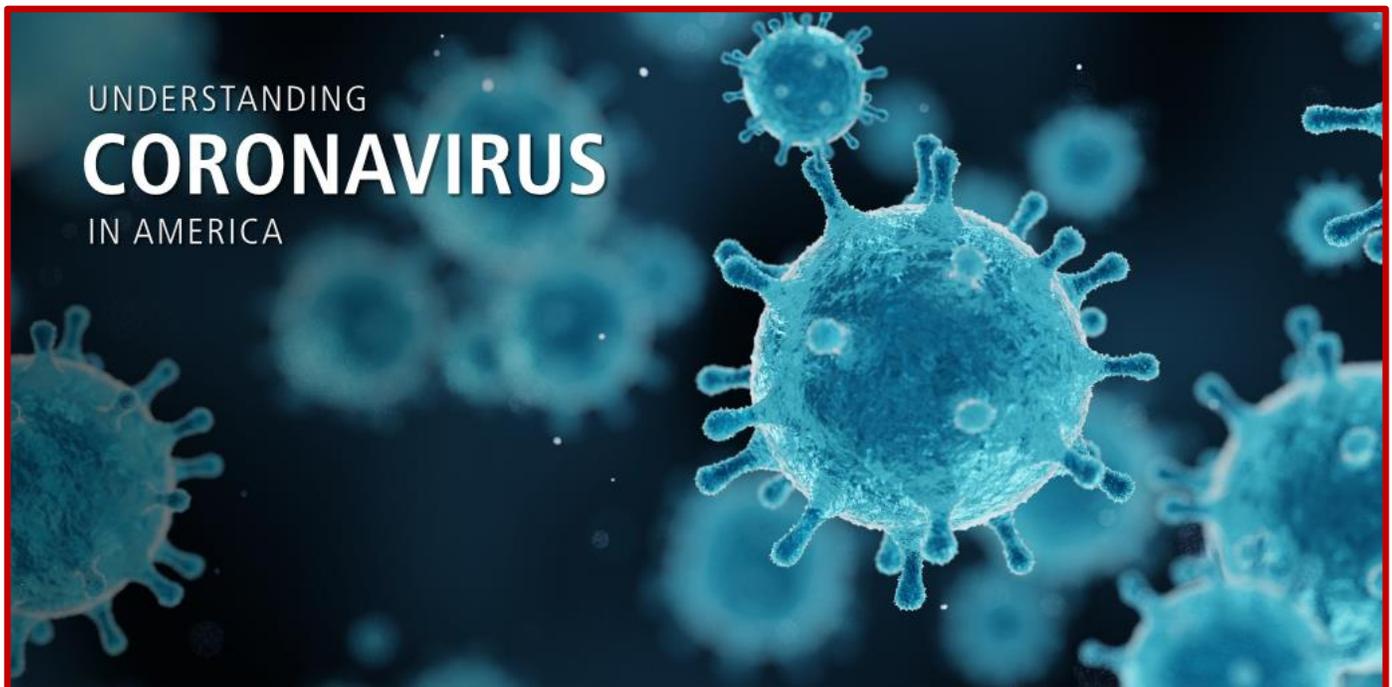


**Center for Economic and Social Research  
Understanding America Study**



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

**UAS 350 – Wave 30  
Sept 23 – Oct 31, 2021**

**Nov 1, 2021 Release**

## 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 30 of the tracking survey, administered from September 23 through October 31, 2021.

## Sample Information

A total of 7,172 adult residents of the U.S. participated in this wave and are included in the final UAS 350 data file. Margin of sampling error for the full sample is +/-1.

A total of 9,736 panel members were eligible to be included in the weighted sample, resulting in a participation rate of 74% for this wave. The sample includes 107 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 wave 30 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](https://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](https://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](https://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.

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](mailto: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

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For questions about this survey, please contact [uas-l@usc.edu](mailto:uas-l@usc.edu)

The USC Dornsife Center for Economic and Social Research is a proud member of the American Association for Public Opinion Research's [Transparency Initiative](#). The survey was funded by the USC Dornsife College of Arts, Letters and Sciences, the Bill & Melinda Gates Foundation, and many other donors.

## Topline Report

**Survey dates** September 23 to October 31, 2021

**Sample size** 7172 Adult U.S. Residents

This report provides the sample characteristics for the UAS 350 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](https://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	41%	48%
Age(18-34)	17%	24%
Age(35-54)	37%	37%
Age(55-64)	20%	18%
Age(65+)	26%	21%
Low education (HS or less)	21%	38%
Medium education (Some College)	36%	27%
High education (College degree)	43%	35%
HH income (\$0-24,999)	19%	23%
HH income (\$25,000-49,999)	21%	21%
HH income (\$50,000-74,999)	19%	19%
HH income (\$75,000 and above)	41%	37%
Non-Hispanic White	67%	62%
Non-Hispanic Black	8%	12%
Non-Hispanic Asian	5%	5%
Non-Hispanic Other	5%	4%
Hispanic/Latino	15%	17%

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

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**

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

	Tested Positive	Tested Negative	Tested Don't Know Result	Not Tested	Obs	MOSE
cr002: Tested for COVID-19	4.3	28.9	0.6	66.1	7034	+/- 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	2.6	2278	+/- 2

**cr080: [if cr079 > 1 time] What were the results?**

	1 I only tested positive (I had the coronavirus)	2 I only tested negative (I did not have the coronavirus)	3 I tested both negative and positive	4 I do not know the results	Obs	MOSE
cr080: test results	3.2	83.6	12.8	0.5	1164	+/- 3

**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	4.1	94.6	1.3	7034	+/- 1
cr005a: experienced cold or flu	9.3	88.5	2.2	7034	+/- 1

**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	9.3	88.5	2.2	7034	+/- 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	2.5	97.5	6688	+/- 1

**health\_insurance: Do you currently have health insurance?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
health_insurance: have health insurance	88.6	10.0	1.5	7032	+/- 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
cr015a: Gone out to a bar, club, or other place where people gather	28.5	70.7	0.9	7019	+/- 1
cr015b: Gone to the grocery store or pharmacy	86.5	12.8	0.6	7022	+/- 1
cr015c: Gone to a friend, neighbor, or relatives residence (that is not your own)	55.5	43.8	0.7	7024	+/- 1
cr015d: Had visitors such as friends, neighbors or relatives at your residence	53.9	45.4	0.8	7024	+/- 1
cr015e: Attended a gathering with more than 10 people, such as a reunion, wedding, funer	36.1	62.9	1.0	7024	+/- 1
cr015f: Sought care from a hospital or health care facility	12.0	87.0	0.9	7026	+/- 1
cr015g: Been placed in isolation or quarantine	2.2	96.7	1.1	7024	+/- 1
cr015h: Remained in your residence at all times, except for essential activities or exer	25.1	73.6	1.4	7023	+/- 1
cr015i: Shared items like towels or utensils with other people	29.4	69.5	1.1	7017	+/- 1
cr015j: Had close contact (within 6 feet) with people who live with you	80.4	18.7	0.9	7025	+/- 1
cr015k: Had close contact (within 6 feet) with people who do not live with you	77.1	21.7	1.1	7027	+/- 1
cr015l: Gone outside to walk, hike, or exercise	77.2	22.0	0.8	7018	+/- 1
cr015m: Attended a political rally, protest, or demonstration	0.7	98.4	0.9	7026	+/- 1
cr015n: Attended an in-person religious service	17.5	81.9	0.6	7021	+/- 1
cr015r: Traveled by airplane	4.9	94.3	0.7	7017	+/- 1
cr015s: Traveled by public transportation (bus, subway, commuter rail, etc.)	7.9	91.3	0.8	7023	+/- 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	14.1	13.0	19.8	15.5	37.4	0.2	2024	+/- 2
cr069b: gone to the grocery store or pharmacy	48.2	10.9	13.4	7.8	19.5	0.2	6174	+/- 1
cr069c: friend, neighbor, or other relatives residence	6.1	6.2	15.4	17.4	54.6	0.3	3859	+/- 2
cr069d: visitors such as friends, neighbors, or relatives at residence	4.9	3.8	13.8	14.9	62.4	0.3	3760	+/- 2
cr069e: attended a gathering with more than 10 people	17.5	11.6	19.1	15.4	36.1	0.3	2623	+/- 2
cr069f: sought care from a hospital or health care facility	79.8	7.0	2.5	7.0	3.0	0.7	831	+/- 3
cr069k: had close contact (within 6 feet) with people who do not live with you	15.0	16.9	23.5	14.0	30.3	0.2	5552	+/- 1
cr069l: gone outside to walk, hike, or exercise	7.9	5.7	11.6	12.6	61.9	0.3	5552	+/- 1
cr069n: attended an in-person religious service	28.7	8.5	14.4	10.1	38.0	0.2	1267	+/- 3
cr069r: traveled by airplane	78.1	5.2	7.4	3.9	4.9	0.5	366	+/- 5
cr069s: traveled by public transportation (bus, subway, commuter rail, etc.)	70.6	8.1	8.2	4.3	8.8	0.0	514	+/- 4

**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	35.0	6973	+/- 1

**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	6.5	6857	+/- 1
cr022a: hospitalized how many family or close friends	1.0	6852	+/- 1
cr022b: died how many family or close friends	0.4	6854	+/- 1
cr022c: received vaccine how many family or close friends	19.9	6848	+/- 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	6852	+/- 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	0.4	6854	+/- 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	19.9	6848	+/- 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	18.9	6994	+/- 1
cr023b: chance hospitalized if get coronavirus	16.5	6992	+/- 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	16.5	6992	+/- 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	13.3	6992	+/- 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	28.8	45.1	21.5	4.6	6986	+/- 1
cr025b: Provide important benefits to society	2.6	5.0	41.6	50.8	6986	+/- 1
cr025c: may lead to illness and death	32.0	42.3	21.3	4.4	6986	+/- 1
cr025d: are useful and effective	2.9	4.7	41.7	50.7	6985	+/- 1

**cr092: [if prefill of cr075 = yes and not previously confirmed] You previously told us that you got vaccinated for the coronavirus. Is this correct?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
cr092: confirmation gotten vaccinated for the coronavirus	99.8	0.1	0.1	4333	+/- 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	73.1	26.1	0.8	6991	+/- 1

**cr093: [if prefill of cr075 = yes and cr081 ~= missing and cr081 ~= unsure and not previously confirmed] You previously told us that you received the [prefill of cr081] vaccine. Is this correct?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
cr093: confirmation type vaccine	99.9	0.1	0.0	4301	+/- 1

**cr081: [if cr075 = yes] Which coronavirus vaccine did you receive?**

	1 Pfizer	2 Moderna	3 Johnson and Johnson	Obs	MOSE
cr081: which vaccine	51.4	40.7	7.8	5425	+/- 1

**cr095: [if cr075 = yes and preload\_cr076 = RESPONSE and not previously confirmed] You previously told us that you had received [preload\_cr076] doses of the coronavirus vaccine. Is this still correct?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
cr095: confirmation gotten number of doses	95.3	4.6	0.1	4320	+/- 1

**cr076: [if cr075=yes] Some coronavirus vaccines require two doses (injections) spaced several weeks apart. How many doses of the coronavirus vaccine have you received?**

	0	1	2	Obs	MOSE
cr076: how many doses received	15.9	83.0	1.1	5451	+/- 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	21.5	39.3	28.5	10.7	6952	+/- 1
cr072b: covid 19 vaccines provide important benefits to society	8.2	14.0	37.5	40.3	6952	+/- 1
cr072c: covid 19 vaccines may lead to illness and death	23.1	35.6	30.5	10.8	6951	+/- 1
cr072d: covid 19 vaccines are useful and effective	8.6	14.4	39.0	38.0	6947	+/- 1

**cr077: [if cr076=1 dose] How likely are you to receive the second dose of the coronavirus vaccine once enough time has passed since your first dose?**

	1 Very unlikely	2 Somewhat unlikely	3 Somewhat likely	4 Very likely	5 Unsure	Obs	MOSE
cr077: how likely receive second dose of coronavirus vaccine	7.4	1.4	4.7	84.1	2.4	407	+/- 5

**cr102: [if fully vaccinated] A booster is an additional vaccine dose for someone who is already fully vaccinated. Have you received a booster shot of the coronavirus vaccine?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
cr102: received booster	6.7	92.5	0.7	5037	+/- 1

**cr104: [if cr102=no] How likely are you to receive a booster shot of the coronavirus vaccine when it becomes available to you?**

	1 Very unlikely	2 Somewhat unlikely	3 Somewhat likely	4 Very likely	5 Unsure	Obs	MOSE
cr104: how likely receive a booster shot when available	12.5	6.8	19.2	54.5	7.0	4651	+/- 1

**md001: Do you currently support or oppose requiring U.S. adults to be fully vaccinated against COVID-19 to do the following activities?**

	Support	Neither support nor oppose	Oppose	Obs	MOSE
md001a: vaccinated travel on an airplane	51.8	23.7	24.5	6983	+/- 1
md001b: vaccinated attend an indoor public event	48.3	24.7	27.0	6983	+/- 1
md001c: vaccinated go to a bar or restaurant	42.8	28.7	28.6	6983	+/- 1
md001d: vaccinated go to a retail store, movie theater, or museum	42.1	29.5	28.4	6982	+/- 1

**md002: For each of the following types of schools, should students who are eligible for the coronavirus vaccine be required to be fully vaccinated to attend school in person? [yes, no, unsure]**

	1	2	3	Obs	MOSE
md002a: vaccinated attend preschool	33.4	44.7	21.9	6977	+/- 1
md002b: vaccinated elementary school	42.6	40.0	17.4	6980	+/- 1
md002c: vaccinated attend middle or high school	53.0	34.3	12.7	6981	+/- 1
md002d: vaccinated attend college	56.9	31.6	11.4	6981	+/- 1

**md003: Do you currently support or oppose requiring the following categories of workers to be fully vaccinated against COVID-19?**

	Support	Neither support nor oppose	Oppose	Obs	MOSE
md003a: vaccinated hospital or other health care workers	58.9	19.2	21.9	6972	+/- 1
md003b: vaccinated workers who interact with the public, such as restaurant or retail wo	52.9	23.3	23.8	6973	+/- 1
md003c: vaccinated members of the military	53.3	23.3	23.4	6971	+/- 1
md003d: vaccinated government workers, such as fire fighters or police officers	54.9	21.7	23.4	6970	+/- 1
md003e: vaccinated teachers and school staff	57.0	20.0	23.1	6975	+/- 1
md003f: vaccinated workers who do not interact with the public, such as office workers	39.0	35.2	25.9	6976	+/- 1
md003g: vaccinated taxi or rideshare (Lyft, Uber, etc.) drivers	51.5	25.0	23.5	6976	+/- 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	72.6	17.2	6.8	3.4	6978	+/- 1

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

	Support	Neither support nor oppose	Oppose	Obs	MOSE
md004a: wear a mask travel on an airplane	65.4	19.4	15.2	6970	+/- 1
md004b: wear a mask attend a large public event, like a concert or sporting event	57.3	24.5	18.2	6972	+/- 1
md004c: wear a mask go to a bar or restaurant	48.8	30.0	21.1	6973	+/- 1
md004d: wear a mask go to a retail store, movie theater, or museum	53.1	26.7	20.2	6973	+/- 1

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

	Support	Neither support nor oppose	Oppose	Obs	MOSE
md005a: wear a mask attend preschool	45.4	28.5	26.0	6970	+/- 1
md005b: wear a mask elementary school	55.0	21.8	23.2	6972	+/- 1
md005c: wear a mask attend middle or high school	59.3	20.3	20.4	6972	+/- 1
md005d: wear a mask attend college	59.6	21.4	19.0	6972	+/- 1

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

	Support	Neither support nor oppose	Oppose	Obs	MOSE
md006a: wear a mask hospital or other health care workers	72.2	16.3	11.5	6969	+/- 1
md006b: wear a mask restaurant or retail workers	63.4	20.8	15.8	6970	+/- 1
md006c: wear a mask members of the military	51.9	29.9	18.2	6968	+/- 1
md006d: wear a mask government workers, such as fire fighters or police officers	56.5	26.0	17.5	6970	+/- 1
md006e: wear a mask teachers and school staff	63.5	19.8	16.7	6971	+/- 1
md006f: wear a mask workers who do not interact with the public, such as office workers	45.5	34.6	19.9	6973	+/- 1
md006g: wear a mask taxi or rideshare (Lyft, Uber, etc.) drivers	61.2	22.2	16.6	6973	+/- 1

**md007: In your community, how often are people required to wear a mask to do the following activities:**

	Always	Sometimes	Rarely	Never	Unsure	Obs	MOSE
md007a: required wear a mask travel on an airplane	68.6	5.5	2.8	4.0	19.0	6968	+/- 1
md007b: required wear a mask attend a large public event, like a concert or sporting eve	27.9	27.8	16.3	12.6	15.3	6970	+/- 1
md007c: required wear a mask go to a bar or restaurant	21.6	26.5	22.0	19.2	10.6	6969	+/- 1
md007d: required wear a mask go to a retail store, movie theater, or museum	26.3	27.3	20.5	16.5	9.4	6970	+/- 1

**md008: Governments and other organizations may require people to be fully vaccinated before they can participate in various activities. For each activity below, would a requirement to be fully vaccinated increase your chance of becoming vaccinated yourself?**

	Yes	No	Unsure	Obs	MOSE
md008a: if required get vaccinated travel on an airplane	24.1	60.1	15.8	1944	+/- 2
md008b: if required get vaccinated attend large public events	21.9	63.7	14.4	1943	+/- 2
md008c: if required get vaccinated go to a retail store, movie theater, or museum	21.6	62.7	15.7	1943	+/- 2
md008d: if required get vaccinated go to a bar or restaurant	21.2	64.1	14.7	1945	+/- 2
md008e: if required get vaccinated work in your current job	25.0	59.0	16.1	1945	+/- 2
md008f: if required get vaccinated attend college	20.5	64.7	14.8	1946	+/- 2
md008g: if required get vaccinated attend an event at child's school	22.9	59.1	17.9	1945	+/- 2

**md010: Does the FDA approval of coronavirus vaccines make it more likely or less likely that you will become fully vaccinated?**

	1 Much more likely	2 Somewhat more likely	3 No difference	4 Somewhat less likely	5 Much less likely	6 Unsure	Obs	MOSE
md010: FDA approval change likelihood of becoming fully vaccinated	12.9	10.1	51.8	2.0	13.1	10.2	1946	+/- 2

**md009: Governments and other organizations may require people to wear a mask in order to participate in various activities. For each activity below, would you wear a mask if you were required to in order to participate?**

	Yes, regardless of whether I was required	Yes, only if I was required	No	Unsure	Not applicable	Obs	MOSE
md009a: if required wear mask travel on an airplane	59.5	27.5	7.3	3.7	1.9	6957	+/- 1
md009b: if required wear mask attend large public events	49.5	30.7	13.3	4.6	1.9	6956	+/- 1
md009c: if required wear mask go to a retail store, movie theater, or museum	47.2	35.2	12.7	4.3	0.6	6961	+/- 1
md009d: if required wear mask go to a bar or restaurant	41.6	36.6	15.7	4.3	1.8	6956	+/- 1
md009e: if required wear mask work in your current job	36.9	33.3	12.0	4.1	13.7	6961	+/- 1
md009f: if required wear mask attend college	40.9	28.3	13.2	4.1	13.6	6962	+/- 1
md009g: if required wear mask attend an event at child school	44.7	30.3	10.3	3.5	11.1	6962	+/- 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	19.9	37.1	25.4	17.5	6957	+/- 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	18.1	31.7	23.7	26.5	6955	+/- 1

**cr105: Booster shots are additional vaccine doses for people who are already fully vaccinated. How much do you trust that COVID-19 booster shots are safe for the public?**

	Fully trust	Mostly trust	Somewhat trust	Do not trust	Obs	MOSE
cr105: trust in covid-19 booster shots	21.6	30.6	24.3	23.5	6955	+/- 1

**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	41.4	6956	+/- 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	27.6	6955	+/- 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	20.7	39.2	24.3	15.8	6957	+/- 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	18.7	33.9	23.5	23.8	6956	+/- 1

**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	68.2	22.2	5.0	4.7	6953	+/- 1
cr027b: how often Not being able to stop or control worrying	74.7	16.8	4.3	4.1	6953	+/- 1
cr027c: how often Feeling down, depressed, or hopeless	73.1	18.3	4.5	4.1	6952	+/- 1
cr027d: how often Little interest or pleasure in doing things	73.9	17.9	3.8	4.4	6954	+/- 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	2.3	10.7	27.6	45.8	13.6	6959	+/- 1
cr053b: I have a hard time making it through stressful events	19.1	40.6	23.5	13.8	3.0	6958	+/- 1
cr053c: It does not take me long to recover from a stressful event	4.3	15.2	27.2	42.3	11.1	6956	+/- 1
cr053d: It is hard for me to snap back when something bad happens	19.2	41.8	23.0	13.3	2.7	6960	+/- 1
cr053e: I usually come through difficult times with little trouble	3.1	13.0	30.2	43.5	10.2	6960	+/- 1
cr053f: I tend to take a long time to get over set-backs in my life	18.8	41.2	25.0	12.2	2.9	6957	+/- 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	88.0	12.0	6958	+/- 1
cr054s2: Cancer (other than skin cancer)	94.5	5.5	6958	+/- 1
cr054s3: Heart disease	93.3	6.7	6958	+/- 1
cr054s4: High blood pressure	68.8	31.2	6958	+/- 1
cr054s5: Asthma	88.0	12.0	6958	+/- 1
cr054s6: Chronic lung disease such as COPD or emphysema	95.8	4.2	6958	+/- 1
cr054s7: Kidney disease	97.4	2.6	6958	+/- 1
cr054s8: Autoimmune disorder such as rheumatoid arthritis or Crohns Disease	94.5	5.5	6958	+/- 1
cr054s9: A mental health condition	88.0	12.0	6958	+/- 1
cr054s10: Obesity	83.8	16.2	6958	+/- 1
cr054s11: None of the above	57.1	42.9	6958	+/- 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	18.2	78.5	3.3	6950	+/- 1
cr056b: Attention deficit hyperactivity disorder (ADHD)	5.3	92.3	2.4	6952	+/- 1
cr056c: Bipolar disorder	3.7	93.9	2.4	6950	+/- 1
cr056d: An eating disorder	2.2	95.7	2.1	6953	+/- 1
cr056e: Depression or another depressive disorder	20.6	76.7	2.7	6953	+/- 1
cr056f: Obsessive-compulsive disorder (OCD)	3.5	93.5	3.0	6955	+/- 1
cr056g: Post-traumatic stress disorder (PTSD)	7.2	90.0	2.8	6949	+/- 1
cr056h: Schizophrenia or another psychotic disorder	1.3	96.9	1.9	6950	+/- 1
cr056i: other mental issue	2.4	91.1	6.5	6814	+/- 1

**cr055: [if preloads are empty] [for each**

	1 Before March 10, 2020	2 After March 10, 2020	3 Unsure	Obs	MOSE
cr055a: diabetes	96.1	1.5	2.4	840	+/- 3
cr055b: cancer (other than skin cancer)	92.4	4.2	3.5	472	+/- 5
cr055c: heart disease	95.2	3.1	1.6	465	+/- 5
cr055d: high blood pressure	96.5	2.2	1.4	2229	+/- 2
cr055e: asthma	97.3	1.6	1.1	800	+/- 3
cr055f: chronic lung disease such as COPD or emphysema	97.0	1.0	2.1	271	+/- 6
cr055g: kidney disease	90.0	4.8	5.2	186	+/- 7
cr055h: an autoimmune disorder such as rheumatoid arthritis or Crohns disease	94.2	3.2	2.6	428	+/- 5
cr055i: a mental health condition	95.4	3.0	1.6	833	+/- 3
cr055j: obesity	97.0	1.8	1.2	1238	+/- 3

**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	94.1	3.5	2.5	1197	+/- 3
cr057b: since when attention deficit hyperactivity disorder (ADHD)	92.4	5.1	2.5	314	+/- 6
cr057c: since when bipolar disorder	94.3	3.9	1.8	200	+/- 7
cr057d: since when an eating disorder	86.8	5.3	7.9	149	+/- 8
cr057e: since when depression or another depressive disorder	95.5	2.2	2.3	1483	+/- 3
cr057f: since when obsessive-compulsive disorder (OCD)	90.8	3.4	5.9	217	+/- 7
cr057g: since when post-traumatic stress disorder (PTSD)	91.1	3.9	5.0	496	+/- 4
cr057i: since when other mental issue	84.3	5.1	10.6	194	+/- 7

**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	2.8	3.7	90.7	2.8	6957	+/- 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	48.7	51.3	6961	+/- 1
cr061s2: Man	52.1	47.9	6961	+/- 1
cr061s3: Trans woman	99.9	0.1	6961	+/- 1
cr061s4: Trans man	99.8	0.2	6961	+/- 1
cr061s5: Non-binary, gender-nonconforming, or genderqueer	99.4	0.6	6961	+/- 1
cr061s6: Some other description (please specify): cr061_other	99.6	0.4	6961	+/- 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	89.4	1.5	0.4	0.6	5.3	2.2	0.6	3526	+/- 2

**Ir003cc: [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
Ir003cc: job status after retired	97.6	0.9	0.3	1.3	1523	+/- 3

**Ir003dd: [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
Ir003dd: job status after not in labor force	68.0	1.1	6.2	4.0	20.7	480	+/- 4

**Ir003ee: 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
Ir003ee: job status unknown labor force status	59.3	1.7	0.6	7.8	17.7	7.4	5.5	668	+/- 4

**Ir005: [IF Ir004 = 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)	Ir005_other	Obs	MOSE
Ir005: self employed or work for employer	10.2	88.9		0.9	3934	+/- 2

**Ir006: [IF Ir004 = 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
Ir006: how many day work past seven days	3.3	1.9	2.7	5.5	10.8	61.0	8.8	6.0	3933	+/- 2

**Ir008: [IF Ir004 = 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
Ir008: home many hours work for pay past 7 days	37.5	3922	+/- 2

**Ir007: [IF Ir004 = 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
Ir007: how many day work from home past seven days	66.9	4.8	2.8	3.8	3.5	13.5	1.1	3.6	3933	+/- 2

**Ib004: [if Ir007=0] Consider your current job. Are you able to do that job from home at least partially?**

	1 Yes	2 No	Obs	MOSE
Ib004: able to work from home	24.6	75.4	2473	+/- 2

**Ib005: [If Ir007 > 0 OR Ib005 = 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
Ib005: how often like to work from home	42.9	6.4	14.1	14.1	8.6	4.7	9.2	2160	+/- 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	30.4	4.0	7.2	9.4	3.8	7.2	24.0	14.1	1823	+/- 2

**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	9.6	45.6	18.8	1.6	2.8	21.6	3932	+/- 2

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

	Mean	Obs	MOSE
lr011: amount most recent paycheck	2370.0	3825	+/- 2

**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	9009.7	460	+/- 5

**lr015: [IF lr004 = 1] The coronavirus may cause economic challenges for some people regardless of whether they are actually infected. What is the percent chance that you will lose your job because of the coronavirus within the next three months?**

	Mean	Obs	MOSE
lr015: percent chance you lose your job	9.6	3926	+/- 2

**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	7	8	9	10	Obs	MOSE
lr026: currently interaction within six feet	20.8	8.3	6.9	9.6	14.6	39.8	0.0	0.0		0.0	3929	+/- 2
lr026c_2: how flexible work schedule to accommodate children school and aftercare hours	10.8	3.1	5.2	3.9	9.3	5.6	10.9	10.3	7.2	33.7	1281	+/- 3
lr026c_3: how flexible work schedule to accommodate possible school closures due to COVID	9.8	4.7	4.7	3.4	11.5	6.1	9.2	11.2	6.8	32.6	1281	+/- 3

**7. Economic Insecurity**

**ei001: The coronavirus may cause economic challenges for some people regardless of whether they are actually infected. What is the percent chance you will run out of money because of the coronavirus in the next three months?**

	Mean	Obs	MOSE
ei001: chance run out of money	13.9	6944	+/- 1

**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	6.7	90.6	2.7	6951	+/- 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	7.2	90.7	2.1	6951	+/- 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	3.1	94.9	2.0	6952	+/- 1

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

	1 Yes	2 No	Obs	MOSE
ei011: do you have a mortgage	37.3	62.7	6947	+/- 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	11.4	88.6	2787	+/- 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	3.8	96.2	2788	+/- 2

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

	1 Yes	2 No	Obs	MOSE
ei014: rent primary residence	30.2	69.8	6949	+/- 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	9.5	90.5	1986	+/- 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	10.1	89.9	1985	+/- 2

**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	0.3	0.4	0.5	48.3	50.5	6949	+/- 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	7.9	3362	+/- 2
ei031_nas1: Does not apply to my housing situation	1.0	3559	+/- 2

## 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	2.7	8.8	52.6	35.9	6942	+/- 1

## 9. Entrepreneurship

**en001: Did any of the following descriptions apply to you in February 2020?**

	Yes	No	Unsure	Obs	MOSE
en001a: I was a business owner	6.7	91.8	1.5	6937	+/- 1
en001b: I was self-employed	10.4	87.9	1.7	6937	+/- 1
en001c: I was an entrepreneur who employed at least one other person	2.4	96.5	1.2	6937	+/- 1

**en003: [if en001a=yes or en001b=yes or en001c=yes] What were the total monthly receipts or income of your business or entrepreneurial activity in February 2020? If you're not sure, just give your best guess.**

	Mean	Obs	MOSE
en003: February 2020 total monthly receipts or income	8496.5	879	+/- 3

**en004: [if en001a=yes or en001b=yes or en001c=yes] How many full-time employees other than yourself did you have in February 2020? Only count people who worked on your payroll for at least 30 hours per week for at least one week.**

	Mean	Obs	MOSE
en004: February 2020 number of full-time employees	41.4	909	+/- 3

**en005: [if en001a=yes or en001b=yes or en001c=yes] How many part-time employees other than yourself did you have in February 2020? Only count people who worked on your payroll for less than 30 hours per week for at least one week.**

	Mean	Obs	MOSE
en005: February 2020 number of part-time employees	106.3	909	+/- 3

**en006: [if en001a = 1 OR en001b = 1 OR en001c = 1] Which tools did you use to operate your business or entrepreneurial activities online in February 2020? Please mark all that apply.**

	Yes	No	Unsure	Obs	MOSE
en006a: February 2020 Zoom	23.7	74.4	1.9	913	+/- 3
en006b: February 2020 Google Hangouts	5.3	93.3	1.3	916	+/- 3
en006c: February 2020 Google Duo	3.8	94.0	2.2	914	+/- 3
en006d: February 2020 Skype	6.0	92.7	1.3	912	+/- 3
en006e: February 2020 Website(s)	43.4	55.7	0.9	915	+/- 3
en006f: February 2020 Email	73.1	26.1	0.8	915	+/- 3
en006g: February 2020 Phone	83.0	16.3	0.6	916	+/- 3
en006h: February 2020 Text messaging	71.3	28.0	0.7	916	+/- 3
en006i: February 2020 Other tool	10.4	81.4	8.1	893	+/- 3

**en007: [if en001a = 1 OR en001b = 1 OR en001c = 1] Do any of the following descriptions apply to you now?**

	Yes	No	Unsure	Obs	MOSE
en007a: I am a business owner	6.9	91.6	1.5	6941	+/- 1
en007b: I am self-employed	9.4	88.8	1.8	6943	+/- 1
en007c: I am an entrepreneur who employed at least one other person	2.4	96.5	1.1	6940	+/- 1

**en008: [if en007a in [2,3] OR en007b in [2,3] OR en007c in [2,3]] Do any of the following descriptions apply to you now?**

	Yes	No	Unsure	Obs	MOSE
en008a: I am interested in becoming a business owner	15.3	79.3	5.4	6392	+/- 1
en008b: I am interested in becoming self-employed	19.2	75.1	5.7	6185	+/- 1
en008c: I am interested in becoming an entrepreneur who employs at least one other perso	14.0	80.5	5.6	6768	+/- 1

**en009: [if en007a=yes or en007b=yes or en007c=yes] How much are the expected total receipts or income of your business or entrepreneurial activity in May 2020?**

	Mean	Obs	MOSE
en009: expected total monthly receipts or income	10406.5	842	+/- 3

**en010: [if en007a=yes or en007b=yes or en007c=yes] How many full-time employees other than yourself do you have currently? Only count people who worked or intend to work on your payroll for at least 30 hours per week for at least one week.**

	Mean	Obs	MOSE
en010: currently number of full-time employees	13.1	867	+/- 3

**en011: [if en007a=yes or en007b=yes or en007c=yes] How many part-time employees other than yourself do you have currently? Only count people who worked or intend to work on your payroll for less than 30 hours per week for at least one week.**

	Mean	Obs	MOSE
en011: currently number of part-time employees	1.7	867	+/- 3

**en012: [if en007a = 1 OR en007b = 1 OR en007c = 1] Which tools do you currently use to operate your business or entrepreneurial activities online? Please mark all that apply.**

	Yes	No	Unsure	Obs	MOSE
en012a: currently Zoom	27.1	71.2	1.7	873	+/- 3
en012b: currently Google Hangouts	5.9	92.0	2.1	871	+/- 3
en012c: currently Google Duo	4.7	93.1	2.2	872	+/- 3
en012d: currently Skype	6.8	91.2	1.9	871	+/- 3
en012e: currently Website(s)	47.3	51.6	1.1	873	+/- 3
en012f: currently Email	77.3	21.5	1.2	873	+/- 3
en012g: currently Phone	83.8	15.4	0.8	873	+/- 3
en012h: currently text messaging	73.5	25.0	1.4	873	+/- 3
en012i: currently other tool	12.4	78.8	8.8	865	+/- 3

**en013: [if en007a=yes or en007b=yes or en007c=yes] Do you currently have any cash reserves?**

	1 Yes	2 No	3 Unsure	4	5	Obs	MOSE
en013: have any cash reserves	54.7	40.1	5.1	0.0	0.0	876	+/- 3
en013a: how long cash reserves will allow to continue	22.7	24.5	7.1	34.7	11.0	544	+/- 4

**en013a: [if en013=yes] How long will your current cash reserves allow you to continue your business or entrepreneurial activity?**

	1 Less than 3 months	2 3-6 months	3 7-12 months	4 More than 12 months	5 Unsure	Obs	MOSE
en013a: how long cash reserves will allow to continue	22.7	24.5	7.1	34.7	11.0	544	+/- 4

**en014: [if en007a = 1 OR en007b = 1 OR en007c = 1] Have you used any of the following financing strategies since February 2020?**

	Yes	No	Unsure	Obs	MOSE
en014a: I have borrowed from private lenders	9.2	90.0	0.9	876	+/- 3
en014b: I have borrowed from government or stimulus programs	11.0	87.5	1.5	875	+/- 3
en014c: I have received grants from private individuals	1.9	97.3	0.8	876	+/- 3
en014d: I have received grants from the government or stimulus programs	15.9	82.9	1.2	875	+/- 3
en014e: other financing strategy	2.3	92.2	5.5	871	+/- 3

**en015: [if en007a=yes or en007b=yes or en007c=yes] Has the coronavirus epidemic had a positive impact, a negative impact, or no impact on the finances of your business or entrepreneurial activity?**

	1 A positive impact	2 A negative impact	3 No impact	4 Unsure	Obs	MOSE
en015: corona impact on finances	13.7	39.5	34.3	12.5	876	+/- 3

**en016: [if en007a=yes or en007b=yes or en007c=yes] Has the coronavirus epidemic led you to accelerate, delay, or not change the expansion of your business or entrepreneurial activity?**

	1 Delay	2 Accelerate	3 Neither delay nor accelerate	4 Unsure	Obs	MOSE
en016: corona led to change expansion	25.8	9.3	52.0	12.9	875	+/- 3

**en017: [if en007a=yes or en007b=yes or en007c=yes] Has the coronavirus epidemic interfered with your normal business operations?**

	1 Yes	2 No	3 Unsure	4	5	Obs	MOSE
en017: corona interfered with normal business operations	45.5	43.7	10.8	0.0	0.0	876	+/- 3
en017a: how long to return to February 2020 income	22.5	15.5	15.3	18.6	28.1	420	+/- 5

**en017a: [if en017=yes] Once your business operations return to normal, how long will it take for your business or entrepreneurial activity to return to its level of monthly receipts or income in February 2020?**

	1 Less than 3 months	2 3-6 months	3 7-12 months	4 More than 12 months	5 Unsure	Obs	MOSE
en017a: how long to return to February 2020 income	22.5	15.5	15.3	18.6	28.1	420	+/- 5

**en018: [if en007a=yes or en007b=yes or en007c=yes] Have you responded to the coronavirus epidemic by creating any new businesses or entrepreneurial activities?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en018: corona created new businesses	13.2	78.1	8.7	876	+/- 3
en018a: corona food or other essential when created new businesses	9.4	90.4	0.2	127	+/- 9
en018b: corona medical services when created new businesses	3.5	96.3	0.2	127	+/- 9
en018c: corona mental health when created new businesses	9.5	90.2	0.3	127	+/- 9

**en018a: [if en018=yes] Do any of these businesses or activities deliver food or other essential products to people who are self-isolating or sheltering at home?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en018a: corona food or other essential when created new businesses	9.4	90.4	0.2	127	+/- 9

**en018b: [if en019=yes] Do any of these businesses or activities provide medical services to people who are self-isolating or sheltering at home?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en018b: corona medical services when created new businesses	3.5	96.3	0.2	127	+/- 9

**en018c: [if en019=yes] Do any of these businesses or activities provide mental health counseling to people who are self-isolating or sheltering at home?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en018c: corona mental health when created new businesses	9.5	90.2	0.3	127	+/- 9

**en019: [if en007a=yes or en007b=yes or en007c=yes] Have you moved any of your business or entrepreneurial activities online in response to the coronavirus epidemic?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en019: moved business activities online	12.5	79.3	8.2	876	+/- 3

**en020: [if en007a=yes or en007b=yes or en007c=yes] What is the percent chance your current business or entrepreneurial activity will still exist in two years?**

	Mean	Obs	MOSE
en020: chance current business or entrepreneurial activity will still exist in two year	64.4	872	+/- 3

**en021: [if they had a business or entrepreneurial activity in February 2020 and also now] Compared to its size in February 2020, do you think your current business or entrepreneurial activity will be larger or smaller in two years? [randomize order of first three]**

	1 It will be larger	2 It will be around the same size	3 It will be smaller	4 Unsure	Obs	MOSE
en021: current business or entrepreneurial activity larger or smaller	26.7	44.4	11.4	17.4	752	+/- 4

**en022: [if en008a=yes or en008b=yes or en008c=yes] Has the coronavirus epidemic made it more or less likely that you will start a new business or entrepreneurial activity in the next 12 months?**

	1 Much more likely	2 Somewhat more likely	3 About the same	4 Somewhat less likely	5 Much less likely	6 Unsure	Obs	MOSE
en022: corona how likely new business in next 12 months	8.7	15.8	36.1	9.1	17.0	13.4	1333	+/- 3

**en023: [if en008a=yes or en008b=yes or en008c=yes] Do you plan to start a new business or entrepreneurial activity in the next 12 months?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en023: plan to start new business in next 12 months	18.5	43.9	37.5	1332	+/- 3

**en024: [if en008a=yes or en008b=yes or en008c=yes] Have you already begun the process of starting a new business or entrepreneurial activity?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en024: begun process of starting new business	14.5	78.2	7.3	1333	+/- 3
en024a: Conduct market research	71.7	27.0	1.4	203	+/- 7
en024b: Define the business model	62.7	34.0	3.3	203	+/- 7
en024c: Seek financing	17.3	79.1	3.6	203	+/- 7
en024d: Pick a business location	39.7	56.9	3.4	203	+/- 7
en024e: Select distribution channels	34.9	61.1	4.0	202	+/- 7
en024f: Choose a business name	71.1	27.6	1.3	203	+/- 7
en024g: Register the business	28.8	69.2	1.9	203	+/- 7
en024h: Get Federal and state tax IDs	28.3	70.7	1.1	202	+/- 7
en024i: Apply for licenses and permits	21.2	78.3	0.5	203	+/- 7
en024j: Open a business bank account	20.4	79.0	0.6	203	+/- 7
en024k: other step taken to starting new business	15.8	77.0	7.3	202	+/- 7

**en024a: [if en024 = 1] Which of the following steps have you taken toward starting a new business or entrepreneurial activity?**

	Yes	No	Unsure	Obs	MOSE
en024a: Conduct market research	71.7	27.0	1.4	203	+/- 7

**en025: [if en001a=yes or en001b=yes or en001c=yes] In February 2020, did you use gig economy workers to support your business or entrepreneurial activity?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en025: February 2020 use gig economy workers to support business or entrepreneurial act	8.6	83.8	7.6	917	+/- 3

**en026: [if en007a=yes or en007b=yes or en007c=yes] Do you currently use gig economy workers to support your business or entrepreneurial activity?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en026: currently use gig economy workers to support business or entrepreneurial activit	9.0	83.7	7.3	876	+/- 3

**en027: [if en007a=yes or en007b=yes or en007c=yes] Do you think you will use gig economy workers to support your business or entrepreneurial activity in the next 12 months?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en027: expected use gig economy workers to support business or entrepreneurial activity	11.5	74.8	13.7	876	+/- 3

**en028: Did you personally take on gig economy tasks in February 2020?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en028: February 2020 personally take on gig economy tasks	3.4	91.3	5.3	6945	+/- 1

**en029: Are you currently doing any gig economy tasks?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en029: currently personally take on gig economy tasks	3.3	92.1	4.6	6944	+/- 1

**en030: Do you think you will take on gig economy tasks in the next 12 months?**

	1 Yes	2 No	3 Unsure	Obs	MOSE
en030: expected personally take on gig economy tasks	4.9	81.9	13.2	6945	+/- 1

## 10. K-12 Education

Note: Topline results for education questions included in UAS350 are not included in this report. A contemporaneous report based on many of the same questions is available through the [Understanding America Study Education Project's](#) survey [UAS414](#), along with crosstabs and a list of publications associated with the survey.