	3,470	2.7	0.4
Male	3,325	3.5	0.5
Education			
High school graduate or less	1,601	4.0	0.6
Some college	2,952	3.2	0.4
Bachelor's degree or above	2,242	2.0	0.4
Urbanization			
Metropolitan	5,907	2.9	0.3
Nonmetropolitan	888	4.5	0.7

¹People of Hispanic origin may be of any race.

NOTES: Data were collected by asking respondents: "During the past 12 months, as a result of a blow or jolt to the head, have you been knocked out or lost consciousness, been dazed or confused, or had a gap in your memory?" Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table II. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with traumatic brain injury symptoms in past 12 months, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	6,745	4.2	0.3
Age group			
18-29	972	7.4	1.3
30-44	1,853	3.9	0.6
45-59	1,498	3.7	0.6
60 and older	2,422	3.1	0.4
Race and Hispanic origin			
Black, non-Hispanic	870	4.8	0.9
White, non-Hispanic	4,358	3.2	0.4
Other, non-Hispanic	463	*	*
Hispanic ¹	1,054	7.4	0.9
Sex			
Female	3,438	4.4	0.5
Male	3,307	4.1	0.5
Education			
High school graduate or less	1,590	6.3	0.7
Some college	2,932	4.1	0.4
Bachelor's degree or above	2,223	2.1	0.4
Urbanization			
Metropolitan	5,867	4.2	0.4
Nonmetropolitan	878	4.3	0.9

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Data were collected by asking respondents: "During the past 12 months, as a result of a blow or jolt to the head, have you had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior?" Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table III. Unweighted sample sizes, weighted means, and standard errors of number of head injuries among adults ages 18 and older in past 12 months, among adults with a head injury resulting in a loss of consciousness, being dazed or confused, a gap in memory, or traumatic brain injury symptoms, by selected characteristics

Selected characteristic	Sample size	Mean	Standard error of mean	Relative standard error
Total	387	1.4	0.2	0.1
Age group				
18-29	78	1.3	0.1	0.1
30-44	113	1.9	0.5	0.2
45-59	88	1.1	0.2	0.2
60 and older	108	1.3	0.2	0.2
Race and Hispanic origin				
Black, non-Hispanic	59	1.6	0.3	0.2
White, non-Hispanic	197	1.4	0.2	0.2
Other, non-Hispanic	35	1.6	0.4	0.2
Hispanic ¹	96	1.4	0.2	0.2
Sex				
Female	213	1.5	0.2	0.2
Male	174	1.3	0.2	0.1
Education				
High school graduate or less	133	1.5	0.2	0.2
Some college	179	1.4	0.1	0.1
Bachelor's degree or above	75	1.4	0.3	0.2
Urbanization				
Metropolitan	326	1.6	0.2	0.1
Nonmetropolitan	61	*	*	0.3

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, 1) they had been knocked out or lost consciousness, been dazed or confused, or had a gap in their memory or 2) they had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior. Data were collected by asking respondents: "During the past 12 months, how many head injuries did you have that caused you to experience these symptoms? For this question, it is okay to give your best guess." Table reports the mean number of head injuries reported. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating means.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table IV. Unweighted sample size, weighted percentage, and standard error of traumatic brain injury incidence due to playing a sport among adults ages 18 and older with head injuries that resulted in a loss of consciousness, being dazed or confused, or a gap in memory in past 12 months

Selected characteristic	Sample size	Percent	Standard error
Total	98	28.9	6.9

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, 1) they had been knocked out or lost consciousness, been dazed or confused, or had a gap in their memory or 2) they had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior. For respondents that reported 1), data were collected by asking respondents: “Think about the blows or jolts to the head that caused you to lose consciousness, become dazed or confused, or have a gap in your memory. Were you playing a sport or participating in a physical or recreational activity, such as jogging, biking, or pick-up games, when you experienced any of these blows or jolts to the head?” Responses included: Yes, No. Table reports the percentage responding Yes among those who reported 1) but not 2). Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table V. Unweighted sample size, weighted percentage, and standard error of traumatic brain injury symptoms due to playing a sport among adults ages 18 and older with symptoms in past 12 months

Selected characteristic	Sample size	Percent	Standard error
Total	174	19.8	3.8

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, 1) they had been knocked out or lost consciousness, been dazed or confused, or had a gap in their memory or 2) they had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior. For respondents who reported 2), data were collected by asking respondents: “Were you playing a sport or participating in a physical or recreational activity, such as jogging, biking, or pick-up games, when you experienced any of these blows or jolts to the head?” Responses included: Yes, No. Table reports the percentage responding Yes among those who reported 2) but not 1). Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table VI. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older evaluated for a concussion in past 12 months, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	6,767	2.2	0.2
Age group			
18-29	977	1.9	0.6
30-44	1,852	2.1	0.4
45-59	1,504	1.7	0.4
60 and older	2,434	2.9	0.5
Race and Hispanic origin			
Black, non-Hispanic	871	2.8	0.6
White, non-Hispanic	4,375	1.8	0.3
Other, non-Hispanic	463	1.9	0.7
Hispanic ¹	1,058	3.3	0.7
Sex			
Female	3,448	2.3	0.3
Male	3,319	2.1	0.3
Education			
High school graduate or less	1,593	2.5	0.4
Some college	2,940	2.2	0.4
Bachelor's degree or above	2,234	1.9	0.4
Urbanization			
Metropolitan	5,883	2.2	0.3
Nonmetropolitan	884	2.4	0.7

¹People of Hispanic origin may be of any race.

NOTES: Data were collected by asking respondents: "During the past 12 months, as a result of a blow or jolt to the head, were you evaluated for a concussion or brain injury by a doctor, nurse, paramedic, athletic trainer, or other health care professional?"

Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table VII. Unweighted sample size, weighted percentage, and standard error of adults ages 18 and older evaluated for a concussion for most recent head injury, among adults evaluated for a concussion in past 12 months

Selected characteristic	Sample size	Percent	Standard error
Total	174	78.8	4.8

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, they were evaluated for a concussion or brain injury by a doctor, nurse, paramedic, athletic trainer, or other health care professional. Data were collected by asking respondents: “For your most recent head injury, were you evaluated for a concussion or brain injury by a doctor, nurse, paramedic, athletic trainer, or other health care professional?” Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table VIII. Unweighted sample sizes, weighted percentages, and standard errors of location of evaluation for most recent head injury among adults ages 18 and older

Outcome	Sample size	Percent	Standard error
Total			
Your regular doctor or primary care physician's office	144	18.3	4.1
A hospital or emergency department	144	62.8	4.8
An urgent care clinic	144	9.5	2.0
On the sideline (for example, at a sporting event)	144	1.4	1.0
Somewhere else, please specify	144	7.9	2.4

NOTES: Question was only asked to respondents who answered that they were evaluated for a concussion or brain injury by a doctor, nurse, paramedic, athletic trainer, or other health care professional for their most recent head injury. Data were collected by asking respondents: "Where did the first evaluation for your most recent head injury by this health care professional take place?" Responses included: Your regular doctor or primary care physician's office, A hospital or emergency department, An urgent care clinic, On the sideline (for example, at a sporting event), Somewhere else, please specify. Table reports the percentage responding to each response category. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages. Due to rounding, percentages may not add to 100.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table IX. Unweighted sample size, weighted percentage, and standard error of traumatic brain injury diagnosis in the past 12 months among adults ages 18 and older evaluated for a concussion

Selected characteristic	Sample size	Percent	Standard error
Total	156	45.0	5.5

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, they were evaluated for a concussion or brain injury by a doctor, nurse, paramedic, athletic trainer, or other health care professional. Data were collected by asking respondents: “Following your most recent head injury, did a medical professional diagnose you with a concussion or traumatic brain injury?” Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table X. Unweighted sample sizes, weighted percentages, and standard errors of the cause of most recent head injury among adults ages 18 and older in the past 12 months (version 1)

Outcome	Sample size	Percent	Standard error
Total			
I fell and hit my head	189	18.9	5.6
A car or motorcycle crash	189	13.5	4.0
Bumped my head on something	189	19.0	4.9
An object fell on me	189	9.9	3.0
Bicycle crash	189	0.7	0.2
I got hit in the head during a fight or an argument	189	*	*
Collided with another person	189	*	*
Felt dizzy or sick and fell, or passed out	189	*	*
Other, please specify	189	19.1	4.8

* Estimate does not meet National Center for Health Statistics standards of reliability.

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, 1) they had been knocked out or lost consciousness, been dazed or confused, or had a gap in their memory or 2) they had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior. Respondents were randomly assigned to respond to one of two versions of the question using a random number generator (estimates reported in this table and Table XI). Randomization was performed at the time panelists were selected and invited to participate in the survey. Data for this version of the question were collected by asking respondents: “When you got your most recent head injury, which best describes how you got hurt? Please select one.” Responses included: I fell and hit my head; A car or motorcycle crash; Bumped my head on something; An object fell on me; Bicycle crash; I got hit in the head during a fight or an argument; Collided with another person; Felt dizzy or sick and fell, or passed out; Other, please specify. Table reports the percentage responding to each response category. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XI. Unweighted sample sizes, weighted percentages, and standard errors of the cause of most recent head injury among adults ages 18 and older in the past 12 months (version 2)

Outcome	Sample size	Percent	Standard error
Total			
I fell and hit my head	207	20.4	3.5
A car or motorcycle crash	207	17.0	4.3
Bumped my head on something	207	23.7	4.3
I got hit in the head during a fight or an argument	207	*	*
Felt dizzy or sick and fell, or passed out	207	7.7	2.2
Other, please specify	207	23.1	4.3

* Estimate does not meet National Center for Health Statistics standards of reliability.

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, 1) they had been knocked out or lost consciousness, been dazed or confused, or had a gap in their memory or 2) they had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior. Respondents were randomly assigned to respond to one of two versions of the question using a random number generator (estimates reported in this table and Table X). Randomization was performed at the time panelists were selected and invited to participate in the survey. Data for this version of the question were collected by asking respondents: “When you got your most recent head injury, which best describes how you got hurt? Please select one.” Responses included: I fell and hit my head; A car or motorcycle crash; Bumped my head on something; I got hit in the head during a fight or an argument; Felt dizzy or sick and fell, or passed out; Other, please specify. Table reports the percentage responding to each response category. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older who missed work or school due to their most recent head injury in the past 12 months, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	382	20.7	2.9
Age group			
18-29	77	*	*
30-44	106	21.7	6.1
45-59	91	24.1	6.5
60 and older	108	11.3	3.3
Race and Hispanic origin			
Black, non-Hispanic	61	*	*
White, non-Hispanic	195	19.8	4.2
Other, non-Hispanic	36	*	*
Hispanic ¹	90	23.9	5.8
Sex			
Female	210	22.0	3.9
Male	172	19.2	4.8
Education			
High school graduate or less	132	18.1	4.3
Some college	176	29.4	5.9
Bachelor's degree or above	74	16.6	4.9
Urbanization			
Metropolitan	319	21.0	3.5
Nonmetropolitan	63	19.1	3.9

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, 1) they had been knocked out or lost consciousness, been dazed or confused, or had a gap in their memory or 2) they had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior. Data were collected by asking respondents: "Did you miss any work or school due to your most recent head injury?" Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XIII. Unweighted sample size, weighted mean, and standard error of the number of days of work or school missed due to most recent head injury among adults ages 18 and older in the past 12 months

Selected characteristic	Sample size	Mean	Standard error of mean	Relative standard error
Total	72	42.3	11.7	0.3

NOTES: Question was only asked to respondents who answered that they missed any work or school due to their most recent head injury. Data were collected by asking respondents: “How many days? For this question, it is okay to give your best guess.” Table reports the mean number of days of missed work or school reported. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating means. SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XIV. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older still experiencing head injury symptoms, among adults with a head injury in the past 12 months, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	364	23.1	3.5
Age group			
18-29	74	*	*
30-44	105	19.7	5.8
45-59	79	28.2	5.9
60 and older	106	19.9	4.6
Race and Hispanic origin			
Black, non-Hispanic	61	*	*
White, non-Hispanic	181	23.1	4.6
Other, non-Hispanic	34	*	*
Hispanic ¹	88	*	*
Sex			
Female	198	22.6	3.3
Male	166	23.6	6.2
Education			
High school graduate or less	132	21.9	6.0
Some college	163	28.6	4.8
Bachelor's degree or above	69	20.2	5.6
Urbanization			
Metropolitan	305	25.0	4.2
Nonmetropolitan	59	*	*

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that as a result of a blow or jolt to the head during the past 12 months, 1) they had been knocked out or lost consciousness, been dazed or confused, or had a gap in their memory or 2) they had headaches, sensitivity to light or noise, balance problems, or changes in mood or behavior. Data were collected by asking respondents: "Are you still experiencing any head injury-related symptoms after your most recent head injury?" Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XV. Unweighted sample sizes, weighted percentages, and standard errors of length of time until head injury symptoms subsided, among adults ages 18 and older still experiencing symptoms from a head injury in the past 12 months, by selected characteristics

Selected characteristic	Outcome	Sample size	Percent	Standard error
Total				
Total	Less than 1 day	262	29.2	4.2
Total	1 - 2 days	262	38.8	4.4
Total	3 - 7 days	262	16.6	3.3
Total	More than 7 days	262	15.4	2.7
Age group				
18-29	Less than 1 day	51	*	*
18-29	1 - 2 days	51	*	*
18-29	3 - 7 days	51	*	*
18-29	More than 7 days	51	*	*
30-44	Less than 1 day	78	33.5	6.7
30-44	1 - 2 days	78	41.1	6.7
30-44	3 - 7 days	78	*	*
30-44	More than 7 days	78	16.5	4.1
45-59	Less than 1 day	52	*	*
45-59	1 - 2 days	52	*	*
45-59	3 - 7 days	52	*	*
45-59	More than 7 days	52	*	*
60 and older	Less than 1 day	81	*	*
60 and older	1 - 2 days	81	22.2	6.2
60 and older	3 - 7 days	81	22.4	6.1
60 and older	More than 7 days	81	24.6	5.4
Race and Hispanic origin				
Black, non-Hispanic	Less than 1 day	42	*	*
Black, non-Hispanic	1 - 2 days	42	*	*
Black, non-Hispanic	3 - 7 days	42	*	*
Black, non-Hispanic	More than 7 days	42	*	*
White, non-Hispanic	Less than 1 day	137	27.1	6.2
White, non-Hispanic	1 - 2 days	137	38.6	5.8
White, non-Hispanic	3 - 7 days	137	15.9	3.6

Selected characteristic	Outcome	Sample size	Percent	Standard error
White, non-Hispanic	More than 7 days	137	18.4	4.8
Other, non-Hispanic	Less than 1 day	22	*	*
Other, non-Hispanic	1 - 2 days	22	*	*
Other, non-Hispanic	3 - 7 days	22	*	*
Other, non-Hispanic	More than 7 days	22	*	*
Hispanic ¹	Less than 1 day	61	*	*
Hispanic ¹	1 - 2 days	61	*	*
Hispanic ¹	3 - 7 days	61	*	*
Hispanic ¹	More than 7 days	61	*	*
Sex				
Female	Less than 1 day	139	33.0	6.9
Female	1 - 2 days	139	25.9	5.4
Female	3 - 7 days	139	21.5	5.2
Female	More than 7 days	139	19.6	4.5
Male	Less than 1 day	123	25.1	4.9
Male	1 - 2 days	123	52.8	6.1
Male	3 - 7 days	123	11.3	2.7
Male	More than 7 days	123	10.8	3.2
Education				
High school graduate or less	Less than 1 day	94	26.6	5.7
High school graduate or less	1 - 2 days	94	41.1	6.1
High school graduate or less	3 - 7 days	94	19.2	5.5
High school graduate or less	More than 7 days	94	13.2	3.5
Some college	Less than 1 day	117	28.7	6.9
Some college	1 - 2 days	117	28.7	7.3
Some college	3 - 7 days	117	23.7	5.2
Some college	More than 7 days	117	19.0	5.1
Bachelor's degree or above	Less than 1 day	51	*	*
Bachelor's degree or above	1 - 2 days	51	*	*
Bachelor's degree or above	3 - 7 days	51	*	*
Bachelor's degree or above	More than 7 days	51	*	*
Urbanization				
Metropolitan	Less than 1 day	219	29.7	4.7

Selected characteristic	Outcome	Sample size	Percent	Standard error
Metropolitan	1 - 2 days	219	38.8	5.0
Metropolitan	3 - 7 days	219	16.0	3.5
Metropolitan	More than 7 days	219	15.5	2.8
Nonmetropolitan	Less than 1 day	43	*	*
Nonmetropolitan	1 - 2 days	43	*	*
Nonmetropolitan	3 - 7 days	43	*	*
Nonmetropolitan	More than 7 days	43	*	*

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they are no longer experiencing any head injury-related symptoms after their most recent head injury. Data were collected by asking respondents: "How long did it take for all of your head injury-related symptoms to go away after your most recent head injury?" Responses included: Less than 1 day, 1 - 2 days, 3 - 7 days, More than 7 days. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages. Due to rounding, percentages may not add to 100.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Appendix D: Firearm safety outcomes

Table I. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	6,709	37.9	1.1
Age group			
18-29	977	30.3	2.1
30-44	1,849	34.6	2.0
45-59	1,482	42.0	2.0
60 and older	2,401	42.3	1.5
Race and Hispanic origin			
Black, non-Hispanic	873	26.5	2.2
White, non-Hispanic	4,315	44.7	1.4
Other, non-Hispanic	467	21.1	2.8
Hispanic ¹	1,054	29.8	2.0
Sex			
Female	3,436	34.9	1.5
Male	3,273	41.0	1.5
Education			
High school graduate or less	1,584	35.9	1.8
Some college	2,904	43.9	1.4
Bachelor's degree or above	2,221	35.9	1.7
Urbanization			
Metropolitan	5,830	35.6	1.1
Nonmetropolitan	879	53.4	2.5
Depression level			
None	4,651	39.8	1.3
Low	1,422	35.0	1.9
Medium	317	27.5	3.5
High	256	35.4	4.9
Anxiety level			
None	3,450	40.5	1.4
Low	2,261	36.0	1.8

Selected characteristic	Sample size	Percent	Standard error
Medium	591	33.0	2.7
High	355	35.1	3.9
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	2,304	39.9	1.6
1 or more	1,690	38.2	1.8
Ever served on active duty in the U.S. military			
Yes	775	55.7	2.6
No	5,896	36.2	1.1
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	4,214	39.4	1.4
Once	473	29.7	3.1
More than once	1,609	40.4	1.8
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	3,282	38.4	1.2
Once	391	26.2	3.4
More than once	2,483	41.1	1.8
Voted in the last local election			
Yes	4,488	43.8	1.1
No	2,179	31.9	1.5
Witnessed community violence in past 12 months			
Yes	327	40.0	4.8
No	6,344	37.9	1.1
Sought medical care in past 12 months but cost prohibitive			
Yes	772	36.6	2.4
No	5,905	38.1	1.2
Suicidal ideation by any person in household in past 12 months			
Yes	820	38.3	1.9
No	5,864	37.8	1.3
Person with dementia, including Alzheimer disease, in household			
Yes	226	50.2	5.3
No	6,461	37.6	1.1
Child in household			

Selected characteristic	Sample size	Percent	Standard error
Yes	2,393	37.4	1.7
No	4,316	38.2	1.4

¹People of Hispanic origin may be of any race.

NOTES: Data were collected by asking respondents: “Are any firearms now kept in or around your home?” Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table II. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns in the home, among adults who have a firearm in their home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,626	82.4	1.1
Age group			
18-29	319	80.3	3.8
30-44	676	83.5	2.2
45-59	623	87.0	2.2
60 and older	1,008	78.7	1.9
Race and Hispanic origin			
Black, non-Hispanic	247	87.7	3.5
White, non-Hispanic	1,929	81.7	1.4
Other, non-Hispanic	130	88.5	3.8
Hispanic ¹	320	80.2	2.6
Sex			
Female	1,195	80.3	1.8
Male	1,431	84.2	1.4
Education			
High school graduate or less	592	79.1	2.0
Some college	1,235	84.5	1.6
Bachelor's degree or above	799	84.0	2.2
Urbanization			
Metropolitan	2,129	83.9	1.1
Nonmetropolitan	497	75.5	2.9
Depression level			
None	1,916	82.0	1.4
Low	497	82.3	3.3
Medium	96	79.8	6.8
High	94	89.3	5.1
Anxiety level			
None	1,449	80.9	1.6
Low	843	84.7	1.9
Medium	207	76.7	4.8
High	110	90.8	3.4

Selected characteristic	Sample size	Percent	Standard error
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	948	83.3	1.5
1 or more	704	85.6	1.8
Ever served on active duty in the U.S. military			
Yes	446	89.4	1.7
No	2,169	81.3	1.3
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,693	80.5	1.6
Once	155	77.1	4.4
More than once	639	88.3	2.3
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,295	81.0	2.1
Once	123	72.8	5.0
More than once	1,024	85.2	1.8
Voted in the last local election			
Yes	1,917	83.2	1.2
No	694	81.2	2.4
Witnessed community violence in past 12 months			
Yes	124	87.9	3.7
No	2,491	82.0	1.2
Sought medical care in past 12 months but cost prohibitive			
Yes	279	84.4	3.0
No	2,339	82.0	1.4
Suicidal ideation by any person in household in past 12 months			
Yes	315	88.9	2.1
No	2,302	81.8	1.3
Person with dementia, including Alzheimer disease, in household			
Yes	93	82.2	5.0
No	2,528	82.4	1.2
Child in household			
Yes	923	81.8	1.9
No	1,703	82.7	1.4

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home. Data were collected by asking respondents: “Are any of the firearms handguns, such as pistols or revolvers?” Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table III. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with long guns in the home, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,630	73.0	1.3
Age group			
18-29	320	69.2	3.9
30-44	676	71.6	2.4
45-59	622	70.4	3.2
60 and older	1,012	77.9	1.8
Race and Hispanic origin			
Black, non-Hispanic	247	47.4	4.2
White, non-Hispanic	1,933	78.8	1.5
Other, non-Hispanic	131	*	*
Hispanic ¹	319	64.7	4.4
Sex			
Female	1,195	68.4	2.0
Male	1,435	77.3	1.5
Education			
High school graduate or less	597	74.2	2.6
Some college	1,235	75.3	1.9
Bachelor's degree or above	798	69.9	2.1
Urbanization			
Metropolitan	2,132	70.5	1.5
Nonmetropolitan	498	84.7	2.9
Depression level			
None	1,922	76.2	1.4
Low	496	67.4	3.7
Medium	96	65.4	6.7
High	94	*	*
Anxiety level			
None	1,455	78.3	1.4
Low	841	67.4	2.3
Medium	208	64.2	5.3
High	109	66.2	6.0

Selected characteristic	Sample size	Percent	Standard error
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	950	74.0	2.2
1 or more	705	72.3	2.5
Ever served on active duty in the U.S. military			
Yes	446	77.5	2.2
No	2,174	72.3	1.5
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,695	76.6	1.5
Once	157	69.3	5.3
More than once	641	66.5	2.8
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,294	75.7	2.0
Once	124	76.8	4.8
More than once	1,028	69.3	2.1
Voted in the last local election			
Yes	1,920	75.6	1.1
No	695	69.8	2.6
Witnessed community violence in past 12 months			
Yes	123	*	*
No	2,495	73.6	1.4
Sought medical care in past 12 months but cost prohibitive			
Yes	276	65.1	3.9
No	2,345	73.9	1.4
Suicidal ideation by any person in household in past 12 months			
Yes	314	67.6	4.1
No	2,307	74.0	1.4
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,530	73.3	1.2
Child in household			
Yes	925	73.0	2.2
No	1,705	73.1	1.4

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home. Data were collected by asking respondents: “Are any of the firearms long guns, such as rifles or shotguns?” Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table IV. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with loaded firearms in the home, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,615	37.9	1.6
Age group			
18-29	316	38.8	4.1
30-44	673	33.8	2.8
45-59	616	43.0	3.3
60 and older	1,010	36.5	2.2
Race and Hispanic origin			
Black, non-Hispanic	244	58.2	4.4
White, non-Hispanic	1,921	37.1	1.7
Other, non-Hispanic	130	23.5	4.5
Hispanic ¹	320	34.1	3.6
Sex			
Female	1,189	31.2	2.3
Male	1,426	44.0	2.0
Education			
High school graduate or less	591	41.5	3.0
Some college	1,229	39.9	1.9
Bachelor's degree or above	795	32.4	2.3
Urbanization			
Metropolitan	2,120	38.9	1.6
Nonmetropolitan	495	33.1	3.7
Depression level			
None	1,911	37.6	1.7
Low	494	35.3	3.6
Medium	95	37.3	6.8
High	94	*	*
Anxiety level			
None	1,447	37.9	1.9
Low	838	37.9	2.4
Medium	205	35.9	5.0
High	109	*	*

Selected characteristic	Sample size	Percent	Standard error
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	947	38.0	2.4
1 or more	703	44.7	3.2
Ever served on active duty in the U.S. military			
Yes	445	50.5	2.8
No	2,159	35.9	1.8
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,685	36.1	1.6
Once	158	30.7	5.5
More than once	638	43.1	3.3
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,288	36.6	2.0
Once	123	32.4	6.5
More than once	1,024	41.7	2.9
Voted in the last local election			
Yes	1,909	37.1	1.5
No	691	39.3	2.9
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,479	36.7	1.6
Sought medical care in past 12 months but cost prohibitive			
Yes	275	44.5	4.7
No	2,332	37.2	1.7
Suicidal ideation by any person in household in past 12 months			
Yes	314	37.6	3.8
No	2,293	38.0	1.6
Person with dementia, including Alzheimer disease, in household			
Yes	93	*	*
No	2,517	37.5	1.7
Child in household			
Yes	915	33.8	2.4
No	1,700	40.4	1.6

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home. Data were collected by asking respondents: “Are any of these firearms now loaded?” Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table V. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with unlocked firearms in the home, among adults with loaded firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	1,011	56.2	2.2
Age group			
18-29	131	54.5	6.8
30-44	248	48.5	4.5
45-59	257	51.0	3.8
60 and older	375	67.0	2.8
Race and Hispanic origin			
Black, non-Hispanic	127	57.0	6.9
White, non-Hispanic	710	56.1	2.6
Other, non-Hispanic	51	*	*
Hispanic ¹	123	*	*
Sex			
Female	383	44.7	4.0
Male	628	63.6	2.4
Education			
High school graduate or less	241	55.9	4.5
Some college	495	52.7	2.7
Bachelor's degree or above	275	60.3	3.4
Urbanization			
Metropolitan	843	55.7	2.6
Nonmetropolitan	168	58.7	5.2
Depression level			
None	737	56.7	2.2
Low	183	56.6	4.7
Medium	37	*	*
High	44	*	*
Anxiety level			
None	573	61.3	2.7
Low	305	51.9	4.8
Medium	81	*	*
High	45	*	*

Selected characteristic	Sample size	Percent	Standard error
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	368	53.7	3.8
1 or more	306	58.6	4.4
Ever served on active duty in the U.S. military			
Yes	215	61.9	4.2
No	793	54.8	2.5
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	630	56.0	2.6
Once	51	*	*
More than once	272	60.0	4.8
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	482	56.9	3.3
Once	43	*	*
More than once	421	57.3	4.2
Voted in the last local election			
Yes	723	55.5	2.9
No	283	57.0	4.2
Witnessed community violence in past 12 months			
Yes	70	*	*
No	936	56.2	2.1
Sought medical care in past 12 months but cost prohibitive			
Yes	120	49.9	7.2
No	888	57.0	2.2
Suicidal ideation by any person in household in past 12 months			
Yes	115	61.7	6.0
No	893	55.4	2.2
Person with dementia, including Alzheimer disease, in household			
Yes	42	*	*
No	968	55.8	2.3
Child in household			
Yes	323	43.3	4.1
No	688	62.9	2.9

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home that were currently loaded. Data were collected by asking respondents: “Are any of these loaded firearms also unlocked?” Responses included: Yes, No. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table VI. Unweighted sample sizes, weighted percentages, and standard errors of the number of times adults ages 18 and older have kept firearms in the home stored loaded and unlocked

Outcome	Sample size	Percent	Standard error
Total			
Never	574	6.6	1.4
Rarely (less than 3 times)	574	6.7	1.5
Occasionally (4 to 10 times)	574	6.0	1.1
Often (more than 10 times)	574	9.7	1.5
Always	574	71.1	2.4

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home that were currently loaded and also unlocked. Data were collected by asking respondents: “How often were any loaded firearms stored unlocked when not in use?” Responses included: Never, Rarely (less than 3 times), Occasionally (4 to 10 times), Often (more than 10 times), Always. Table reports the percentage responding to each response category. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages. Due to rounding, percentages may not add to 100.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table VII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with firearms in the home used for hunting or sport, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	47.8	1.7
Age group			
18-29	321	48.8	3.3
30-44	680	50.6	2.8
45-59	632	44.6	3.3
60 and older	1,016	47.9	2.8
Race and Hispanic origin			
Black, non-Hispanic	249	11.7	3.4
White, non-Hispanic	1,947	54.5	2.0
Other, non-Hispanic	132	32.6	7.2
Hispanic ¹	321	41.1	4.1
Sex			
Female	1,206	45.2	2.2
Male	1,443	50.2	2.0
Education			
High school graduate or less	600	50.2	3.0
Some college	1,245	46.7	2.4
Bachelor's degree or above	804	46.4	2.3
Urbanization			
Metropolitan	2,148	43.6	1.8
Nonmetropolitan	501	67.2	3.2
Depression level			
None	1,936	51.2	2.0
Low	500	41.8	3.4
Medium	96	38.1	7.2
High	94	24.5	6.1
Anxiety level			
None	1,467	50.7	2.2
Low	846	44.1	2.3
Medium	208	45.2	5.2

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	52.3	2.3
1 or more	709	48.1	2.1
Ever served on active duty in the U.S. military			
Yes	447	46.2	3.3
No	2,190	48.2	1.8
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	50.9	2.4
Once	158	49.0	6.0
More than once	644	40.1	2.9
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	52.1	2.6
Once	124	43.1	5.6
More than once	1,035	44.4	2.2
Voted in the last local election			
Yes	1,936	50.2	1.9
No	697	44.6	2.7
Witnessed community violence in past 12 months			
Yes	124	43.4	6.8
No	2,512	48.0	1.8
Sought medical care in past 12 months but cost prohibitive			
Yes	279	38.9	4.7
No	2,361	49.2	2.0
Suicidal ideation by any person in household in past 12 months			
Yes	316	41.4	3.5
No	2,324	48.9	1.9
Person with dementia, including Alzheimer disease, in household			
Yes	95	31.3	3.5
No	2,549	48.4	1.7
Child in household			
Yes	930	49.1	2.1
No	1,719	47.0	2.1

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home. Data were collected by asking respondents: "What is the main reason that there are firearms in or around your home? Please select all that apply." Responses included: Hunting or sport; Protection; Work; Some other reason, please specify. Table reports the percentage responding "Hunting or sport." Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table VIII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with firearms in the home used for protection, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	77.2	1.2
Age group			
18-29	321	85.1	3.2
30-44	680	80.6	2.3
45-59	632	78.2	2.9
60 and older	1,016	70.5	1.6
Race and Hispanic origin			
Black, non-Hispanic	249	90.4	3.8
White, non-Hispanic	1,947	74.4	1.4
Other, non-Hispanic	132	83.2	5.5
Hispanic ¹	321	81.9	3.5
Sex			
Female	1,206	75.1	2.0
Male	1,443	79.2	1.5
Education			
High school graduate or less	600	77.5	2.4
Some college	1,245	81.2	1.9
Bachelor's degree or above	804	73.7	2.2
Urbanization			
Metropolitan	2,148	78.3	1.3
Nonmetropolitan	501	72.4	2.2
Depression level			
None	1,936	75.4	1.4
Low	500	80.0	3.2
Medium	96	91.6	3.5
High	94	88.8	4.0
Anxiety level			
None	1,467	74.4	1.6
Low	846	79.3	2.0
Medium	208	86.5	3.8

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	75.8	2.5
1 or more	709	81.8	1.5
Ever served on active duty in the U.S. military			
Yes	447	79.1	2.5
No	2,190	77.1	1.3
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	75.5	1.7
Once	158	68.9	6.1
More than once	644	83.7	2.6
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	74.8	2.0
Once	124	75.1	4.4
More than once	1,035	81.3	2.2
Voted in the last local election			
Yes	1,936	74.2	1.3
No	697	81.6	2.6
Witnessed community violence in past 12 months			
Yes	124	86.3	4.4
No	2,512	76.7	1.3
Sought medical care in past 12 months but cost prohibitive			
Yes	279	81.6	4.0
No	2,361	77.0	1.3
Suicidal ideation by any person in household in past 12 months			
Yes	316	82.8	3.1
No	2,324	76.5	1.2
Person with dementia, including Alzheimer disease, in household			
Yes	95	76.9	3.6
No	2,549	77.3	1.2
Child in household			
Yes	930	77.9	2.2
No	1,719	76.9	1.3

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home. Data were collected by asking respondents: "What is the main reason that there are firearms in or around your home? Please select all that apply." Responses included: Hunting or sport; Protection; Work; Some other reason, please specify. Table reports the percentage responding "Protection." Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table IX. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with firearms in the home used for work, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	3.3	0.5
Age group			
18-29	321	3.8	1.1
30-44	680	5.1	0.9
45-59	632	2.1	0.5
60 and older	1,016	2.7	1.0
Race and Hispanic origin			
Black, non-Hispanic	249	4.4	1.3
White, non-Hispanic	1,947	2.8	0.4
Other, non-Hispanic	132	*	*
Hispanic ¹	321	*	*
Sex			
Female	1,206	2.4	0.4
Male	1,443	4.1	0.9
Education			
High school graduate or less	600	1.4	0.4
Some college	1,245	4.8	1.2
Bachelor's degree or above	804	3.9	0.8
Urbanization			
Metropolitan	2,148	3.4	0.6
Nonmetropolitan	501	3.0	1.1
Depression level			
None	1,936	3.5	0.6
Low	500	2.3	0.8
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	3.5	0.8
Low	846	3.6	0.8
Medium	208	1.7	0.7
High	111	0.6	0.4

Selected characteristic	Sample size	Percent	Standard error
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	4.2	1.1
1 or more	709	3.0	0.7
Ever served on active duty in the U.S. military			
Yes	447	*	*
No	2,190	2.7	0.3
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	3.1	0.6
Once	158	*	*
More than once	644	3.2	0.9
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	3.5	0.6
Once	124	*	*
More than once	1,035	2.2	0.4
Voted in the last local election			
Yes	1,936	3.8	0.5
No	697	2.5	0.8
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	3.3	0.5
Sought medical care in past 12 months but cost prohibitive			
Yes	279	3.8	0.9
No	2,361	2.9	0.4
Suicidal ideation by any person in household in past 12 months			
Yes	316	2.4	0.8
No	2,324	3.4	0.6
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	3.3	0.5
Child in household			
Yes	930	5.1	1.2
No	1,719	2.1	0.4

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home. Data were collected by asking respondents: "What is the main reason that there are firearms in or around your home? Please select all that apply." Responses included: Hunting or sport; Protection; Work; Some other reason, please specify. Table reports the percentage responding "Work." Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table X. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with firearms in the home used for another reason besides hunting or sport, protection, or work, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	9.8	0.8
Age group			
18-29	321	*	*
30-44	680	6.7	1.2
45-59	632	8.6	1.2
60 and older	1,016	14.2	1.7
Race and Hispanic origin			
Black, non-Hispanic	249	*	*
White, non-Hispanic	1,947	11.4	1.0
Other, non-Hispanic	132	10.4	3.1
Hispanic ¹	321	*	*
Sex			
Female	1,206	8.1	0.9
Male	1,443	11.4	1.3
Education			
High school graduate or less	600	8.7	1.4
Some college	1,245	9.4	0.9
Bachelor's degree or above	804	11.5	1.6
Urbanization			
Metropolitan	2,148	9.4	0.9
Nonmetropolitan	501	11.8	1.6
Depression level			
None	1,936	10.4	0.8
Low	500	8.2	2.0
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	10.9	1.1
Low	846	9.9	1.5
Medium	208	*	*

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	8.7	1.2
1 or more	709	8.5	1.1
Ever served on active duty in the U.S. military			
Yes	447	12.6	1.5
No	2,190	9.4	0.9
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	10.0	0.8
Once	158	*	*
More than once	644	7.7	1.7
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	9.7	1.0
Once	124	*	*
More than once	1,035	9.5	1.3
Voted in the last local election			
Yes	1,936	12.7	1.0
No	697	5.7	1.3
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	10.1	0.8
Sought medical care in past 12 months but cost prohibitive			
Yes	279	9.6	2.9
No	2,361	9.9	0.8
Suicidal ideation by any person in household in past 12 months			
Yes	316	12.5	2.3
No	2,324	9.5	0.8
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	9.9	0.8
Child in household			
Yes	930	7.8	1.1
No	1,719	11.1	1.0

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Question was only asked to respondents who answered that they had firearms now kept in or around their home. Data were collected by asking respondents: "What is the main reason that there are firearms in or around your home? Please select all that apply." Responses included: Hunting or sport; Protection; Work; Some other reason, please specify. Table reports the percentage responding "Some other reason." Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XI. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with firearms in the home that are stored loaded and locked, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	16.3	1.0
Age group			
18-29	321	17.1	3.5
30-44	680	17.2	1.9
45-59	632	20.5	2.1
60 and older	1,016	11.9	1.3
Race and Hispanic origin			
Black, non-Hispanic	249	24.5	4.0
White, non-Hispanic	1,947	15.9	1.2
Other, non-Hispanic	132	*	*
Hispanic ¹	321	16.0	3.1
Sex			
Female	1,206	16.9	1.7
Male	1,443	15.7	1.2
Education			
High school graduate or less	600	17.9	2.3
Some college	1,245	18.5	1.4
Bachelor's degree or above	804	12.7	1.4
Urbanization			
Metropolitan	2,148	16.9	1.1
Nonmetropolitan	501	13.4	2.4
Depression level			
None	1,936	16.0	1.1
Low	500	14.9	2.1
Medium	96	17.9	4.9
High	94	*	*
Anxiety level			
None	1,467	14.4	1.1
Low	846	18.0	2.1
Medium	208	19.8	4.7

Selected characteristic	Sample size	Percent	Standard error
High	111	21.3	5.8
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	17.6	1.9
1 or more	709	18.4	2.3
Ever served on active duty in the U.S. military			
Yes	447	18.9	2.5
No	2,190	15.9	1.2
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	15.5	1.1
Once	158	17.4	4.2
More than once	644	17.1	2.7
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	15.4	1.3
Once	124	15.2	3.6
More than once	1,035	17.6	2.1
Voted in the last local election			
Yes	1,936	16.1	1.3
No	697	16.7	1.7
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	15.7	0.9
Sought medical care in past 12 months but cost prohibitive			
Yes	279	21.7	4.4
No	2,361	15.7	0.9
Suicidal ideation by any person in household in past 12 months			
Yes	316	14.3	2.5
No	2,324	16.6	1.0
Person with dementia, including Alzheimer disease, in household			
Yes	95	17.2	4.8
No	2,549	16.3	1.0
Child in household			
Yes	930	18.8	1.8
No	1,719	14.7	1.3

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: Table reports the percentage of adults whose firearms were loaded and locked, among those who own any type of firearm. It is calculated from respondents who answered that they had firearms now kept in or around their home that were loaded and locked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with firearms in the home that are stored loaded and unlocked, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	20.9	1.3
Age group			
18-29	321	20.5	3.0
30-44	680	16.2	2.2
45-59	632	21.4	2.4
60 and older	1,016	24.1	1.7
Race and Hispanic origin			
Black, non-Hispanic	249	32.4	5.2
White, non-Hispanic	1,947	20.3	1.4
Other, non-Hispanic	132	15.8	3.4
Hispanic ¹	321	18.0	3.5
Sex			
Female	1,206	13.7	1.6
Male	1,443	27.4	1.7
Education			
High school graduate or less	600	22.6	2.3
Some college	1,245	20.6	1.5
Bachelor's degree or above	804	19.3	1.8
Urbanization			
Metropolitan	2,148	21.3	1.5
Nonmetropolitan	501	19.1	2.7
Depression level			
None	1,936	20.9	1.3
Low	500	19.5	2.6
Medium	96	19.3	5.3
High	94	*	*
Anxiety level			
None	1,467	22.8	1.6
Low	846	19.4	2.2
Medium	208	15.6	3.4

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	20.3	1.8
1 or more	709	26.0	2.7
Ever served on active duty in the U.S. military			
Yes	447	30.8	2.7
No	2,190	19.3	1.3
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	19.8	1.3
Once	158	12.9	3.2
More than once	644	25.7	2.6
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	20.3	1.7
Once	124	17.0	4.7
More than once	1,035	23.6	2.5
Voted in the last local election			
Yes	1,936	20.1	1.3
No	697	22.1	2.6
Witnessed community violence in past 12 months			
Yes	124	34.4	7.1
No	2,512	20.2	1.2
Sought medical care in past 12 months but cost prohibitive			
Yes	279	21.6	3.4
No	2,361	20.8	1.3
Suicidal ideation by any person in household in past 12 months			
Yes	316	23.0	3.4
No	2,324	20.7	1.2
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	20.5	1.4
Child in household			
Yes	930	14.4	1.8
No	1,719	25.0	1.5

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose firearms were loaded and unlocked, among those who own any type of firearm. It is calculated from respondents who answered that they had firearms now kept in or around their home that were loaded and unlocked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XIII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns in the home that are stored loaded and locked, among adults with only handguns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	5.2	0.5
Age group			
18-29	321	7.3	2.2
30-44	680	4.8	1.1
45-59	632	6.0	1.5
60 and older	1,016	3.8	0.7
Race and Hispanic origin			
Black, non-Hispanic	249	12.5	3.6
White, non-Hispanic	1,947	4.3	0.6
Other, non-Hispanic	132	*	*
Hispanic ¹	321	*	*
Sex			
Female	1,206	6.3	0.9
Male	1,443	4.1	0.7
Education			
High school graduate or less	600	6.4	1.3
Some college	1,245	5.4	0.8
Bachelor's degree or above	804	3.6	0.8
Urbanization			
Metropolitan	2,148	5.9	0.7
Nonmetropolitan	501	1.9	0.7
Depression level			
None	1,936	4.5	0.6
Low	500	4.6	1.4
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	4.2	0.7
Low	846	5.4	1.2
Medium	208	*	*

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	5.1	1.0
1 or more	709	6.5	1.7
Ever served on active duty in the U.S. military			
Yes	447	4.3	1.3
No	2,190	5.3	0.6
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	4.6	0.8
Once	158	*	*
More than once	644	6.3	1.5
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	4.0	0.7
Once	124	*	*
More than once	1,035	6.6	1.0
Voted in the last local election			
Yes	1,936	4.8	0.7
No	697	5.7	1.0
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	5.0	0.6
Sought medical care in past 12 months but cost prohibitive			
Yes	279	7.1	1.9
No	2,361	4.9	0.6
Suicidal ideation by any person in household in past 12 months			
Yes	316	*	*
No	2,324	5.2	0.6
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	5.0	0.5
Child in household			
Yes	930	4.5	0.8
No	1,719	5.6	0.8

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose handguns were loaded and locked, among those who own only handguns. It is calculated from respondents who answered that they had firearms now kept in or around their home that are handguns and not long guns and are loaded and locked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XIV. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with long guns in the home that are stored loaded and locked, among adults with only long guns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	0.7	0.2
Age group			
18-29	321	*	*
30-44	680	0.8	0.6
45-59	632	0.1	0.1
60 and older	1,016	0.5	0.2
Race and Hispanic origin			
Black, non-Hispanic	249	1.4	0.8
White, non-Hispanic	1,947	0.6	0.3
Other, non-Hispanic	132	*	*
Hispanic ¹	321	1.0	0.8
Sex			
Female	1,206	0.9	0.4
Male	1,443	0.4	0.3
Education			
High school graduate or less	600	1.3	0.6
Some college	1,245	0.4	0.2
Bachelor's degree or above	804	0.2	0.2
Urbanization			
Metropolitan	2,148	0.8	0.3
Nonmetropolitan	501	0.2	0.2
Depression level			
None	1,936	0.6	0.2
Low	500	0.8	0.5
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	0.4	0.2
Low	846	0.9	0.5
Medium	208	*	*

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	0.7	0.4
1 or more	709	0.4	0.3
Ever served on active duty in the U.S. military			
Yes	447	0.5	0.3
No	2,190	0.7	0.3
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	0.7	0.3
Once	158	*	*
More than once	644	0.3	0.1
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	0.1	0.1
Once	124	*	*
More than once	1,035	1.2	0.5
Voted in the last local election			
Yes	1,936	0.6	0.2
No	697	0.8	0.5
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	0.7	0.3
Sought medical care in past 12 months but cost prohibitive			
Yes	279	1.4	0.8
No	2,361	0.6	0.2
Suicidal ideation by any person in household in past 12 months			
Yes	316	0.1	0.1
No	2,324	0.7	0.3
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	0.7	0.3
Child in household			
Yes	930	1.3	0.6
No	1,719	0.3	0.1

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose long guns were loaded and locked, among those who own only long guns. It is calculated from respondents who answered that they had firearms now kept in or around their home that were long guns and not handguns that were loaded and locked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XV. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns in the home that are stored loaded and unlocked, among adults with only handguns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	5.1	0.6
Age group			
18-29	321	*	*
30-44	680	2.4	0.7
45-59	632	7.0	1.4
60 and older	1,016	5.2	0.9
Race and Hispanic origin			
Black, non-Hispanic	249	13.7	3.0
White, non-Hispanic	1,947	3.8	0.5
Other, non-Hispanic	132	*	*
Hispanic ¹	321	*	*
Sex			
Female	1,206	4.5	1.1
Male	1,443	5.6	1.1
Education			
High school graduate or less	600	6.7	1.3
Some college	1,245	4.2	0.8
Bachelor's degree or above	804	4.0	0.7
Urbanization			
Metropolitan	2,148	5.7	0.8
Nonmetropolitan	501	2.0	0.8
Depression level			
None	1,936	4.4	0.7
Low	500	*	*
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	4.7	0.8
Low	846	6.2	1.5
Medium	208	*	*

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	4.0	0.7
1 or more	709	6.3	1.4
Ever served on active duty in the U.S. military			
Yes	447	6.3	1.5
No	2,190	4.9	0.8
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	3.9	0.6
Once	158	*	*
More than once	644	8.1	1.7
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	4.7	1.2
Once	124	*	*
More than once	1,035	5.7	1.0
Voted in the last local election			
Yes	1,936	4.0	0.6
No	697	6.5	1.6
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	4.9	0.7
Sought medical care in past 12 months but cost prohibitive			
Yes	279	7.3	1.9
No	2,361	4.8	0.7
Suicidal ideation by any person in household in past 12 months			
Yes	316	*	*
No	2,324	4.7	0.6
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	5.0	0.7
Child in household			
Yes	930	4.0	1.2
No	1,719	5.7	0.8

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose handguns were loaded and unlocked, among those who own only handguns. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms are handguns and not long guns, and were loaded and unlocked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XVI. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with long guns in the home that are stored loaded and unlocked, among adults with only long guns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	0.8	0.3
Age group			
18-29	321	0.2	0.0
30-44	680	*	*
45-59	632	1.0	0.5
60 and older	1,016	0.5	0.2
Race and Hispanic origin			
Black, non-Hispanic	249	0.5	0.4
White, non-Hispanic	1,947	0.7	0.4
Other, non-Hispanic	132	*	*
Hispanic ¹	321	1.0	0.6
Sex			
Female	1,206	0.9	0.6
Male	1,443	0.6	0.3
Education			
High school graduate or less	600	1.4	0.8
Some college	1,245	0.7	0.2
Bachelor's degree or above	804	0.1	0.1
Urbanization			
Metropolitan	2,148	0.7	0.4
Nonmetropolitan	501	1.0	0.7
Depression level			
None	1,936	0.5	0.2
Low	500	*	*
Medium	96	*	*
High	94	0.4	0.4
Anxiety level			
None	1,467	0.4	0.1
Low	846	1.4	0.9
Medium	208	*	*

Selected characteristic	Sample size	Percent	Standard error
High	111	0.2	0.2
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	0.0	0.0
1 or more	709	0.8	0.4
Ever served on active duty in the U.S. military			
Yes	447	1.2	0.5
No	2,190	0.7	0.4
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	0.9	0.5
Once	158	*	*
More than once	644	0.7	0.4
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	0.5	0.2
Once	124	*	*
More than once	1,035	1.4	0.8
Voted in the last local election			
Yes	1,936	0.4	0.1
No	697	1.3	0.7
Witnessed community violence in past 12 months			
Yes	124	0.3	0.3
No	2,512	0.8	0.3
Sought medical care in past 12 months but cost prohibitive			
Yes	279	1.0	0.7
No	2,361	0.8	0.3
Suicidal ideation by any person in household in past 12 months			
Yes	316	0.8	0.8
No	2,324	0.8	0.3
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	0.7	0.3
Child in household			
Yes	930	1.1	0.7
No	1,719	0.6	0.2

0.0 Quantity more than zero but less than 0.05.

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose long guns were loaded and unlocked, among those who own only long guns. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms are long guns and not handguns, and were loaded and unlocked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XVII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns and long guns in the home that are both stored loaded and locked, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	10.3	0.8
Age group			
18-29	321	8.0	2.0
30-44	680	11.4	1.4
45-59	632	14.3	2.0
60 and older	1,016	7.3	1.0
Race and Hispanic origin			
Black, non-Hispanic	249	9.3	2.1
White, non-Hispanic	1,947	11.0	1.0
Other, non-Hispanic	132	*	*
Hispanic ¹	321	8.8	2.0
Sex			
Female	1,206	9.5	1.3
Male	1,443	11.1	1.0
Education			
High school graduate or less	600	9.9	1.6
Some college	1,245	12.7	1.4
Bachelor's degree or above	804	8.8	1.1
Urbanization			
Metropolitan	2,148	10.1	0.9
Nonmetropolitan	501	11.3	2.2
Depression level			
None	1,936	10.8	0.8
Low	500	9.5	1.8
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	9.6	0.8
Low	846	11.7	1.6
Medium	208	*	*

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	11.5	1.6
1 or more	709	11.4	1.6
Ever served on active duty in the U.S. military			
Yes	447	14.2	2.0
No	2,190	9.8	0.9
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	10.2	0.9
Once	158	10.9	2.9
More than once	644	10.6	2.1
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	11.1	1.2
Once	124	9.3	2.8
More than once	1,035	9.9	1.5
Voted in the last local election			
Yes	1,936	10.6	1.0
No	697	9.9	1.3
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	10.0	0.7
Sought medical care in past 12 months but cost prohibitive			
Yes	279	13.2	3.3
No	2,361	10.1	0.8
Suicidal ideation by any person in household in past 12 months			
Yes	316	8.9	1.7
No	2,324	10.6	0.9
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	10.4	0.8
Child in household			
Yes	930	12.7	1.5
No	1,719	8.8	1.0

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose handguns and long guns were loaded and locked, among those who own both handguns and long guns. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms include handguns and long guns, and were loaded and unlocked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XVIII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns and long guns in the home that are both stored loaded and unlocked, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	14.8	1.0
Age group			
18-29	321	14.6	2.1
30-44	680	12.4	1.9
45-59	632	13.1	1.7
60 and older	1,016	18.0	1.6
Race and Hispanic origin			
Black, non-Hispanic	249	18.2	3.9
White, non-Hispanic	1,947	15.6	1.2
Other, non-Hispanic	132	9.9	2.9
Hispanic ¹	321	9.7	1.7
Sex			
Female	1,206	7.9	1.2
Male	1,443	21.0	1.4
Education			
High school graduate or less	600	14.1	1.8
Some college	1,245	15.3	1.1
Bachelor's degree or above	804	15.1	1.7
Urbanization			
Metropolitan	2,148	14.7	1.2
Nonmetropolitan	501	15.4	2.1
Depression level			
None	1,936	15.7	1.3
Low	500	11.3	1.9
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	17.2	1.4
Low	846	11.7	1.5
Medium	208	11.0	2.5

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	16.4	1.9
1 or more	709	18.2	2.5
Ever served on active duty in the U.S. military			
Yes	447	23.2	2.6
No	2,190	13.4	1.0
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	14.6	1.0
Once	158	9.4	2.5
More than once	644	16.6	2.1
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	14.7	1.2
Once	124	*	*
More than once	1,035	16.3	2.1
Voted in the last local election			
Yes	1,936	15.3	1.0
No	697	14.2	2.0
Witnessed community violence in past 12 months			
Yes	124	25.0	6.0
No	2,512	14.3	1.0
Sought medical care in past 12 months but cost prohibitive			
Yes	279	13.1	3.2
No	2,361	15.0	1.0
Suicidal ideation by any person in household in past 12 months			
Yes	316	14.7	3.0
No	2,324	14.9	1.0
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	14.5	1.1
Child in household			
Yes	930	9.3	1.1
No	1,719	18.2	1.3

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose handguns and long guns were loaded and unlocked, among those who own both handguns and long guns. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms include handguns and long guns, and were loaded and unlocked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XIX. Unweighted sample size, weighted percentage, and standard error of firearm type measurement error for adults ages 18 and older with firearms in the home that are stored loaded and locked but are neither handguns or long guns, among adults with firearms in the home

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	0.1	0.1

NOTES: This table reports the percentage of adults whose firearms were loaded and locked, among those who own neither handguns or long guns (calculated as a measurement of error). It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms are neither handguns or long guns, and were loaded and unlocked. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XX. Unweighted sample sizes, weighted percentages, and standard errors of firearm type measurement error for adults ages 18 and older with firearms in the home that are stored loaded and unlocked but are neither handguns or long guns, among adults with firearms in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	2,649	0.1	0.1
Age group			
18-29	321	*	*
30-44	680	*	*
45-59	632	0.1	0.1
60 and older	1,016	0.2	0.2
Race and Hispanic origin			
Black, non-Hispanic	249	*	*
White, non-Hispanic	1,947	0.1	0.1
Other, non-Hispanic	132	*	*
Hispanic ¹	321	0.2	0.2
Sex			
Female	1,206	0.1	0.1
Male	1,443	0.1	0.1
Education			
High school graduate or less	600	*	*
Some college	1,245	0.3	0.2
Bachelor's degree or above	804	*	*
Urbanization			
Metropolitan	2,148	0.0	0.0
Nonmetropolitan	501	0.3	0.3
Depression level			
None	1,936	0.1	0.1
Low	500	0.1	0.1
Medium	96	*	*
High	94	*	*
Anxiety level			
None	1,467	0.1	0.1
Low	846	0.1	0.1
Medium	208	*	*

Selected characteristic	Sample size	Percent	Standard error
High	111	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	953	*	*
1 or more	709	0.1	0.1
Ever served on active duty in the U.S. military			
Yes	447	*	*
No	2,190	0.1	0.1
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	1,707	0.1	0.1
Once	158	*	*
More than once	644	0.1	0.1
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	1,305	0.1	0.1
Once	124	*	*
More than once	1,035	0.1	0.1
Voted in the last local election			
Yes	1,936	0.1	0.1
No	697	*	*
Witnessed community violence in past 12 months			
Yes	124	*	*
No	2,512	0.1	0.1
Sought medical care in past 12 months but cost prohibitive			
Yes	279	0.2	0.2
No	2,361	0.1	0.1
Suicidal ideation by any person in household in past 12 months			
Yes	316	*	*
No	2,324	0.1	0.1
Person with dementia, including Alzheimer disease, in household			
Yes	95	*	*
No	2,549	0.1	0.1
Child in household			
Yes	930	*	*
No	1,719	0.1	0.1

* Estimate does not meet National Center for Health Statistics standards of reliability.

0.0 Quantity more than zero but less than 0.05.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose firearms were loaded and unlocked, among those who own neither handguns or long guns (calculated as a measurement of error). It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms are neither handguns or long guns, and were loaded and unlocked.

Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XXI. Unweighted sample size, weighted percentage, and standard error of adults ages 18 and older with handguns in the home used for protection, among adults with only loaded and unlocked handguns in the home

Selected characteristic	Sample size	Percent	Standard error
Total	126	97.1	1.3

NOTES: This table reports the percentage of adults whose handguns were used for protection, among those who own only handguns that were loaded and unlocked. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms are handguns and not long guns, were loaded and unlocked, and the main reason the firearms were in or around the respondent's home was for protection. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XXII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns and long guns in the home used for hunting or sport, among adults with both loaded and unlocked handguns and long guns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	422	43.7	2.8
Age group			
18-29	52	*	*
30-44	89	56.7	6.4
45-59	107	43.2	6.6
60 and older	174	35.2	4.1
Race and Hispanic origin			
Black, non-Hispanic	33	*	*
White, non-Hispanic	328	48.3	3.8
Other, non-Hispanic	22	*	*
Hispanic ¹	39	*	*
Sex			
Female	110	27.8	5.8
Male	312	49.2	3.6
Education			
High school graduate or less	89	46.4	6.7
Some college	208	47.2	4.4
Bachelor's degree or above	125	38.1	5.1
Urbanization			
Metropolitan	339	39.5	3.0
Nonmetropolitan	83	62.3	5.3
Depression level			
None	306	44.9	3.1
Low	77	*	*
Medium	17	*	*
High	17	*	*
Anxiety level			
None	254	44.6	3.4
Low	111	40.7	6.6
Medium	36	*	*

Selected characteristic	Sample size	Percent	Standard error
High	18	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	167	46.8	5.2
1 or more	132	47.9	5.5
Ever served on active duty in the U.S. military			
Yes	111	48.0	5.8
No	309	42.9	3.5
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	260	39.7	3.2
Once	19	*	*
More than once	117	53.3	6.8
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	209	37.3	3.9
Once	18	*	*
More than once	171	49.9	5.2
Voted in the last local election			
Yes	312	47.6	3.4
No	109	37.5	5.6
Witnessed community violence in past 12 months			
Yes	30	*	*
No	389	42.2	2.9
Sought medical care in past 12 months but cost prohibitive			
Yes	40	*	*
No	381	43.7	3.0
Suicidal ideation by any person in household in past 12 months			
Yes	48	*	*
No	373	42.0	3.0
Person with dementia, including Alzheimer disease, in household			
Yes	19	*	*
No	402	43.7	3.0
Child in household			
Yes	102	54.1	7.3
No	320	40.4	2.7

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose handguns and long guns were used for hunting or sport, among those who own both handguns and long guns that were loaded and unlocked. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms include handguns and long guns, were loaded and unlocked, and the main reason the firearms were in or around the respondent's home was for hunting or sport. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XXIII. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns and long guns in the home used for protection, among adults with both loaded and unlocked handguns and long guns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	422	93.4	1.6
Age group			
18-29	52	*	*
30-44	89	96.1	2.2
45-59	107	96.4	1.8
60 and older	174	90.0	2.5
Race and Hispanic origin			
Black, non-Hispanic	33	*	*
White, non-Hispanic	328	93.9	1.8
Other, non-Hispanic	22	*	*
Hispanic ¹	39	99.4	0.6
Sex			
Female	110	92.4	3.6
Male	312	93.8	2.0
Education			
High school graduate or less	89	92.6	3.2
Some college	208	93.8	3.0
Bachelor's degree or above	125	93.9	2.8
Urbanization			
Metropolitan	339	94.1	1.8
Nonmetropolitan	83	90.6	3.9
Depression level			
None	306	94.1	1.5
Low	77	92.1	3.9
Medium	17	*	*
High	17	*	*
Anxiety level			
None	254	93.9	1.6
Low	111	92.9	3.4
Medium	36	*	*

Selected characteristic	Sample size	Percent	Standard error
High	18	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	167	91.5	2.5
1 or more	132	94.8	2.9
Ever served on active duty in the U.S. military			
Yes	111	85.4	5.3
No	309	95.6	1.1
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	260	92.0	1.9
Once	19	*	*
More than once	117	*	*
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	209	93.7	1.9
Once	18	*	*
More than once	171	96.3	2.1
Voted in the last local election			
Yes	312	90.5	2.3
No	109	97.9	2.1
Witnessed community violence in past 12 months			
Yes	30	*	*
No	389	94.1	1.4
Sought medical care in past 12 months but cost prohibitive			
Yes	40	96.8	3.1
No	381	93.9	1.4
Suicidal ideation by any person in household in past 12 months			
Yes	48	*	*
No	373	94.0	1.4
Person with dementia, including Alzheimer disease, in household			
Yes	19	*	*
No	402	94.7	1.3
Child in household			
Yes	102	93.2	4.0
No	320	93.5	1.5

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults who had handguns and long guns in the home for protection that were loaded and unlocked, among those who own both handguns and long guns. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms include handguns and long guns, were loaded and unlocked, and the main reason the firearms were in or around the respondent's home was for protection. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XXIV. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns and long guns in the home used for work, among adults with both loaded and unlocked handguns and long guns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	422	2.8	0.7
Age group			
18-29	52	*	*
30-44	89	*	*
45-59	107	*	*
60 and older	174	1.6	1.0
Race and Hispanic origin			
Black, non-Hispanic	33	*	*
White, non-Hispanic	328	1.9	0.6
Other, non-Hispanic	22	*	*
Hispanic ¹	39	*	*
Sex			
Female	110	*	*
Male	312	2.2	0.7
Education			
High school graduate or less	89	*	*
Some college	208	*	*
Bachelor's degree or above	125	*	*
Urbanization			
Metropolitan	339	2.8	0.7
Nonmetropolitan	83	*	*
Depression level			
None	306	3.4	0.9
Low	77	*	*
Medium	17	*	*
High	17	*	*
Anxiety level			
None	254	2.9	0.9
Low	111	*	*
Medium	36	*	*

Selected characteristic	Sample size	Percent	Standard error
High	18	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	167	*	*
1 or more	132	1.3	0.6
Ever served on active duty in the U.S. military			
Yes	111	*	*
No	309	2.9	0.8
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	260	2.8	0.9
Once	19	*	*
More than once	117	*	*
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	209	*	*
Once	18	*	*
More than once	171	*	*
Voted in the last local election			
Yes	312	3.7	1.0
No	109	*	*
Witnessed community violence in past 12 months			
Yes	30	*	*
No	389	2.8	0.8
Sought medical care in past 12 months but cost prohibitive			
Yes	40	*	*
No	381	2.8	0.8
Suicidal ideation by any person in household in past 12 months			
Yes	48	*	*
No	373	2.9	0.7
Person with dementia, including Alzheimer disease, in household			
Yes	19	*	*
No	402	2.7	0.7
Child in household			
Yes	102	*	*
No	320	2.6	0.8

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults whose handguns and long guns were loaded and unlocked for work, among those who own both handguns and long guns. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms include handguns and long guns, were loaded and unlocked, and the main reason the firearms were in or around the respondent's home was for work. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.

Table XXV. Unweighted sample sizes, weighted percentages, and standard errors of adults ages 18 and older with handguns and long guns in the home used for a reason other than hunting or sport, protection, or work, among adults with both loaded and unlocked handguns and long guns in the home, by selected characteristics

Selected characteristic	Sample size	Percent	Standard error
Total	422	7.8	1.3
Age group			
18-29	52	*	*
30-44	89	*	*
45-59	107	*	*
60 and older	174	9.8	3.0
Race and Hispanic origin			
Black, non-Hispanic	33	*	*
White, non-Hispanic	328	8.6	1.4
Other, non-Hispanic	22	*	*
Hispanic ¹	39	*	*
Sex			
Female	110	*	*
Male	312	7.5	1.2
Education			
High school graduate or less	89	*	*
Some college	208	9.8	2.6
Bachelor's degree or above	125	9.3	2.0
Urbanization			
Metropolitan	339	4.5	1.0
Nonmetropolitan	83	22.3	4.4
Depression level			
None	306	7.6	1.3
Low	77	*	*
Medium	17	*	*
High	17	*	*
Anxiety level			
None	254	6.9	1.1
Low	111	*	*
Medium	36	*	*

Selected characteristic	Sample size	Percent	Standard error
High	18	*	*
Number of times in past 30 days had more than 5 (males)/4 (females) alcoholic drinks on an occasion			
None	167	7.0	1.9
1 or more	132	*	*
Ever served on active duty in the U.S. military			
Yes	111	11.6	2.6
No	309	6.8	1.4
Frequency hit, beat, kicked, or physically hurt by parent or adult in home before 18 years of age			
Never	260	9.0	1.6
Once	19	*	*
More than once	117	*	*
Frequency parent or adult in home swore, insulted, or put you down before 18 years of age			
Never	209	6.9	2.0
Once	18	*	*
More than once	171	*	*
Voted in the last local election			
Yes	312	10.2	2.8
No	109	*	*
Witnessed community violence in past 12 months			
Yes	30	*	*
No	389	7.3	1.6
Sought medical care in past 12 months but cost prohibitive			
Yes	40	*	*
No	381	8.6	1.5
Suicidal ideation by any person in household in past 12 months			
Yes	48	*	*
No	373	7.3	1.6
Person with dementia, including Alzheimer disease, in household			
Yes	19	*	*
No	402	7.9	1.6
Child in household			
Yes	102	*	*
No	320	7.9	1.7

* Estimate does not meet National Center for Health Statistics standards of reliability.

¹People of Hispanic origin may be of any race.

NOTES: This table reports the percentage of adults who had handguns and long guns for a reason other than hunting or sport, protection, or work, whose handguns were loaded and unlocked among those who own both handguns and long guns. It is calculated from respondents who answered that they had firearms now kept in or around their home, the firearms include handguns and long guns, were loaded and unlocked, and the main reason the firearms were in or around the respondent's home was for a reason other than hunting or sport, protection, or work. Estimates are weighted using the weight calibrated to the 2022 National Health Interview Survey (Quarter 3). Unknowns were excluded from the denominators when calculating percentages.

SOURCE: National Center for Health Statistics, Research and Development Survey 7, 2022.