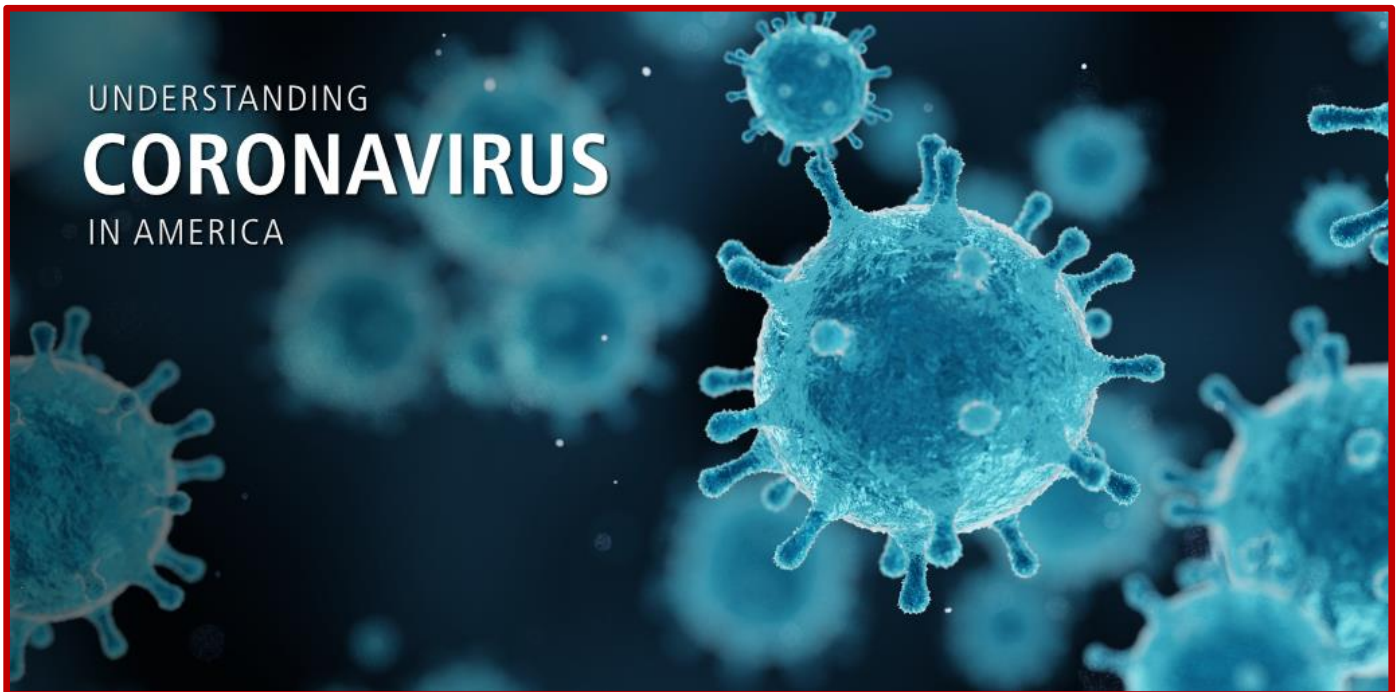**Center for Economic and Social Research**
**Understanding America Study**



**Coronavirus Tracking Survey**
**Methodology and Selected Topline Results**

**UAS 354 – Wave 34**
**May 12, 2023 – July 9, 2023**

**July, 2023 Release**

USC Center for Economic and Social Research

Understanding America Study's *Understanding Coronavirus In America* tracking survey – Methodology and Topline UAS 354 Wave 34

# Methodology of the Understanding Coronavirus In America Study

On March 10 2020, USC's Center for Economic and Social Research (CESR) invited all active members of CESR's Understanding America Study (UAS 266) probability-based internet panel to participate in survey focused on the novel coronavirusSR-2.  In April 2020, CESR started the Understanding Coronavirus in America tracking survey, and considered the March survey to be Wave 1. Waves 2 through 25 were conducted bi-weekly (April 2020 through February 2021). Waves 25 - 29 (March through July 2021) changed to a monthly cadence. Subsequent waves are being conducted as single surveys, on a quarterly basis.

This methodology and topline is associated with participants in Wave 34 of the tracking survey, administered from May 12, 2023 through July 9, 2023.

## Sample Information

A total of 9,114 adult residents of the U.S. participated in this wave and are included in the final UAS 354 data file. Margin of sampling error for the full sample is +/-1.

A total of 12,478 panel members were eligible to be included in the weighted sample, resulting in a participation rate of 74% for this wave. The sample includes 144 who started but did not complete the survey.

Panel members included in the raw data (available upon request) but excluded from the weighted sample files were recruited via listed sample for a specific project and are not included in the topline estimates, or in the associated data files.

Specific sample sizes and sampling error information for subsamples are provided in the topline and crosstab tables. Sampling error calculations are at the 95% confidence level. Factors other than sampling error may affect results of any survey, including question wording, question order, mode, sample type, population coverage, and impact of current events.

## Survey Design

Wave 1 and waves 30 – 34 of the Understanding Coronavirus in America study were conducted as stand-alone surveys (i.e., all UAS members were invited on the same day, with a decreasing distribution of participation over time). To provide a steady sample for daily tracking of changes over time, in waves 2-29 panel members were randomized to respond on a pre-assigned day of the week, distributed so that our full sample would participate over a specific period of time, with a set percentage participating each day.  Waves 2-24 of the national survey were conducted with a 14-day cadence while waves 25-29 were conducted over a 28-day period.  Los Angeles County residents participated twice as often, creating first a weekly sample, then a bi-weekly one. Participants were provided with incentive compensation at a prorated rate of $20 for 30 minutes of survey time.  Respondents could participate anytime between their assigned days in the current and subsequent waves. Those who completed on their assigned day received an extra $1 incentive. Most respondents (90%) participated on their assigned day.  Microdata single-survey wave data files and an updated longitudinal file are available to data users who register for an account at UASdata.usc.edu, after each full wave.

Interactive graphic results: The tracking survey design allowed us to provide daily updates to graphs on our tracking survey website Covid19Pulse.usc.edu  while waves 1-29 of the tracking survey were being conducted. Results are shown there from our national, California and Los Angeles County samples, overall and among categories of age, race/ethnicity, gender, education, and income, when sample size allows. We provide the aggregated data used to create the graphics in csv format, and the graphics files themselves are downloadable in several formats.

Survey questionnaires, toplines, microdata files, and a press room are available on our UAS Covid19 data site at uasdata.usc.edu/page/Covid-19+Home

## Questionnaire

Survey wording and question text are provided in this topline release, but for full wording including context, please refer to the associated codebook and questionnaire. For most questions, we rotated the order of response options, and/or questions to average out order effects. Respondents participated via computer, mobile device or tablet, at any time of day or night during the field period. The survey was conducted in the respondents' choice of English or Spanish.

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Topline reports, codebook, and questionnaires associated with this release are available without need for registration at https://uasdata.usc.edu/page/COVID-19+Corona+Virus.

## Weights

The method for creating sample weights for the tracking survey follows the general procedure for UAS surveys described in CESR's online methodology documentation. Sample weights are constructed in two steps. First, we calculate a base weight that corrects for unequal probabilities of selection of different households into the UAS. Second, we generate post-stratification weights, which align sample distributions of key demographics, namely gender, race/ethnicity, age, education, and geographic location, with their population counterparts. Population benchmarks are derived from the Basic Monthly Current Population Survey (CPS). The provided sample weights bring the sample in line with the U.S. adult population, if the entire sample is used. The sample weights also provide alignment with the population of Los Angeles County residents, California residents excluding Los Angeles County, and U.S. excluding California, if these geographic sub-samples are selected.

## About the Understanding America Study Internet Panel

The Understanding America Study (UAS) is an ongoing national research panel that started in 2014. We recruit panel members in waves from Marketing Systems Group frames of all household addresses in the United States. To ensure full coverage of the U.S. population, we provide internet-connected tablets to households that were not already online. Our panel includes U.S. residents who have cell phones, landlines, or no phone at all. It also includes a small number of respondents recruited from a listed sample, these participants are not included in weighted samples. Panel members are compensated for their participation.

For more information about the UAS panel, including weighting details; panel sampling procedures; recruitment protocols, survey and recruitment response rates; panel attrition rates; panel management protocols; and microdata files (including nonresponse and paradata), please visit the Understanding America Study panel website at https://UASdata.usc.edu or contact us at uas-l@usc.edu

## About the Center for Economic and Social Research

The Center for Economic and Social Research (CESR), part of the USC Dornsife College of Letters, Arts and Sciences, conducts basic and applied research in economics, psychology, demography, education, and sociology. The center's name signifies the breadth of the research, which encompasses numerous disciplines, topics and methodologies. The Center's multi-disciplinary philosophy fosters a productive and innovative research environment focused on understanding and informing important societal issues.

## Survey Team

**Arie Kapteyn** Ph.D., is Professor of Economics and the Executive Director of the Dornsife College of Letters Arts and Sciences Center for Economic and Social Research at the University of Southern California.

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For questions about this survey, please contact uas-l@usc.edu

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# Topline Report

| | |
|---|---|
| **Survey dates** | May 12, 2023 – July 9, 2023 |
| **Sample size** | 9,114 Adult U.S. Residents |

This report provides the sample characteristics for the UAS 354 weighted national sample, as well as brief summaries of responses to the questions included in the data file. Full questionnaires, longitudinal and single data files, and other survey and panel information are available at UASdata.usc.edu.

## National Sample Characteristics

The table below summarizes select characteristics of the full National sample, with and without survey weights.

| | National unweighted | National weighted |
|---|---|---|
| Male | 39% | 49% |
| Age(18-34) | 18% | 23% |
| Age(35-54) | 38% | 37% |
| Age(55-64) | 19% | 17% |
| Age(65+) | 25% | 22% |
| Low education (HS or less) | 20% | 38% |
| Medium education (Some College) | 34% | 26% |
| High education (College degree) | 46% | 36% |
| HH income ($0-24,999) | 18% | 21% |
| HH income ($25,000-49,999) | 19% | 21% |
| HH income ($50,000-74,999) | 18% | 18% |
| HH income ($75,000 and above) | 46% | 40% |
| Non-Hispanic White | 63% | 61% |
| Non-Hispanic Black | 10% | 12% |
| Non-Hispanic Asian | 7% | 6% |
| Non-Hispanic Other | 5% | 3% |
| Hispanic/Latino | 15% | 18% |

Please refer to the topline results reported in the attached document for question-specific sample sizes and margins of sampling error.

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**Survey introduction:**

Thank you for agreeing to participate in our ongoing survey which focuses on the impact of the novel coronavirus (COVID-19). We will send you a reminder to check in once every fourteen days, on [day of the week], to let us know how the coronavirus epidemic is affecting you. Most of the questions in this survey were asked in previous surveys. Thank you for answering them accurately again, to ensure we always have the most updated information.

## 1. COVID-19 Symptoms, Testing, and Medical Care

**cr001: Have you experienced any of the following symptoms in the past 7 days?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr001a: Fever or chills | 2.5 | 96.2 | 1.2 | 9078 | +/- 1 |
| cr001b: Runny or stuffy nose | 24.2 | 74.6 | 1.2 | 9078 | +/- 1 |
| cr001c: Chest congestion | 6.8 | 91.9 | 1.3 | 9079 | +/- 1 |
| cr001d: cough | 14.0 | 84.8 | 1.3 | 9074 | +/- 1 |
| cr001e: Sore throat | 7.0 | 91.9 | 1.1 | 9075 | +/- 1 |
| cr001f: Sneezing | 24.4 | 74.5 | 1.0 | 9077 | +/- 1 |
| cr001g: Muscle or body aches | 20.7 | 78.1 | 1.2 | 9075 | +/- 1 |
| cr001h: Headaches | 20.8 | 78.0 | 1.2 | 9076 | +/- 1 |
| cr001i: Fatigue or tiredness | 28.4 | 70.0 | 1.6 | 9076 | +/- 1 |
| cr001j: Shortness of breath | 8.5 | 90.0 | 1.5 | 9077 | +/- 1 |
| cr001l: Vomiting | 1.5 | 97.4 | 1.1 | 9072 | +/- 1 |
| cr001m: Hair Loss | 5.9 | 92.2 | 1.9 | 9079 | +/- 1 |
| cr001o: Body temperature higher than 100.4 F or 38.0 C | 0.7 | 97.3 | 2.0 | 9073 | +/- 1 |
| cr001p: Diarrhea | 7.8 | 90.8 | 1.4 | 9076 | +/- 1 |
| cr001q: Lost sense of smell or taste | 2.7 | 96.2 | 1.2 | 9073 | +/- 1 |
| cr001s: Confusion or difficulty thinking clearly | 7.0 | 91.3 | 1.8 | 9077 | +/- 1 |
| cr001t: Memory problems | 9.2 | 88.5 | 2.2 | 9079 | +/- 1 |
| cr001v: Other health problems | 7.3 | 90.3 | 2.4 | 9085 | +/- 1 |

**cr002: Have you been tested for coronavirus since [date of previous survey]? If so, what was the result?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr002_modified: tested for the coronavirus--Yes/No/Unsure | 33.2 | 65.2 | 1.6 | 9088 | +/- 1 |

**cr079: [if cr002=1,2,3 (they have been tested)] How many times have you been tested since [DATE OF PREVIOUS SURVEY]?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr079: how many times tested | 3.6 | 3493 | +/- 2 |

**cr005: Whether or not you have had a coronavirus test, has a doctor or another healthcare professional diagnosed you as having or probably having the coronavirus since [date of previous survey] ?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr005: diagnosed with the coronavirus | 5.3 | 93.2 | 1.5 | 9082 | +/- 1 |
| cr005a: experienced cold or flu | 11.7 | 86.3 | 1.9 | 9083 | +/- 1 |

**cr007: [if cr002 != 1 AND cr005 !=1] Do you think you have been infected with the coronavirus since [date of previous survey] ?**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| cr007: think infected with coronavirus | 3.6 | 96.4 | 7715 | +/- 1 |

**health_insurance: Do you currently have health insurance?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| health_insurance: have health insurance | 88.7 | 9.6 | 1.7 | 9074 | +/- 1 |

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**cr005a: Have you experienced a cold or the flu since [DATE ONE MONTH AGO]?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr005a: experienced cold or flu | 11.7 | 86.3 | 1.9 | *9083* | *+/- 1* |

## 2. COVID-19 Knowledge, Expectations, and Behaviors

**cr015: In the last seven days, have you done the following:**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr015k: Had close contact (within 6 feet) with people who do not live with you | 81.8 | 17.3 | 0.9 | *9056* | *+/- 1* |
| cr015a: Gone out to a bar, club, or other place where people gather | 39.4 | 59.7 | 0.9 | *9054* | *+/- 1* |
| cr015b: Gone to the grocery store or pharmacy | 86.1 | 13.2 | 0.7 | *9055* | *+/- 1* |
| cr015c: Gone to a friend, neighbor, or relatives residence (that is not your own) | 60.8 | 38.4 | 0.8 | *9056* | *+/- 1* |
| cr015d: Had visitors such as friends, neighbors or relatives at your residence | 59.2 | 39.8 | 1.0 | *9059* | *+/- 1* |
| cr015e: Attended a gathering with more than 10 people, such as a reunion, wedding, funer | 48.0 | 51.3 | 0.7 | *9059* | *+/- 1* |
| cr015f: Sought care from a hospital or health care facility | 13.4 | 85.7 | 0.9 | *9054* | *+/- 1* |
| cr015g: Been placed in isolation or quarantine | 1.2 | 97.8 | 1.0 | *9052* | *+/- 1* |
| cr015h: Remained in your residence at all times, except for essential activities or exer | 16.9 | 81.7 | 1.3 | *9058* | *+/- 1* |
| cr015i: Shared items like towels or utensils with other people | 35.4 | 63.3 | 1.3 | *9059* | *+/- 1* |
| cr015j: Had close contact (within 6 feet) with people who live with you | 77.5 | 21.7 | 0.8 | *9053* | *+/- 1* |
| cr015l: Gone outside to walk, hike, or exercise | 77.5 | 21.7 | 0.8 | *9056* | *+/- 1* |
| cr015m: Attended a political rally, protest, or demonstration | 0.9 | 98.4 | 0.7 | *9057* | *+/- 1* |
| cr015n: Attended an in-person religious service | 22.1 | 77.1 | 0.8 | *9052* | *+/- 1* |
| cr015r: Traveled by airplane | 6.6 | 92.4 | 1.0 | *9056* | *+/- 1* |
| cr015s: Traveled by public transportation (bus, subway, commuter rail, etc.) | 12.1 | 86.9 | 0.9 | *9053* | *+/- 1* |

**cr069: [if cr015a = 1 OR cr015b = 1 OR cr015c = 1 OR cr015d = 1 OR cr015e = 1 OR cr015f = 1 OR cr015k = 1 OR cr015l = 1 OR cr015m = 1 OR cr015n = 1 OR cr015r = 1 OR cr015s = 1] For each of the following activities, please indicate how often, if ever, you wore a mask or face covering.**

|  | Always | Most of the time | Sometimes | Rarely | Never | Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|
| cr069a: gone out to a bar, club, or other place where people gather | 2.2 | 2.8 | 7.7 | 10.4 | 76.8 | 0.3 | *3771* | *+/- 2* |
| cr069b: gone to the grocery store or pharmacy | 7.4 | 5.7 | 10.8 | 10.4 | 65.6 | 0.2 | *7992* | *+/- 1* |
| cr069c: friend, neighbor, or other relatives residence | 2.4 | 3.0 | 7.5 | 10.0 | 77.0 | 0.1 | *5553* | *+/- 1* |
| cr069d: visitors such as friends, neighbors, or relatives at residence | 2.4 | 2.2 | 7.6 | 9.4 | 78.2 | 0.2 | *5347* | *+/- 1* |
| cr069e: attended a gathering with more than 10 people | 3.6 | 4.2 | 10.0 | 10.8 | 71.2 | 0.2 | *4518* | *+/- 1* |
| cr069f: sought care from a hospital or health care facility | 23.2 | 10.3 | 15.0 | 12.5 | 38.5 | 0.4 | *1195* | *+/- 3* |
| cr069k: had close contact (within 6 feet) with people who do not live with you | 4.0 | 5.1 | 10.5 | 10.4 | 69.7 | 0.3 | *7589* | *+/- 1* |
| cr069l: gone outside to walk, hike, or exercise | 3.5 | 3.2 | 5.7 | 7.0 | 80.2 | 0.3 | *7247* | *+/- 1* |
| cr069n: attended an in-person religious service | 7.5 | 4.7 | 9.0 | 9.8 | 68.7 | 0.4 | *2081* | *+/- 2* |
| cr069r: traveled by airplane | 11.8 | 4.3 | 17.0 | 9.4 | 56.8 | 0.8 | *665* | *+/- 4* |
| cr069s: traveled by public transportation (bus, subway, commuter rail, etc.) | 16.1 | 9.6 | 14.6 | 10.9 | 48.2 | 0.7 | *1132* | *+/- 3* |

**cr021: We would like to ask about your family, as well as your close friends. How many family or close friends do you have? Only include people who are still alive, regardless of where they live.**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr021: how many family or close friends | 31.5 | *8992* | *+/- 1* |

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**cr022: [if [number of friends] > 0] Of these people, how many do you think have been infected with the coronavirus?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr022: infected how many family or close friends | 12.1 | *8813* | *+/- 1* |
| cr022b: died how many family or close friends | 8210.2 | *8814* | *+/- 1* |
| cr022a: hospitalized how many family or close friends | 1.0 | *8814* | *+/- 1* |
| cr022c: received vaccine how many family or close friends | 19.6 | *8808* | *+/- 1* |

**cr022a: [if [number of friends] > 0] You said that you have [number of friends] family and close friends. Of these people, how many do you think have been hospitalized (spent at least one night in the hospital) from the coronavirus?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr022a: hospitalized how many family or close friends | 1.0 | *8814* | *+/- 1* |

**cr022b: [if [number of friends] > 0] You said that you have [number of friends] family and close friends. Of these people, how many do you think have died from the coronavirus?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr022b: died how many family or close friends | 8210.2 | *8814* | *+/- 1* |

**cr022c: You said that you have [NUMBER] family and close friends. Of these people, how many do you think have received at least one dose of the coronavirus vaccine?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr022c: received vaccine how many family or close friends | 19.6 | *8808* | *+/- 1* |

**md011: Many states require children to receive vaccinations against diseases such as measles, mumps, rubella, diphtheria, pertussis, and tetanus before they can attend school. In general, do you support or oppose these requirements?**

|  | 1 Support | 2 Neither support nor oppose | 3 Oppose | 4 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|
| md011: support existing school vaccinations | 67.8 | 21.0 | 7.0 | 4.2 | *9009* | *+/- 1* |

**md004: Do you currently support or oppose requiring U.S. adults to wear a mask to do the following activities?**

|  | 1 Support | 2 Neither support nor oppose | 3 Oppose | Obs | MOSE |
|---|---|---|---|---|---|
| md004a: wear a mask travel on an airplane | 32.1 | 40.2 | 27.7 | *9004* | *+/- 1* |
| md004b: wear a mask attend a large outdoor public event, like a concert or sporting even | 14.3 | 46.3 | 39.4 | *9001* | *+/- 1* |
| md004c: wear a mask go to a bar or restaurant | 13.2 | 48.1 | 38.7 | *9009* | *+/- 1* |
| md004d: wear a mask go to a retail store, movie theater, or museum | 15.8 | 47.8 | 36.4 | *9009* | *+/- 1* |
| md004e: wear a mask attend a large indoor public event, like a concert or sporting event | 21.7 | 45.7 | 32.7 | *9008* | *+/- 1* |

**md005: Do you currently support or oppose requiring students to wear a mask to attend each of the following types of schools?**

|  | 1 Support | 2 Neither support nor oppose | 3 Oppose | Obs | MOSE |
|---|---|---|---|---|---|
| md005a: wear a mask attend preschool | 15.0 | 43.4 | 41.6 | *9005* | *+/- 1* |
| md005b: wear a mask elementary school | 16.8 | 43.1 | 40.1 | *9007* | *+/- 1* |
| md005c: wear a mask attend middle or high school | 17.2 | 44.2 | 38.5 | *9007* | *+/- 1* |
| md005d: wear a mask attend college | 16.0 | 46.5 | 37.5 | *9007* | *+/- 1* |

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**md006: Do you currently support or oppose requiring the following workers to wear a mask while they are at work?**

| | 1 Support | 2 Neither support nor oppose | 3 Oppose | Obs | MOSE |
|---|---|---|---|---|---|
| md006a: wear a mask hospital or other health care workers | 48.4 | 35.2 | 16.4 | *8997* | *+/- 1* |
| md006b: wear a mask restaurant or retail workers | 25.0 | 45.4 | 29.6 | *8999* | *+/- 1* |
| md006c: wear a mask members of the military | 14.7 | 51.6 | 33.7 | *8996* | *+/- 1* |
| md006d: wear a mask government workers, such as fire fighters or police officers | 17.7 | 49.5 | 32.8 | *8997* | *+/- 1* |
| md006e: wear a mask teachers and school staff | 21.3 | 47.4 | 31.4 | *8999* | *+/- 1* |
| md006f: wear a mask workers who do not interact with the public, such as office workers | 11.9 | 50.6 | 37.5 | *9006* | *+/- 1* |
| md006g: wear a mask taxi or rideshare (Lyft, Uber, etc.) drivers | 25.3 | 45.5 | 29.2 | *9006* | *+/- 1* |

## 3. COVID-19 Risk Perceptions

**cr023: On a scale of 0 to 100 percent, what is the chance that you will get the coronavirus in the next three months? If you are not sure, please give your best guess.**

| | Mean | Obs | MOSE |
|---|---|---|---|
| cr023: chance get coronavirus in next 3 months | 16.8 | *9029* | *+/- 1* |

**cr023b: If you do get the coronavirus, what is the percent chance you will be hospitalized (spend at least one night in the hospital) from it? If you are not sure, please give your best guess.**

| | Mean | Obs | MOSE |
|---|---|---|---|
| cr023b: chance hospitalized if get coronavirus | 12.5 | *9031* | *+/- 1* |

**cr024: If you do get the coronavirus, what is the percent chance you will die from it? If you are not sure, please give your best guess.**

| | Mean | Obs | MOSE |
|---|---|---|---|
| cr024: chance die from coronavirus | 10.0 | *9027* | *+/- 1* |

**cr166: In your opinion, is the coronavirus pandemic over in the U.S. or not?**

| | 1 Yes, the pandemic is over | 2 No, it is not over | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr166: is coronavirus pandemic over in U.S. | 48.7 | 32.6 | 18.6 | *8959* | *+/- 1* |

## 4. Vaccination

**cr025: Do you agree or disagree with the following statements about childhood vaccines?**

| | Strongly Disagree | Disagree | Agree | Strongly Agree | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr025a: have many known harmful side effects | 25.2 | 47.1 | 22.2 | 5.4 | *9028* | *+/- 1* |
| cr025b: Provide important benefits to society | 3.6 | 5.7 | 45.8 | 44.9 | *9033* | *+/- 1* |
| cr025c: may lead to illness and death | 28.7 | 44.4 | 22.6 | 4.2 | *9030* | *+/- 1* |
| cr025d: are useful and effective | 3.9 | 5.1 | 46.3 | 44.6 | *9028* | *+/- 1* |

**cr075: [if preload_cr075 = empty or [2,3] or cr092 != yes] Have you gotten vaccinated for the coronavirus?**

| | Yes | No | Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr075: gotten vaccinated for the coronavirus | 77.2 | 21.8 | 1.0 | *9039* | *+/- 1* |

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**cr076: [if cr075=yes] How many doses of the coronavirus vaccine have you received, including any boosters?**

|  | 1 1 | 2 2 | 3 3 | 4 4 | 5 5 | 6 6 | 7 7 | 8 8 | 9 9 or more | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| cr076: how many doses received | 6.4 | 33.9 | 30.2 | 20.1 | 8.6 | 0.8 | 0.0 | 0.0 | 0.1 | *7414* | *+/- 1* |

**cr072: Do you agree or disagree with the following statements? Vaccines for the coronavirus (COVID-19):**

|  | 1 Strongly disagree | 2 Disagree | 3 Agree | 4 Strongly agree | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr072a: covid 19 vaccines have many known harmful side effects | 18.1 | 37.9 | 31.8 | 12.2 | *8990* | *+/- 1* |
| cr072b: covid 19 vaccines provide important benefits to society | 11.6 | 18.9 | 41.0 | 28.5 | *8986* | *+/- 1* |
| cr072c: covid 19 vaccines may lead to illness and death | 19.9 | 37.3 | 31.4 | 11.4 | *8991* | *+/- 1* |
| cr072d: covid 19 vaccines are useful and effective | 11.7 | 19.2 | 41.9 | 27.2 | *8990* | *+/- 1* |

**cr089: How much do you trust the process in general (not just for COVID-19) to develop safe vaccines for children?**

|  | 1 Fully trust | 2 Mostly trust | 3 Somewhat trust | 4 Do not trust | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr089: trust in child vaccine manufacturing process | 16.2 | 36.4 | 29.2 | 18.2 | *8989* | *+/- 1* |

**cr090: How much do you trust the governmental approval process to ensure a COVID-19 vaccine is safe for children?**

|  | 1 Fully trust | 2 Mostly trust | 3 Somewhat trust | 4 Do not trust | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr090: trust in children governmental approval process | 14.5 | 30.3 | 26.7 | 28.5 | *8983* | *+/- 1* |

**cr150s: [If vaccinated] Across all of your coronavirus vaccinations and boosters, which vaccine brands have you received? Please mark all that apply.**

|  | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cr150s1: Pfizer | 39.9 | 60.1 | *7411* | *+/- 1* |
| cr150s2: Moderna | 53.7 | 46.3 | *7411* | *+/- 1* |
| cr150s3: Johnson and Johnson | 91.7 | 8.3 | *7411* | *+/- 1* |
| cr150s4: Novavax | 99.9 | 0.1 | *7411* | *+/- 1* |
| cr150s5: Astra-Zeneca | 99.9 | 0.1 | *7411* | *+/- 1* |
| cr150s6: Other | 98.9 | 1.1 | *7411* | *+/- 1* |
| cr150s7: Unsure | 97.7 | 2.3 | *7411* | *+/- 1* |

**cr160: An updated covid vaccine shot may be recommended in the fall of 2023. Do you agree or disagree with the following statements about this updated covid shot.**

|  | 1 Strongly disagree | 2 Somewhat disagree | 3 Somewhat agree | 4 Strongly agree | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr160a: An updated covid shot might cause lasting health problems for me | 24.1 | 32.3 | 26.6 | 17.0 | *9008* | *+/- 1* |
| cr160b: I am concerned about serious side effects of an updated covid shot | 22.6 | 26.9 | 28.3 | 22.2 | *9009* | *+/- 1* |
| cr160c: An updated covid shot in the fall 2023 will not have been around long enough to | 21.2 | 29.9 | 30.0 | 19.0 | *9007* | *+/- 1* |
| cr160d: I will do what my doctor or healthcare provider recommends about a covid shot | 18.8 | 18.8 | 33.7 | 28.7 | *9007* | *+/- 1* |
| cr160e: A covid shot will be beneficial for me | 22.6 | 19.6 | 32.7 | 25.1 | *9009* | *+/- 1* |
| cr160f: A covid shot will protect me from covid infection | 24.2 | 20.6 | 35.7 | 19.5 | *9006* | *+/- 1* |
| cr160g: Getting a covid shot will be important for the health of others in my community | 19.0 | 19.7 | 34.2 | 27.1 | *9009* | *+/- 1* |

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**cr161: If an updated covid shot is recommended and available this fall, how likely are you to get it?**

| | 1 Very likely | 2 Somewhat likely | 3 Somewhat unlikely | 4 Very unlikely | 5 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| cr161: updated covid shot is recommended and available fall, how likely to get | 29.4 | 20.2 | 11.6 | 34.0 | 4.8 | *9014* | *+/- 1* |

**cr164s: [If cr161 = very likely or somewhat likely] Why are you likely to get an updated covid shot? Please select all reasons that apply**

| | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cr164s1: To protect myself from getting sick from covid infection | 19.7 | 80.3 | *4943* | *+/- 1* |
| cr164s2: To prevent severe illness or hospitalization from covid infection | 25.3 | 74.7 | *4943* | *+/- 1* |
| cr164s3: To prevent missing work, vacation, or other activities | 59.2 | 40.8 | *4943* | *+/- 1* |
| cr164s4: To prevent Long Covid | 47.6 | 52.4 | *4943* | *+/- 1* |
| cr164s5: To protect others in my family or close friends | 21.5 | 78.5 | *4943* | *+/- 1* |
| cr164s6: To protect others in my community | 35.3 | 64.7 | *4943* | *+/- 1* |
| cr164s7: My doctor recommended that I get covid vaccinations | 57.8 | 42.2 | *4943* | *+/- 1* |
| cr164s8: My employer will require it | 90.5 | 9.5 | *4943* | *+/- 1* |
| cr164s9: To protect my pregnancy or baby | 96.6 | 3.4 | *4943* | *+/- 1* |
| cr164s10: Other, please specify: cr164_other | 98.5 | 1.5 | *4943* | *+/- 1* |

**cr165s: [If cr161 = somewhat unlikely or very unlikely] Why are you unlikely to get an updated covid shot? Please select all reasons that apply**

| | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cr165s1: I am concerned about serious side effects of the updated covid shot | 51.1 | 48.9 | *3711* | *+/- 2* |
| cr165s2: I am unsure whether the covid shot is safe | 51.1 | 48.9 | *3711* | *+/- 2* |
| cr165s3: I need to wait to talk to my doctor about it | 92.1 | 7.9 | *3711* | *+/- 2* |
| cr165s4: The pandemic is over | 66.0 | 34.0 | *3711* | *+/- 2* |
| cr165s5: I am tired of thinking about covid or covid vaccinations | 58.8 | 41.2 | *3711* | *+/- 2* |
| cr165s6: I am not worried about catching covid | 58.3 | 41.7 | *3711* | *+/- 2* |
| cr165s7: I am not worried about becoming very sick if I get covid | 65.7 | 34.3 | *3711* | *+/- 2* |
| cr165s8: I am protected from covid illness from prior covid infection(s) | 85.0 | 15.0 | *3711* | *+/- 2* |
| cr165s9: I am protected from covid illness due to prior doses of the vaccine | 91.7 | 8.3 | *3711* | *+/- 2* |
| cr165s10: I dont think the updated covid shot will be effective | 57.7 | 42.3 | *3711* | *+/- 2* |
| cr165s11: I experienced side effects from my previous dose(s) of the COVID-19 vaccine | 89.1 | 10.9 | *3711* | *+/- 2* |
| cr165s12: My work or school does not require an updated covid shot | 80.5 | 19.5 | *3711* | *+/- 2* |
| cr165s13: Getting an updated covid shot is not convenient | 91.3 | 8.7 | *3711* | *+/- 2* |
| cr165s14: The updated covid shot could affect my fertility | 92.8 | 7.2 | *3711* | *+/- 2* |
| cr165s15: I am concerned about side effects of the vaccine for my pregnancy or baby | 95.0 | 5.0 | *3711* | *+/- 2* |
| cr165s16: Other, please specify: cr165_other | 92.2 | 7.8 | *3711* | *+/- 2* |

**cr162: An updated covid shot may be recommended annually in the future. If an updated covid shot is recommended annually, how likely are you to get it every year?**

| | 1 Very likely | 2 Somewhat likely | 3 Somewhat unlikely | 4 Very unlikely | 5 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| cr162: covid shot recommended annually how likely to get | 27.6 | 20.9 | 12.0 | 33.8 | 5.7 | *9013* | *+/- 1* |

**cr163: [If age > 65] An updated covid shot may be recommended every six months (twice per year) to people who are 65 or older. If an updated covid shot is recommended to be given every six months, how likely are you to get this covid shot every six months?**

| | 1 Very likely | 2 Somewhat likely | 3 Somewhat unlikely | 4 Very unlikely | 5 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| cr163: covid shot recommended every six months how likely to get | 36.3 | 21.8 | 12.1 | 25.3 | 4.5 | *2257* | *+/- 2* |

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**cr073: On a scale of 0 to 100, what is the percent chance that someone who is vaccinated against the coronavirus could still catch it? If you are unsure, please give your best guess.**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr073: chance someone vaccinated against coronavirus still catch it | 52.8 | *8987* | *+/- 1* |

**cr074: On a scale of 0 to 100, what is the percent chance that a coronavirus vaccine will cause serious side effects or long-term health problems for someone who has been vaccinated? If you are unsure, please give your best guess.**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr074: chance coronavirus vaccine will cause serious side effects | 31.6 | *8979* | *+/- 1* |

**cr130: On a scale of 0 to 100, what is the percent chance that someone who is infected with the coronavirus will end up with "long covid" symptoms that persist for four weeks or more?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| cr130: chance coronavirus vaccine will cause long covid symptoms | 30.7 | *8973* | *+/- 1* |

**ucv005: How much do you trust the process in general (not just for COVID-19) to develop safe vaccines for the public?**

|  | 1 Fully trust | 2 Mostly trust | 3 Somewhat trust | 4 Do not trust | Obs | MOSE |
|---|---|---|---|---|---|---|
| ucv005: trust in vaccine manufacturing process | 15.4 | 37.2 | 29.8 | 17.6 | *8988* | *+/- 1* |

**ucv006: How much do you trust the governmental approval process to ensure the COVID-19 vaccine is safe for the public?**

|  | 1 Fully trust | 2 Mostly trust | 3 Somewhat trust | 4 Do not trust | Obs | MOSE |
|---|---|---|---|---|---|---|
| ucv006: trust in governmental approval process | 14.3 | 31.8 | 27.3 | 26.5 | *8985* | *+/- 1* |

**cv011: [If has child] In total, how many doses of the coronavirus vaccine has [NAME] received, including any boosters?**

|  | 1 1 | 2 2 | 3 3 | 4 4 | 5 5 | 6 6 | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|
| cv011: how many doses vaccinated selected child | 11.2 | 61.0 | 22.2 | 5.3 | 0.2 | 0.0 | 0.0 | *+/- 3* |

**cv013s: [If has child] Across all of [NAME]'s coronavirus vaccinations and boosters, which vaccine brands has he or she received? Please mark all that apply.**

|  | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cv013s1: Pfizer | 31.8 | 68.2 | *1243* | *+/- 3* |
| cv013s2: Moderna | 77.1 | 22.9 | *1243* | *+/- 3* |
| cv013s3: Johnson and Johnson | 97.1 | 2.9 | *1243* | *+/- 3* |
| cv013s4: Novavax | 99.8 | 0.2 | *1243* | *+/- 3* |
| cv013s5: Astra-Zeneca | 99.9 | 0.1 | *1243* | *+/- 3* |
| cv013s6: Other | 99.7 | 0.3 | *1243* | *+/- 3* |
| cv013s7: Unsure | 89.2 | 10.8 | *1243* | *+/- 3* |

**cv019: [If has child]  Did [NAME] get a flu shot since August of 2022?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cv019: get flu shot since August of 2022 selected child | 36.6 | 57.7 | 5.7 | *2586* | *+/- 2* |

**cv020: [If has child] How likely are you to get a flu shot for [NAME] in the fall of 2023 or the winter of 2023-2024?**

|  | 1 Very likely | 2 Somewhat likely | 3 Somewhat unlikely | 4 Very unlikely | 5 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| cv020: get flu shot in fall/winter 2023 selected child | 31.9 | 19.6 | 9.6 | 31.0 | 7.8 | *2587* | *+/- 2* |

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**cv016: [If has child] If an updated covid shot is recommended for the fall 2023 for children, how likely are you to get this covid shot for [NAME]?**

| | 1 Very likely | 2 Somewhat likely | 3 Somewhat unlikely | 4 Very unlikely | 5 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| cv016: updated covid shot is recommended and available fall, how likely to get selected | 20.0 | 15.6 | 10.6 | 44.9 | 8.9 | 2587 | +/- 2 |

**cv017s: [if cv016= "very likely" or "somewhat likely"] Why are you likely to get an updated covid shot for [NAME]?**

| | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cv017s1: To protect cv_selectednames[cv_selectedchild] from getting sick from covid infec | 23.1 | 76.9 | 1034 | +/- 3 |
| cv017s2: To prevent severe illness or hospitalization from covid infection | 35.9 | 64.1 | 1034 | +/- 3 |
| cv017s3: To prevent cv_selectednames[cv_selectedchild] from missing school, vacation, or | 40.5 | 59.5 | 1034 | +/- 3 |
| cv017s4: To prevent cv_selectednames[cv_selectedchild] from getting Long Covid | 39.5 | 60.5 | 1034 | +/- 3 |
| cv017s5: To protect others in our family or close friends | 37.4 | 62.6 | 1034 | +/- 3 |
| cv017s6: To protect others in our community | 46.9 | 53.1 | 1034 | +/- 3 |
| cv017s7: cv_selectednames[cv_selectedchild]s doctor recommended that cv_selectednames[cv_ | 52.7 | 47.3 | 1034 | +/- 3 |
| cv017s8: My friends children or other child family members get covid vaccinations | 75.8 | 24.2 | 1034 | +/- 3 |
| cv017s9: School will probably require it | 75.0 | 25.0 | 1034 | +/- 3 |
| cv017s10: Other, please specify: cv017_other | 99.2 | 0.8 | 1034 | +/- 3 |

**cv018s: [if cv016= "somewhat unlikely" or "very unlikely"] Why are you unlikely to get an updated covid shot for [NAME]? Please choose all reasons that apply.**

| | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cv018s1: I am concerned about serious side effects of the updated covid shot for cv_selec | 52.9 | 47.1 | 1328 | +/- 3 |
| cv018s2: I am unsure whether the covid shot will be safe for cv_selectednames[cv_selected | 53.4 | 46.6 | 1328 | +/- 3 |
| cv018s3: I need to talk to cv_selectednames[cv_selectedchild]s doctor about it | 88.2 | 11.8 | 1328 | +/- 3 |
| cv018s4: cv_selectednames[cv_selectedchild]s doctor has not recommended covid vaccination | 83.4 | 16.6 | 1328 | +/- 2 |
| cv018s5: The pandemic is over | 71.6 | 28.4 | 1328 | +/- 3 |
| cv018s6: I am tired of thinking about covid or covid vaccination for children | 70.5 | 29.5 | 1328 | +/- 3 |
| cv018s7: I am not worried about cv_selectednames[cv_selectedchild] catching covid | 71.0 | 29.0 | 1328 | +/- 3 |
| cv018s8: I am not worried about cv_selectednames[cv_selectedchild] becoming very sick fro | 70.3 | 29.7 | 1328 | +/- 3 |
| cv018s9: cv_selectednames[cv_selectedchild] is protected from covid illness due to prior | 89.7 | 10.3 | 1328 | +/- 3 |
| cv018s10: cv_selectednames[cv_selectedchild] is protected from covid illness due to prior | 95.7 | 4.3 | 1328 | +/- 3 |
| cv018s11: I dont think the updated covid shot will be effective for cv_selectednames[cv_se | 73.3 | 26.7 | 1328 | +/- 3 |
| cv018s12: cv_selectednames[cv_selectedchild] experienced side effects from previous dose(s | 98.1 | 1.9 | 1328 | +/- 3 |
| cv018s13: cv_selectednames[cv_selectedchild] is not required to get a covid shot by school | 66.6 | 33.4 | 1328 | +/- 3 |
| cv018s14: The updated covid shot could affect cv_selectednames[cv_selectedchild]s future f | 78.5 | 21.5 | 1328 | +/- 3 |
| cv018s15: Other, please specify: cv018_other | 94.1 | 5.9 | 1328 | +/- 3 |

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## 5. Mental Health, Physical Health, and Substance Abuse

**cr027: Over the past fourteen days, how often have you been bothered by any of the following problems?**

| | Not at All | Several Days | More than Half | Nearly Everyday | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr027a: how often Feeling nervous, anxious, or on edge | 66.0 | 23.0 | 6.0 | 5.0 | 8979 | +/- 1 |
| cr027b: how often Not being able to stop or control worrying | 73.5 | 16.9 | 5.2 | 4.4 | 8977 | +/- 1 |
| cr027c: how often Feeling down, depressed, or hopeless | 70.5 | 19.4 | 5.7 | 4.5 | 8979 | +/- 1 |
| cr027d: how often Little interest or pleasure in doing things | 72.1 | 17.9 | 5.8 | 4.1 | 8978 | +/- 1 |

**cr053: How strongly do you agree with each of the following?**

| | 1 Strongly disagree | 2 Disagree | 3 Neutral | 4 Agree | 5 Strongly agree | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| cr053a: I tend to bounce back quickly after hard times | 3.1 | 11.1 | 27.8 | 44.9 | 13.0 | 8989 | +/- 1 |
| cr053b: I have a hard time making it through stressful events | 19.1 | 39.7 | 24.2 | 14.0 | 2.9 | 8984 | +/- 1 |
| cr053c: It does not take me long to recover from a stressful event | 4.6 | 16.0 | 27.2 | 41.3 | 11.0 | 8984 | +/- 1 |
| cr053d: It is hard for me to snap back when something bad happens | 19.3 | 40.0 | 24.0 | 13.7 | 3.0 | 8989 | +/- 1 |
| cr053e: I usually come through difficult times with little trouble | 3.7 | 13.2 | 30.9 | 41.9 | 10.2 | 8989 | +/- 1 |
| cr053f: I tend to take a long time to get over set-backs in my life | 19.0 | 40.0 | 25.4 | 12.7 | 2.9 | 8985 | +/- 1 |

**cr054s: [if preloads are empty] Have you ever been told by a doctor, nurse, or other health professional that you have any of the following medical conditions? (please select all that apply)**

| | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cr054s1: Diabetes | 88.6 | 11.4 | 8983 | +/- 1 |
| cr054s2: Cancer (other than skin cancer) | 94.6 | 5.4 | 8983 | +/- 1 |
| cr054s3: Heart disease | 94.2 | 5.8 | 8983 | +/- 1 |
| cr054s4: High blood pressure | 69.3 | 30.7 | 8983 | +/- 1 |
| cr054s5: Asthma | 88.2 | 11.8 | 8983 | +/- 1 |
| cr054s6: Chronic lung disease such as COPD or emphysema | 96.5 | 3.5 | 8983 | +/- 1 |
| cr054s7: Kidney disease | 97.5 | 2.5 | 8983 | +/- 1 |
| cr054s8: Autoimmune disorder such as rheumatoid arthritis or Crohns Disease | 94.8 | 5.2 | 8983 | +/- 1 |
| cr054s9: A mental health condition | 87.1 | 12.9 | 8983 | +/- 1 |
| cr054s10: Obesity | 83.5 | 16.5 | 8983 | +/- 1 |
| cr054s11: None of the above | 57.4 | 42.6 | 8983 | +/- 1 |

**cr056: [if preloads are empty] Which of the following mental health conditions has a doctor or another health professional ever told you that you have?**

| | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr056a: An anxiety disorder | 19.4 | 77.2 | 3.5 | 8974 | +/- 1 |
| cr056b: Attention deficit hyperactivity disorder (ADHD) | 6.9 | 90.2 | 2.9 | 8972 | +/- 1 |
| cr056c: Bipolar disorder | 4.0 | 93.4 | 2.6 | 8975 | +/- 1 |
| cr056d: An eating disorder | 2.5 | 95.1 | 2.4 | 8974 | +/- 1 |
| cr056e: Depression or another depressive disorder | 22.0 | 75.3 | 2.7 | 8976 | +/- 1 |
| cr056f: Obsessive-compulsive disorder (OCD) | 3.8 | 93.1 | 3.1 | 8972 | +/- 1 |
| cr056g: Post-traumatic stress disorder (PTSD) | 8.0 | 89.3 | 2.7 | 8972 | +/- 1 |
| cr056h: Schizophrenia or another psychotic disorder | 1.2 | 96.6 | 2.2 | 8969 | +/- 1 |
| cr056i: other mental issue | 2.6 | 91.3 | 6.1 | 8790 | +/- 1 |

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**cr055: [if preloads are empty] [for each yes response in cr054 and cr056] Did the doctor or other health professional first say that you have [CONDITION] before or after March 10, 2020?"**

| | 1 Before March 10, 2020 | 2 After March 10, 2020 | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr055a: diabetes | 91.5 | 5.4 | 3.2 | *1004* | *+/- 3* |
| cr055b: cancer (other than skin cancer) | 91.5 | 6.1 | 2.4 | *586* | *+/- 4* |
| cr055c: heart disease | 94.1 | 4.3 | 1.6 | *502* | *+/- 4* |
| cr055d: high blood pressure | 93.5 | 4.9 | 1.6 | *2805* | *+/- 2* |
| cr055e: asthma | 96.3 | 2.6 | 1.1 | *1061* | *+/- 3* |
| cr055f: chronic lung disease such as COPD or emphysema | 93.3 | 5.3 | 1.4 | *284* | *+/- 6* |
| cr055g: kidney disease | 88.8 | 7.0 | 4.2 | *237* | *+/- 6* |
| cr055h: an autoimmune disorder such as rheumatoid arthritis or Crohns disease | 93.0 | 5.9 | 1.2 | *542* | *+/- 4* |
| cr055i: a mental health condition | 92.0 | 6.5 | 1.5 | *1250* | *+/- 3* |
| cr055j: obesity | 94.0 | 4.6 | 1.4 | *1628* | *+/- 2* |

**cr057: Did the doctor or other health professional first say that you have [CR056] before or after March 10, 2020?**

| | 1 Before March 10, 2020 | 2 After March 10, 2020 | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr057a: since when an anxiety disorder | 90.3 | 7.4 | 2.3 | *1691* | *+/- 2* |
| cr057b: since when attention deficit hyperactivity disorder (ADHD) | 83.6 | 13.0 | 3.5 | *501* | *+/- 4* |
| cr057c: since when bipolar disorder | 89.0 | 7.9 | 3.1 | *291* | *+/- 6* |
| cr057d: since when an eating disorder | 84.6 | 8.8 | 6.6 | *216* | *+/- 7* |
| cr057e: since when depression or another depressive disorder | 91.9 | 6.0 | 2.1 | *2038* | *+/- 2* |
| cr057f: since when obsessive-compulsive disorder (OCD) | 85.9 | 9.1 | 5.0 | *307* | *+/- 6* |
| cr057g: since when post-traumatic stress disorder (PTSD) | 86.5 | 9.7 | 3.8 | *717* | *+/- 4* |
| cr057i: since when other mental issue | 78.6 | 9.7 | 11.7 | *257* | *+/- 6* |

**cr060: [if preload_cr060 = EMPTY] Thinking about your sexual identity, how would you define yourself?**

| | Homosexual or gay or lesbian or not straight | Bisexual | Heterosexual or straight or not gay | Some other description | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr060: sexual identity | 3.4 | 4.6 | 88.8 | 3.2 | *8986* | *+/- 1* |

**cr061s: [if preload_cr061 = EMPTY] Thinking about your gender identity, how would you define yourself? (Check all that apply)**

| | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| cr061s1: Woman | 49.0 | 51.0 | *8989* | *+/- 1* |
| cr061s2: Man | 52.0 | 48.0 | *8989* | *+/- 1* |
| cr061s3: Trans woman | 99.9 | 0.1 | *8989* | *+/- 1* |
| cr061s4: Trans man | 99.8 | 0.2 | *8989* | *+/- 1* |
| cr061s5: Non-binary, gender-nonconforming, or genderqueer | 99.2 | 0.8 | *8989* | *+/- 1* |
| cr061s6: Some other description (please specify): cr061_other | 99.5 | 0.5 | *8989* | *+/- 1* |

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**cr114: Since March of 2020, have you experienced any of the following symptoms for at least four weeks?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr114a: experienced at least 4 weeks: extreme tiredness or fatigue | 17.1 | 81.1 | 1.8 | 9075 | +/- 1 |
| cr114b: experienced at least 4 weeks: Shortness of breath or difficulty breathing | 8.2 | 90.5 | 1.2 | 9075 | +/- 1 |
| cr114c: experienced at least 4 weeks: persistent cough | 8.2 | 90.5 | 1.3 | 9072 | +/- 1 |
| cr114d: experienced at least 4 weeks: joint pain | 21.1 | 77.6 | 1.3 | 9080 | +/- 1 |
| cr114e: experienced at least 4 weeks: body aches | 18.6 | 80.2 | 1.3 | 9071 | +/- 1 |
| cr114f: experienced at least 4 weeks: Loss of taste or smell | 4.1 | 94.7 | 1.2 | 9075 | +/- 1 |
| cr114g: experienced at least 4 weeks: Problems with memory or concentration | 11.6 | 86.3 | 2.0 | 9079 | +/- 1 |
| cr114h: experienced at least 4 weeks: difficulty sleeping | 21.7 | 76.8 | 1.5 | 9076 | +/- 1 |
| cr114i: experienced at least 4 weeks: headaches | 16.8 | 81.9 | 1.2 | 9072 | +/- 1 |
| cr114j: experienced at least 4 weeks: depression or anxiety | 21.0 | 77.3 | 1.7 | 9073 | +/- 1 |

**cr115: [list "yes" and "unsure" responses from CR114A-CR114J] Did these symptoms occur after you were infected with COVID-19?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr115a: symptoms occurred after Covid infection: Extreme tiredness or fatigue | 37.8 | 52.1 | 10.1 | 1790 | +/- 2 |
| cr115b: symptoms occurred after Covid infection: Shortness of breath or difficulty breat | 38.2 | 49.5 | 12.4 | 859 | +/- 3 |
| cr115c: symptoms occurred after Covid infection: persistent cough | 40.9 | 47.7 | 11.4 | 907 | +/- 3 |
| cr115d: symptoms occurred after Covid infection: joint pain | 23.6 | 67.8 | 8.6 | 2107 | +/- 2 |
| cr115e: symptoms occurred after Covid infection:  body aches | 30.8 | 60.3 | 9.0 | 1826 | +/- 2 |
| cr115f: symptoms occurred after Covid infection: Loss of taste or smell | 54.4 | 29.4 | 16.1 | 468 | +/- 5 |
| cr115g: symptoms occurred after Covid infection: Problems with memory or concentration | 36.5 | 50.6 | 12.9 | 1285 | +/- 3 |
| cr115h: symptoms occurred after Covid infection: difficulty sleeping | 25.7 | 65.9 | 8.4 | 2119 | +/- 2 |
| cr115i: symptoms occurred after Covid infection: headaches | 31.6 | 59.3 | 9.1 | 1608 | +/- 2 |
| cr115j: symptoms occurred after Covid infection: depression or anxiety | 21.8 | 70.1 | 8.1 | 2078 | +/- 2 |

**cr116: [list "yes" and "unsure responses from CR115A-CR115J] Did these symptoms also occur before you were infected with COVID-19?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr116a: symptoms occurred before Covid infection: Extreme tiredness or fatigue | 32.1 | 53.3 | 14.7 | 892 | +/- 3 |
| cr116b: symptoms occurred before Covid infection: Shortness of breath or difficulty brea | 32.3 | 53.2 | 14.5 | 424 | +/- 5 |
| cr116c: symptoms occurred before Covid infection: persistent cough | 17.6 | 66.3 | 16.2 | 480 | +/- 4 |
| cr116d: symptoms occurred before Covid infection: joint pain | 44.0 | 40.9 | 15.1 | 659 | +/- 4 |
| cr116e: symptoms occurred before Covid infection:  body aches | 39.6 | 44.5 | 15.9 | 740 | +/- 4 |
| cr116f: symptoms occurred before Covid infection: Loss of taste or smell | 6.7 | 73.9 | 19.4 | 342 | +/- 5 |
| cr116g: symptoms occurred before Covid infection: Problems with memory or concentration | 27.1 | 52.1 | 20.8 | 653 | +/- 4 |
| cr116h: symptoms occurred before Covid infection: difficulty sleeping | 47.8 | 35.0 | 17.2 | 703 | +/- 4 |
| cr116i: symptoms occurred before Covid infection: headaches | 48.9 | 36.3 | 14.7 | 647 | +/- 4 |
| cr116j: symptoms occurred before Covid infection: depression or anxiety | 54.1 | 27.2 | 18.7 | 618 | +/- 4 |

**cr117: [if "yes" to any symptoms in CR114A-CR114J] Are you still experiencing these symptoms now?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr117a: still experiencing: Extreme tiredness or fatigue | 66.1 | 26.5 | 7.4 | 1789 | +/- 2 |
| cr117b: still experiencing: Shortness of breath or difficulty breathing | 60.1 | 32.6 | 7.3 | 855 | +/- 3 |
| cr117c: still experiencing: persistent cough | 40.9 | 51.8 | 7.3 | 909 | +/- 3 |
| cr117d: still experiencing: joint pain | 75.6 | 19.9 | 4.5 | 2107 | +/- 2 |
| cr117e: still experiencing:  body aches | 64.9 | 30.5 | 4.5 | 1824 | +/- 2 |
| cr117f: still experiencing: Loss of taste or smell | 38.6 | 48.6 | 12.9 | 467 | +/- 5 |
| cr117g: still experiencing: Problems with memory or concentration | 68.7 | 21.8 | 9.6 | 1280 | +/- 3 |
| cr117h: still experiencing: difficulty sleeping | 72.3 | 21.9 | 5.8 | 2119 | +/- 2 |
| cr117i: still experiencing: headaches | 58.5 | 36.5 | 5.1 | 1607 | +/- 2 |
| cr117j: still experiencing: depression or anxiety | 73.9 | 19.7 | 6.4 | 2077 | +/- 2 |

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**cr118: [if "yes" to any symptoms in CR114A-CR114J] For how long did you/have you experienced any of these symptoms?**

|  | 1 Less than 1 month | 2 1-3 months | 3 3-6 months | 4 6-12 months | 5 More than 12 months | 6 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|
| cr118: duration of symptoms | 18.7 | 14.5 | 7.9 | 7.7 | 41.2 | 10.1 | 4493 | +/- 1 |

**cr119: How much do/did these symptoms prevent you from going about your usual daily activities, such as going to work or school, socializing, or taking care of your personal needs?**

|  | 1 A lot | 2 A little | 3 Not at all | 4 Unsure | Obs | MOSE |
|---|---|---|---|---|---|---|
| cr119: how significantly symptoms prevented daily activities | 15.7 | 45.5 | 35.1 | 3.7 | 4492 | +/- 1 |

**cr120a: Do you think you have experienced or are experiencing long COVID?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr120a: whether think experienced/experiencing long covid | 6.8 | 84.1 | 9.1 | 9070 | +/- 1 |

**cr120b: Has a doctor or other medical care provider ever diagnosed you with long COVID?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr120b: whether been diagnosed with long covid by a doctor/medical care provider | 1.8 | 96.2 | 2.0 | 9073 | +/- 1 |

**cr157: [if gender=female] Are you currently pregnant?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr157: currently pregnant | 1.7 | 96.8 | 1.4 | 5502 | +/- 1 |

**cr158: [if cr157 = No/unsure] Are you currently trying to get pregnant?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| cr158: currently trying to pregnant | 2.6 | 95.7 | 1.7 | 5440 | +/- 1 |

## 6. Labor Market Outcomes

**lr001: [If reported having job in previous wave] The next set of questions are about your primary job. If you have multiple jobs, think of the job in which you work the most hours or receive the most pay. You told us on [date of earlier survey[]] that you had a job. Which statement best reflects your current employment status.**

|  | Same Job | Lost Job and Looking | Temp Laid Off | Sick or Other Leave | Working at Different Job | Retired | None | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|---|
| lr001: employment status | 85.3 | 2.4 | 0.9 | 0.9 | 6.3 | 2.3 | 1.9 | 4208 | +/- 2 |

**lr003cc: [If reported having retired in previous wave] You told us in [previous survey] that you were retired. Which statement best reflects your current employment status?**

|  | Still retired | Now have a job | Unemployed and looking | None of these | Obs | MOSE |
|---|---|---|---|---|---|---|
| lr003cc: job status after retired | 96.5 | 0.8 | 0.8 | 1.9 | 1793 | +/- 2 |

**lr003dd: [If reported not in labor force in previous wave] You told us in [previous survey] that you were not in the labor force. Which statement best reflects your current employment status?**

|  | Still not in the labor force | Now have a job | Unemployed and looking | Retired | None of these | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| lr003dd: job status after not in labor force | 64.0 | 6.4 | 7.4 | 4.4 | 17.8 | 525 | +/- 4 |

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**lr004: Respondent is current employed - filled based on responses from lr001 through lr003a.**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| lr004: R currently has a job | 57.8 | 42.2 | *8993* | *+/- 1* |

**lr005: [IF lr004 = 1] In your primary job, are you self-employed or do you work for an employer?**

|  | 1 Self-employed | 2 Work for an employer | 3 Other (specify) lr005_other | Obs | MOSE |
|---|---|---|---|---|---|
| lr005: self employed or work for employer | 10.6 | 88.7 | 0.7 | *5210* | *+/- 1* |

**lr019s: [IF lr004 = 1] Do any of the following describe your primary job? Please check all that apply.**

|  | No | Yes | Obs | MOSE |
|---|---|---|---|---|
| lr019s1: Independent contractor (for example, freelance worker, Uber driver, Instacart wo | 90.4 | 9.6 | *5202* | *+/- 1* |
| lr019s2: On-call worker or day laborer | 93.6 | 6.4 | *5202* | *+/- 1* |
| lr019s3: Temporary agency worker | 98.7 | 1.3 | *5202* | *+/- 1* |
| lr019s4: Contract company worker | 85.4 | 14.6 | *5202* | *+/- 1* |
| lr019s5: None of the above | 30.9 | 69.1 | *5202* | *+/- 1* |

**lr006: [IF lr004 = 1] Out of the past seven days, how many days did you work at your job?**

|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|---|---|
| lr006: how many day work past seven days | 4.2 | 1.7 | 3.1 | 6.5 | 12.4 | 58.1 | 7.8 | 6.2 | *5213* | *+/- 1* |

**lr008: [IF lr004 = 1] Think of every day you worked in the past seven days. How many total hours did you work for pay across all the days?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| lr008: home many hours work for pay past 7 days | 36.3 | *5200* | *+/- 1* |

**lr007: [IF lr004 = 1] Out of the past seven days, how many days did you work from home?**

|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|---|---|
| lr007: how many day work from home past seven days | 67.1 | 4.8 | 4.3 | 4.3 | 3.8 | 11.8 | 1.0 | 2.8 | *5211* | *+/- 1* |

**lr010: [IF lr004 = 1] How frequently are you paid for your job?**

|  | 1 Monthly | 2 Every two weeks | 3 Every week | 4 Every day | 5 Other (specify) lr010_other | 6 Twice a month | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|
| lr010: how frequently paid | 9.4 | 44.0 | 18.6 | 1.6 | 2.4 | 24.0 | *5204* | *+/- 1* |

**lr011: [IF lr004 = 1] What was the amount on your most recent paycheck?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| lr011: amount most recent paycheck | 2913.8 | *5074* | *+/- 1* |

**lr011c: [If lr010==4 | lr010==5 | lr005==1]. Overall, taking into account all sources of income related to your job(s) and/or business, what was your income or "take home pay" in the past month?**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| lr011c: takeaway amount last month | 4184.1 | *592* | *+/- 4* |

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**lr026: [IF lr004 = 1] How often does your job currently require you to come within six feet of other people (such as customers, clients, patients, or coworkers)?**

| | 1 Never | 2 Less than once per week | 3 1-2 times per week | 4 Several times per week | 5 Nearly every day | 6 Every day | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|
| lr026: currently interaction within six feet | 19.7 | 6.5 | 6.4 | 8.7 | 13.4 | 45.2 | *5201* | *+/- 1* |

**lr003ee: Which statement best reflects your current employment status?**

| | I have a job | I am on sick or other leave | I am temporarily laid off from my job | I am unemployed and looking for work | I am retired | I am not in the labor force | None of these, please specify | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|---|
| lr003ee: job status unknown labor force status | 58.0 | 1.0 | 1.1 | 12.3 | 10.8 | 7.7 | 9.0 | *1981* | *+/- 2* |

**lb004: [if lr007=0] Consider your current job. Are you able to do that job from home at least partially?**

| | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| lb004: able to work from home | 24.5 | 75.5 | *3244* | *+/- 2* |

**lb005: [If lr007 > 0 OR lb005 = 1] Looking ahead to the next three months, how often would you like to work from home, whether you think you will be able to or not?**

| | 1 5+ days per week | 2 4 days per week | 3 3 days per week | 4 2 days per week | 5 1 day per week | 6 Less than 1 day per week | 7 Never | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|---|
| lb005: how often like to work from home | 40.0 | 8.6 | 14.7 | 11.7 | 9.0 | 7.0 | 9.0 | *2842* | *+/- 2* |

**lb006: Looking ahead to the next three months, how often is your employer planning for you to work from home?**

| | 1 5+ days per week | 2 4 days per week | 3 3 days per week | 4 2 days per week | 5 1 day per week | 6 Less than 1 day per week | 7 Never | 8 I dont know | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|---|---|
| lb006: how often employer planning to work from home next six months | 28.5 | 6.1 | 8.8 | 11.1 | 6.3 | 8.1 | 21.7 | 9.4 | *2416* | *+/- 2* |

## 7. Economic Insecurity

**ei002: In the past seven days, were you worried you would run out of food because of a lack of money or other resources?**

| | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| ei002: worried you would run out of food | 9.9 | 86.7 | 3.4 | *8965* | *+/- 1* |

**ei003: In the past seven days, did you eat less than you thought you should because of a lack of money or other resources?**

| | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| ei003: did you eat less | 10.4 | 87.0 | 2.6 | *8958* | *+/- 1* |

**ei004: In the past seven days, did you go without eating for a whole day because of a lack of money or other resources?**

| | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| ei004: did you go without eating | 4.9 | 92.7 | 2.4 | *8960* | *+/- 1* |

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**ei011: Do you have a mortgage?**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| ei011: do you have a mortgage | 36.1 | 63.9 | *8958* | *+/- 1* |

**ei012: [IF ei011 = 1] Have you received permission from your lender to delay or reduce payment on your mortgage?**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| ei012: permission to delay mortgage payment | 5.4 | 94.6 | *3474* | *+/- 2* |

**ei013: [IF ei011 = 1] In the past month, did you miss or delay payment on your mortgage, or did you pay less than the full amount?**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| ei013: past month delay payment on mortgage | 3.6 | 96.4 | *3477* | *+/- 2* |

**ei014: Do you rent your primary residence?**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| ei014: rent primary residence | 32.5 | 67.5 | *8962* | *+/- 1* |

**ei015: [IF ei014 = 1] Have you received permission from your landlord to delay or reduce payment of your rent?**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| ei015: permission to delay or reduce rent payment | 7.0 | 93.0 | *2835* | *+/- 2* |

**ei016: [IF ei014 = 1] In the past month, did you miss or delay payment of your rent, or did you pay less than the full amount?**

|  | 1 Yes | 2 No | Obs | MOSE |
|---|---|---|---|---|
| ei016: past month missed or delay rent payment | 12.3 | 87.7 | *2834* | *+/- 2* |

**ei017: How confident are you that you could come up with $2,000 if an unexpected need arose within the next month?**

|  | Certain Yes | Probably | Probably Not | Certain No | Don't know | Prefer not to say | Obs | MOSE |
|---|---|---|---|---|---|---|---|---|
| ei017: How confident | 53.0 | 13.2 | 6.4 | 14.0 | 8.4 | 4.9 | *8955* | *+/- 1* |

**ei019: In the past seven days, has anything belonging to you been stolen, such as a wallet or purse, clothing, jewelry, things in your home, or things in your vehicle?**

|  | 1 Yes | 2 No | 3 Unsure | Obs | MOSE |
|---|---|---|---|---|---|
| ei019: something been stolen in last 7 days | 1.8 | 94.6 | 3.6 | *8960* | *+/- 1* |

**ei030: Since April 1, have you been evicted or foreclosed, received an eviction or foreclosure notice, or been told by a landlord to move from your residence?**

|  | Yes, I have been or currently am in process | Yes, I have received written notice | Yes, I have received oral notice but not written | No | Does not apply | Obs | MOSE |
|---|---|---|---|---|---|---|---|
| ei030: have you been evicted or foreclosed, received an eviction or foreclosure notice | 0.8 | 0.7 | 0.4 | 50.7 | 47.4 | *8955* | *+/- 1* |

**ei031: [if ei030 is NOT Yes, I have been or am currently being, evicted or foreclosed from my residence] What is the percent chance that you will be evicted, go into foreclosure, or be forced by a landlord to move from your current residence in the next thirty days? If you are not sure, please give your best guess.**

|  | Mean | Obs | MOSE |
|---|---|---|---|
| ei031: chance will be evicted | 6.9 | *4663* | *+/- 1* |
| ei031_nas1: Does not apply to my housing situation | 1.0 | *4226* | *+/- 2* |

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## 8. Crime

**ei020: Do you agree or disagree with each of the following statements?**

|  | 1 Strongly disagree | 2 Disagree | 3 Agree | 4 Strongly agree | Obs | MOSE |
|---|---|---|---|---|---|---|
| ei020: My neighborhood is clean | 2.9 | 9.7 | 54.3 | 33.2 | 8956 | +/- 1 |

**ei021: Do you agree or disagree with each of the following statements?**

|  | 1 Strongly disagree | 2 Disagree | 3 Agree | 4 Strongly agree | Obs | MOSE |
|---|---|---|---|---|---|---|
| ei021: There is too much crime in my neighborhood | 36.5 | 45.9 | 13.9 | 3.7 | 8958 | +/- 1 |

**ei022: Do you agree or disagree with each of the following statements?**

|  | 1 Strongly disagree | 2 Disagree | 3 Agree | 4 Strongly agree | Obs | MOSE |
|---|---|---|---|---|---|---|
| ei022: Vandalism is common in my neighborhood | 40.1 | 45.7 | 11.5 | 2.8 | 8960 | +/- 1 |

**ei023: Do you agree or disagree with each of the following statements?**

|  | 1 Strongly disagree | 2 Disagree | 3 Agree | 4 Strongly agree | Obs | MOSE |
|---|---|---|---|---|---|---|
| ei023: There are too many people hanging around on the streets near my home | 42.1 | 42.9 | 11.3 | 3.7 | 8960 | +/- 1 |