



California Work and Health Survey 2022 Technical Documentation

Overview

Sampling Methodology

Weighting Strategy

Questionnaire Sections, Usage Notes, and Instruments

Acknowledgements

Citations

Appendix 1: Recruitment Flowchart

Overview

The California Work and Health Survey is a population-based survey of 4,014 California residents, aged 18-70, conducted between November 2022 and May 2023. It was developed as part of the [California Labor Lab](#), a NIOSH Center of Excellence for *Total Worker Health*®

The survey was conducted by telephone interview or self-completed by participants using a web-based application. All survey administration was handled by Davis Research, LLP. Median completion time was 41 minutes for telephone and 24 for web-based surveys. Regardless of the method of completion, participants received a \$10 gift card in appreciation of their time and effort.

As its name implies, the purpose of the survey was to capture information about the employment and health status of California adults. There are three major sections of the questionnaire, [described in more detail below](#). The first – and longest – section focuses on employment. One special feature of the survey is the collection of information on jobs not worked at in the past week but were worked at in the past month. The rationale is that alternative and contingent forms of employment may be episodic and less likely to be captured in data collection solely about the week prior to interview. The survey includes

detailed questions about employment status and, among those working, work arrangements, working conditions, and occupation and industry of the job. Participants are asked about the main job that they held in the past week, defined as the one with the most hours, as well as a second job worked in the past week. Participants who were not working in the past week were asked the same series of questions about a main job that they held in the past month, if any. Participants who were not currently employed were asked when they had last worked. Currently employed respondents were also asked about their longest job held.

The health section includes questions about overall physical and mental health status, along with questions concerning chronic illness diagnoses, functional limitations, pain and other symptoms, perceived stress, occupational injury, height, weight, health behaviors, and health insurance coverage.

The final section includes basic demographic information, including household composition, paid and unpaid caregiving for household/family members, household income and individual earnings, benefit recipiency, and financial strain.

After data collection was completed, sampling weights were developed so that the responses are generalizable to the non-institutionalized California population, aged 18-70. More details on the weighting process are available below.

Sampling Methodology

Sampling Frame

Because approximately 98% of all adults in the target population (Californians 18-70) have a cell phone, only cell phone numbers were used for this project. Random samples of cell phone telephone numbers were purchased from a supplier of telephone samples, using a split frame methodology. The listings included both a pure random digit dial (RDD) sample of cell phone numbers with California area codes and a set of listed cellular numbers of people currently living in the state, regardless of area code. Split frames provide the best chance to include a probability selection for nearly every cellular telephone in California, since so many residents have an area code that was generated outside of the State of California and would be otherwise excluded from the sample frame. To ensure a wide range of income strata in the sample, the listings included phone numbers on both pre-paid and post-paid plans.

This sampling methodology of individuals (via cell phones) negated the need for respondent selection procedures when multiple household members share a landline. It also simplified the post-survey statistical weighting process, [described below](#).

Participation Rates

From 134,725 call attempts, we made 15,164 contacts with potential participants. A total of 9,024 individuals declined to participate or did not complete the interview. A further 2,126 were ineligible due to age, language (neither Spanish nor English), or residence outside of California. A total of 4,014 responded to the survey (26% of contacts made; 31% of contacts after excluding the 2,126 known to be ineligible). A detailed flow chart is included in [Appendix 1](#).

Data Collection Methods

The survey was administered in English and Spanish either by telephone from Davis's computer-assisted telephone interviewing (CATI) call center in Calabasas or by completing an on-line version. Up to eight call attempts were made to reach and interview an eligible subject at each usable telephone listing. Callbacks were made throughout the day and evening hours seven days a week, excluding holidays. Additional call attempts were made to respondents who were found to be eligible for the survey but who did not complete the survey immediately after being administered the survey screening. Those who could not be re-contacted after repeated attempts were then sent email and text message invitations encouraging them to complete the survey online. Because of the length of the survey, many respondents were screened initially over the telephone and then offered the option to finish the study online; they were sent a text or e-mail with directions to finish. If they did not complete the survey online, they received additional telephone calls. Most respondents who began the survey (70%) ultimately completed it.

Screening questions were administered at the beginning of the survey to identify eligible respondents ages 18 to 70 within California. Once identified, eligible respondents were provided with a broad description of the study, its objectives, sponsorship, and auspices. To encourage participation, respondents were offered an incentive of \$10 sent via check or e-gift card from a national retailer.

Weighting Strategy

Sample adjustment weights were developed to bring the survey sample into alignment with known characteristics of the population of California adults ages 18-70, using a common procedure known as raking, also referred to as sample balancing. Raking is an iterative process in which survey estimates are controlled to their marginal population distributions.¹ The raking process can be thought of as a multidimensional poststratification procedure because the weights are post-stratified to one set (or dimension) of control totals, and these adjusted weights are post-stratified to another dimension. This process is then iterated until the control totals for all dimensions are simultaneously satisfied, resulting in the production of a final single weighting assignment for each respondent.

The population estimates of demographic variables (age, sex, and race/ethnicity), geographic variables (counties or combinations of counties), and socio-economic variables (educational attainment and employment status) of the population of California adults ages 18-70 were derived from the U.S. Census Bureau's 2021 American Community Survey (ACS) and from the Bureau of Labor Statistics.

The specific variables used in creating the weighting targets (either alone or in combination with one another) included: geographic region, gender, age, race and ethnicity, educational attainment, Supplemental Nutrition Assistance Program (SNAP) benefit recipiency, labor force participation, and having a pre-paid cellphone plan.

The sample weights [weight] are proportional to the total sample size. These weights range from 0.08 to 6.0 and sum to 4,014. The datafile also includes an expansion weight [weight_pop], which sums to the 2022 California population aged 18-70. These weights range from 534 – 40106 and sum to 26,831,016. Both weights yield the same percentage of the population for any given characteristic. The sample weight is more useful in calculating statistical significance since it is scaled to the actual sample size of 4,014; the expansion weight permits estimates of how many individuals in the State have a characteristic.

Questionnaire Sections, Usage Notes, and Instruments

The questionnaire began with a screening section, designed to ascertain eligibility for the survey (California residence and age 18-70). The verbal consent to participate was also included at this point in the survey, and gender ascertained to facilitate future skip patterns.

Throughout the questionnaire, variables were coded with -9 to indicate non-response (decline to answer for any reason). Prior to any analyses, users should drop, recode, or impute these values. A missing value in the survey indicates that the respondent was not part of the universe for this question, i.e. that the item was logically skipped in the questionnaire, such as employment questions for those not working.

The sections of the main questionnaire, and any relevant usage notes, are enumerated below:

Employment Section (Q001–163)

The initial questions (Q001–017) determined employment status in the past 7 days, following the methodology of the Current Population Survey administered by the U.S. Bureau of the Census for the Bureau of Labor Statistics.² This part of the questionnaire also provided information about extent of work in the past year, and when last worked.

Questions Q018 – Q058 constituted the “Job Battery.” These items contained detail about respondents’ current jobs, including occupation and industry; employment arrangements³ including self-employment, independent contracting, on-call employment, working for a temporary hiring agency, and having one’s work contracted out; contingent employment defined as work not expected to continue; and working conditions such as the physical and psychosocial demands⁴ of jobs, supervisory and subordinate status, nature of shift, and flexibility of work.

Currently employed participants were asked about the job that they worked at most in the past 7 days. Those not working in the past 7 days were asked the same series of questions about the job that they worked at in the past 30 days. Participants with more than 1 job (in the past 7 or 30 days) were asked the same basic series of questions about a second job. To reduce respondent burden, fewer questions were asked about a second job in the past week. As a reference –

Q018 - Q058 refer to the job worked (the most hours) in the past 7 days.

Q059 - Q099 refer to the 2nd job worked in the past 7 days.

Q102- Q142 refer to the job worked in the past 30 days (but not the past 7 days).

Occupation and Industry coding. Occupation and Industry data were collected as text responses in the job battery sections above. The NIOSH Occupational Computerized Coding System (NIOCCS)⁵ was used to apply SOC and NAICS codes to the responses. NIOCCS provides a reliability score along with each code. Any response with a reliability <0.8 was manually coded by investigators and staff of the CA Labor Lab, with a secondary review if questions still remained. The codes were applied at the most detailed level possible from the response (up to 6-digits), but at times the responses could not be categorized beyond a 2- or 3-digit code. For all coded responses, a 2-digit and 3-digit level code was created in order to provide increased sample size in each category. Note that the top-level of some NAICS industry codes actually comprise several 2-digit codes (manufacturing [31-33], retail trade [44-45], transportation & warehousing [48-49]). For the 2-digit codes, only the first numbers in each series were used.

ABC Criteria (Q033a-c). The “ABC” criteria are used in California courts to determine appropriate classification as an independent contractor.⁶ As part of the project, we developed measures of the ABC

criteria for inclusion in this self-reported survey. These items were asked of people who identified themselves as independent contractors, as app-based workers, and/or those who stated that they received a 1099 tax form.

Note that Q033b is also a text response, asking for the industry of the company. The intent is to compare the industry identified initially by the respondent with this industry. As of this writing, that comparison has not been made; we have simply provided the codes corresponding to the text response, using the same method as above.

Following the Job Batteries, respondents were asked about displacement from work in the past 3 years, longest job held (occupation, industry, and job tenure), and experience of discrimination at work by category, including gender, sexual orientation, race/ethnicity, age, and disability status.

Main and Second Jobs. As described above, respondents answered questions about one or two jobs held in the past week, one job in the past week and one in the past month, or a single job held in the past month (if they did not work in the past week). The flow of the questionnaire resulted in three different sets of "job battery" questions – the first 7-day job, the second 7-day job, and the 30-day job. The 30-day job could either be the only job described, or it could be the second job described, depending on the individual respondent's situation. To allow for another way of analyzing these jobs, an alternate set of job battery variables is included in the datafile, referred to as 'main' and 'second' jobs. The main job variables (with suffix "mn") include the responses to either the first 7-day job or the 30-day job when the respondent didn't work in the past week. The second job variables (with suffix "sc") include responses to either the second 7-day job or the 30-day job when the respondent had only 1 job in the past week. These variables are listed in a separate section of the Codebook. Two variables, [mainjobtype] and [secondjobtype], identify whether the responses are related to a job held in the past 7 days or the past 30 days.

Health Section (Q164–201)

This section included brief assessments of overall physical and mental health status derived from the PROMIS Global Health 1.2 measures⁷, specific common chronic conditions, common symptoms, and physical functioning and limitations, all based on the National Health Interview Survey⁸. It also included the 4-item Perceived Stress Scale.⁹ Employed and recently employed respondents were asked about workplace injuries. The questionnaire asked about health behaviors, including smoking, alcohol use, and physical activity, derived from the Behavioral Risk Factor Surveillance Survey.¹⁰ Height and weight were also queried. The section ended with questions on health care utilization and health insurance coverage.

Chronic conditions. Respondents were asked if they have or are being treated for a chronic condition, defined as a long-term condition that has already lasted or can be expected to last for three months or more. Those who replied affirmatively were asked a list of specific conditions. Some such individuals responded negatively to each of the individual conditions, either because they had one that was not listed, or they were unfamiliar with the name of the condition. We have retained their initial positive response to the screening question.

Demographics Section (Q205–228)

In addition to age and gender, which were ascertained in the screening questions, this section included basic sociodemographic questions – marital status, education (self and spouse, if any), household size and composition, race, ethnicity, nativity, and language spoken at home. Latino, Asian, and Pacific Islander respondents were asked to what country or countries they trace their ancestry, and those born outside the US were asked their country of origin. It also included questions about caregiving for children and adult family members.

Race and Ethnicity. Respondents selected as many racial categories as applied, in keeping with common practice. However, respondents could also select Latino as a ‘race’ category, rather than requiring them to select a non-Latino race category and then ask about Latino ethnicity separately. Respondents who did not select ‘Latino’ in the initial question were asked if they are of Hispanic origin. Thus, the Census model of separately reporting Hispanic ethnicity and race can be reconstructed here, if need be.

Finances Section (Q229–238)

This section included questions on levels of household income and individual earnings, kinds of income received, benefit recipiency, home ownership, homelessness, and financial strain.

Poverty Level Income. The questionnaire was designed to determine if respondents had household incomes that were at or below 125% of the 2021 Federal Poverty Guidelines, based on their reported household income levels and household size. The CWHS estimate of this poverty level is substantially higher than the California component of other national surveys. One reason is that the CWHS asked more generally about household income than other surveys; it is also possible that respondents misunderstood the meaning of ‘household’ and included people in the response to the question about household size who were not actually supported by the household income. In support of this hypothesis, poverty rates match other surveys’ estimates more closely for small households. Although the poverty rate may not match other surveys, respondents at or under the poverty line in the survey did report other characteristics consistent with low household income, for example low individual earnings, high rates of public benefit recipiency, and reports of experiencing food, housing, and medical care insecurity. The cautious strategy is to use the CWHS poverty variable as a measure of economic level and relative economic position rather than as a way of characterizing the extent of poverty in the State.

Data Issues

Missing Data. The CWHS is a complex survey, with a vast number of embedded conditional statements controlling which questions are presented to the interviewer (or respondent in the case of selfcompleted surveys). The survey team put the questionnaire through rigorous and repeated tests to ensure accuracy of the underlying logic. Nevertheless, errors arose, mainly due to human error in interpreting the questions or responses. The most noteworthy of these resulted in 34 individuals (0.8% of all respondents) being skipped from the job battery section, even though they appear to have had jobs in the 7 days prior to interview. For any analysis of employment characteristics, these responses should be dropped or imputed. They are indicated with a flag variable called [missingemployedflag]. The individual job battery questions for these respondents are coded with -5.

On call work (Q040a/Q081a/Q124a). In an early version of the survey, the items about working on-call included neither the timeframe nor the definition of on-call work, resulting in a very high proportion of

respondents endorsing on-call work (30% among the first 1,204 respondents who worked in the past 7 days). Subsequently, the question was changed to match the CPS Contingent and Alternative Work Supplement questionnaire from 2017.³ In order to use the first set of respondents, we performed an imputation procedure to fill the responses to the corrected question, had they been asked. Random hotdeck imputation¹¹ was used to impute missing values for participants who answered the old version of the questions (recipients) based on the observed values of respondents who answered the new version of the questions (donors) and were similar to the recipients in relevant variables, based on statistical consideration and the investigators' subjective knowledge of the questions being imputed. A random forest technique was used to evaluate the importance of each variable to predict the response to the new version of the questions, and then investigators evaluated the important variables identified by the random forest based on their subjective knowledge of these variables. For the three questions to be imputed the following variables were selected: survey language, delivery method (phone or web), working part-time and part-year (vs other work patterns), working rotating or variable shifts (vs. other kinds of shifts), and if the job offered health insurance.

Donor pools were created for recipients with same values of the five relevant variables. Then one donor from each recipient's donor pool was randomly selected for the recipient, and the recipient's missing value was replaced with the observed response from the donor. The imputation procedure substantially reduced the estimate of on-call work from 30% to 5.5% (in the main 7-day job).

The variables [q040a_flag; q081a_flag; q124a_flag] indicate which respondents had their answers imputed. The original variables (q040, q081, q124) are also included in the file, for comparison. They should not be used in any analysis.

Perceived Stress Scale (Q176). The 'never' category in the Perceived Stress Scale (PSS) was inadvertently left off the questionnaire, and therefore the lowest value response was 'almost never'. Although this will make the PSS scoring less comparable to other published results, we believe that the responses can still be used to indicate high levels of perceived stress.

App-Based Work (Q028, Q069, Q112, etc.). Because our estimate of app-based work prevalence is higher than other comparable surveys, we reviewed app-based work responses for possible false positives if the respondent did not give an app name, or filled out the "other" text response. Our review followed the process used by the Bureau of Labor Statistics when they piloted questions about "electronically mediated work" in [the May 2017 Contingent Worker Supplement](#). Q028, Q069, Q112, etc. are the updated responses, with likely false positive responses recoded to zeros. The original values are also included in the file as q028[a]_old, q069[a]_old, q112[a]_old, etc. for comparison, including old versions of app categories (q028ai_rideshare, q028ai_delivery, etc...) and main/second job variables (q028[a]mn_old, q028[a]sc_old).

Subcontracting/Work Contracted Out (Q037, Q078, Q121). Like app-based work, our estimate of subcontracting prevalence was higher than other surveys, and we undertook a review process for all affirmative subcontracting responses. We recoded responses from "yes" to "no" in cases that were very likely false positives. The original values are included in the file as q037_old, q078_old, q121_old for comparison.

Acknowledging the Survey and Funding Source

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Here is the text to use:

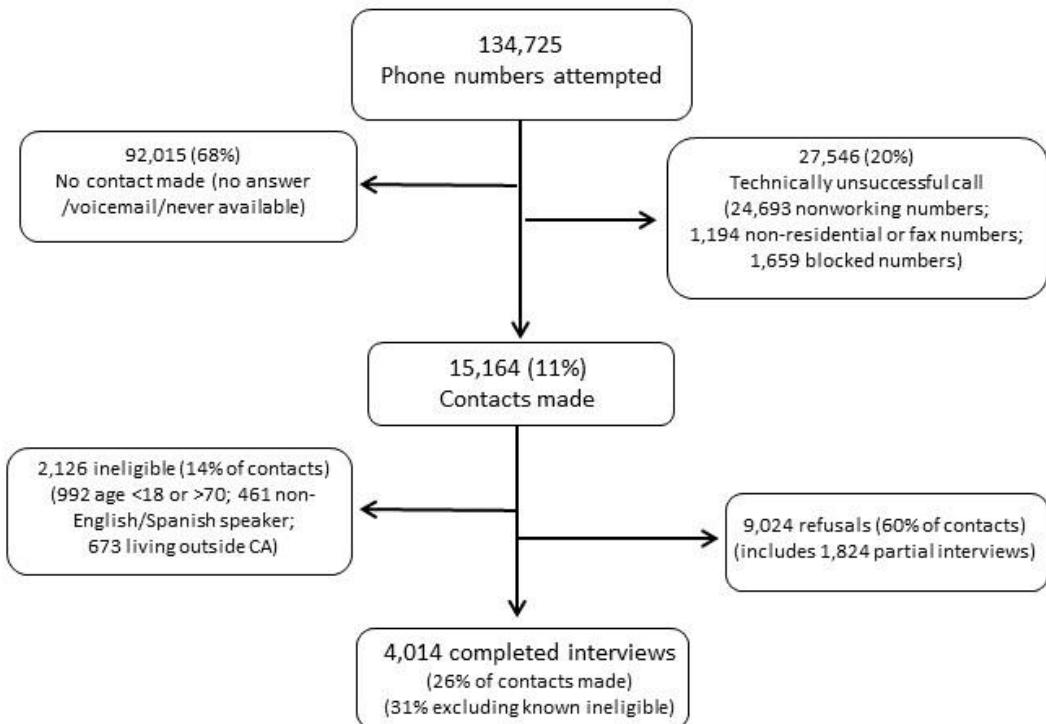
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The views expressed in written materials do not necessarily reflect the official policies of the Department of Health and Human Services (HHS), Centers for Disease Control and Prevention (CDC) or the National Institute for Occupational Safety and Health (NIOSH) nor does the mention of trade names, commercial practices, or organizations imply endorsement by the U.S. Government. *Total Worker Health*® is a registered trademark of HHS.

Citations

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Appendix 1: Recruitment Flowchart



2022 CALIFORNIA WORK AND HEALTH SURVEY – BASELINE QUESTIONNAIRE

Variable names shown in [square brackets] either on the left margin or directly below the question. They are usually the same as the question number. (Items marked with ** have been deleted from public use dataset.) For every item in the survey, the value -9 refers to a question that was asked but not answered by the participant.

SURVEY ADMINISTRATION QUESTIONS

[SERIAL]	NUMERIC ID NUMBER	_____
[ID]	ALPHANUMERIC ID NUMBER	_____
[PATH]	TYPE OF DATA COLLECTION	TELEPHONE 1 WEB (SELF-COMPLETED) 2
[DATE]	**DATE OF INTERVIEW**	_____
[LANGUAGE]	LANGUAGE OF INTERVIEW	ENGLISH 1 SPANISH 2
[STATUS_	**PHASE OF INTERVIEW**	1 ST PRE-TEST 1
REVISION]		2 ND PRE-TEST 2
3 RD PRE-TEST 3		
FINAL VERSION 4		
[PREPAID_INDICATOR]	RESPONDENT REACHED ON PRE-PAID CELL	YES 1
	PHONE	NO 0
[LOI]	LENGTH OF INTERVIEW, MINUTES	_____
[MISSING_PERCENT]	PERCENT OF ASKED QUESTIONS WHICH RESPONDENT DID NOT ANSWER	_____
[WEIGHT]	PROPORTIONAL SAMPLING WEIGHT, ALIGNS TO CA POPULATION AGED 18-70	_____ (RANGE: 0.08 – 6.0)
[WEIGHT_POP]	POPULATION WEIGHT, SUMS TO CA 2022 CWHS Baseline Questionnaire	_____ (RANGE: 534 – 40,000)

INITIAL SCREENING QUESTIONS

[A1A] What is your age? _____

IF PREFER NOT TO ANSWER, ASK:

[A1B] We don't need to know exactly, but which of the following age categories are you? (READ CATEGORIES)	18-20 years old	1
	21-24	2
	25-29	3
	30-39	4
	40-44	5
	45-49	6
	50-59	7
	60-64	8
	65-70	9
	OVER 70	10

[A1C] How would you describe your gender? (READ MALE..... 1

CATEGORIES AS NEEDED) FEMALE 2

(IF REFUSED, PLEASE SELECT GENDER ON VOICE) TRANSGENDER MALE..... 3

TRANSGENDER FEMALE 4

NON-BINARY 5

SUMMARY EMPLOYMENT VARIABLES

THE FOLLOWING VARIABLES ARE CALCULATED BASED ON COMBINED RESPONSES TO SOME OF THE EMPLOYMENT STATUS QUESTIONS THAT FOLLOW:

[CURR_EMP] Calculated variable for employed in past week. YES 1

NO 0

Defined as: **Q001=1 OR Q001A=1,2,3 OR Q002=1**[THIRTYDAY] Working at a job in past 30 days, different than job YES
..... 1

worked in past 7 days (if any). NO 0

[ANYMONTH] Working in past 7 days, or in past 30 days YES 1
NO 0Defined as: **CURR_EMP = 1 OR THIRTYDAY = 1**

[MONTHEMPSTATUS]	Detailed employment status in month/week	NOT WORKING	0
1 JOB IN 7 DAYS (ONLY)	1		
2+ JOBS IN 7 DAYS.....	2		
1 JOB IN PAST 30 DAYS (ONLY)	3		
2+ JOBS IN PAST 30 DAYS	4		
JOB IN PAST 7 DAYS & JOB IN PAST			
30 DAYS.....	5		

[MISSINGEMPLOYED]	Respondent is currently employed but job battery	YES	
1	information is missing.	NO	0

2022 CALIFORNIA WORK AND HEALTH SURVEY

EMPLOYMENT QUESTIONS

We'll begin by asking about your work in the past week. We're interested in *all* the work you did for pay or profit, whether in a formal job with definite work on a continuing basis, as a business owner or an independent contractor, or informal work or odd jobs you took on for pay.

[Q001] What were you doing <u>most</u> of last week? Were	WORKING	1 SKIP TO Q3
you working, were you not at work but had a job,	NOT AT WORK, BUT HAD A JOB	2
were you looking for work, keeping house, going	LOOKING FOR WORK	3
to school, unable to work, retired, or what?	KEEPING HOUSE	4
(ACCEPT ONLY <u>ONE</u> RESPONSE)	GOING TO SCHOOL.....	5
UNABLE TO WORK	6	
RETIRED	7	
OTHER (SPECIFY)	8	
VACATION BUT HAVE A JOB.....	9	
[GEN 1 TO 1A IF Q1 = 9]		
SICK BUT HAVE A JOB.....	10	
[GEN 2 TO 1A IF Q1= 10]		

CAREGIVER FOR FAMILY MEMBER...11

WORK AND SCHOOL EQUALLY.....12

[Q001_OTHER_SPECIFY]

IF NOT WORKING BUT HAD A JOB (Q001 = 2) ASK:

[Q001A] What was the main reason you were not at work last week ?	On vacation 1 SKIP TO Q3
	Illness, bad weather, 2 SKIP TO Q3
	or labor dispute 2 SKIP TO Q3
	Issues with childcare 3 SKIP TO Q3
	Temporary lay-off 4 SKIP TO Q9
	Indefinite lay-off 5 SKIP TO Q9
	About to start a new job in the next 30 days 6 SKIP TO Q15
	-or -some other reason 7 SKIP TO Q10
	DON'T KNOW SKIP TO Q10

IF LOOKING FOR WORK, KEEPING HOUSE, GOING TO SCHOOL, UNABLE TO WORK, RETIRED, OTHER (Q1=3-8), ASK:

[Q002] Did you do any work at all last week for pay or profit? This could include informal paid jobs like driving others, doing errands or repairs, or providing care to people inside or outside of your family, or unpaid work in a family farm or business?	YES 1 GO TO Q3
	NO 0 SEE BELOW

IF DID NOT WORK IN THE LAST WEEK & NOT LOOKING FOR WORK (Q002=0 AND Q001=4,5,6,7 OR 8), GO TO Q10

IF LOOKING FOR WORK (Q001=3), GO TO Q11

IF CURRENTLY EMPLOYED (CURR_EMP = 1), ASK:

[Q003] Did you have only one paying job or more than one job last week? Include part-time work done in the daytime, evenings or weekends.	ONLY ONE JOB 1 (GO TO Q005)	MORE THAN ONE JOB2
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IF HAS MORE THAN ONE JOB (Q003=2), ASK:

[Q004] Altogether, how many different paying jobs did you have last week? _____ JOBS

[Q005] How many hours in total did you work (at all your jobs) last week? _____ HOURS

IF 35 HOURS OR MORE, GO TO Q016

IF WORKED LESS THAN 35 HOURS OR DK, ASK:

[Q006] Do you usually work 35 hours or more a week at (this job)/these jobs)? YES 1 GO TO Q016
NO 0

(THERE IS NO Q7)

IF Q006=0 , ASK:

[Q008] Would you prefer to work full-time (that is, 35 hours a week or more)? YES
1 NO
0

ALL RESPONDENTS TO Q008 GO TO Q016

IF TEMPORARILY OR INDEFINITELY LAID OFF (Q001A=4 OR 5), ASK:

[Q009] How many weeks ago were you laid off?
Just your best estimate. _____ WEEKS
(RECORD "0" IF THIS HAPPENED IN THE LAST WEEK)

IF NOT CURRENTLY EMPLOYED (Q002=0 AND Q001=4,5,6,7,8) OR (Q001A=4,5,7 OR DK), ASK:

[Q010] Have you been looking for work during the past four weeks? YES 1
NO 0

IF LOOKING FOR WORK [Q010=1 OR (Q001=3 AND Q002=2)], ASK:

[Q011] How many weeks have you been looking for work? Just your best estimate. _____ WEEKS

THERE IS NO Q 12. IF NOT LOOKING FOR WORK (Q010=0,) ASK:

[Q013] Do you want a regular job now, either full-time or parttime? YES 1
NO 0

[Q014] Do you intend to look for work of any kind in the next 12 months? YES 1
NO 0

[Q] 5 How many years has it been since you CURRENTLY EMPLOYED 0 (GO TO 16)
16) last worked at a job or business, either 1 YEAR AGO OR LESS 1 (GO TO Q16)
part-time or full-time? 1 TO 3 YEARS 2 (SKIP TO Q143)
MORE THAN 3 YEARS 3 (SKIP TO Q161)
NEVER WORKED 4 (SKIP TO Q164)
NOT ANSWERED -9 (SKIP TO Q143)

IF CURRENTLY EMPLOYED (Q002=1) OR WORKED IN THE PAST YEAR (Q015=1), ASK:

[Q016] During the last 12 months, how many weeks were you working for pay even if only for a few hours? _____ WEEKS Include paid vacation and sick leave as work.

[Q017] During the last 12 months, how many hours HOURS a week did you usually work (when you **IF CURRENTLY EMPLOYED GO TO Q018**

were working)?

IF WORKED IN PAST YEAR GO TO Q100

THE “JOB BATTERY” -- QUESTIONS ABOUT CURRENT AND RECENT JOBS

Each respondent can complete up to 2 job battery series, although some questions are only asked about the first job reported.

Q018 – Q058 refer to the job worked (the most hours) in the past 7 days.

Q059 –Q099 refer to the 2nd job worked in the past 7 days.

Q102-Q142 refer to the job worked in the past 30 days (but not the past 7 days).

Note that the text of the questions is not repeated here. There are slight variations in the wording, just to clarify to the respondent which job is being queried. The question numbers are included in [brackets]. If there are only 2 question numbers for a given question, it indicates that this question is only asked for the first job and is included in the 1st 7-day series and the 30-day series, as appropriate.

IF CURRENTLY EMPLOYED, ASK:

The next series of questions are about your current/main job or business.

18. What is your occupation? What kind of work do you do? [Q018/Q059/Q102]
What are your usual activities or duties?

[Q018_CODE/Q059_CODE/Q102_CODE]	Up to 6-digit Standard Occupational Classification (SOC) code based on text response.
[Q018_2DIG/Q059_2DIG/Q102_2DIG]	First 2 digits of assigned SOC code.
[Q018_3DIG/Q059_3DIG/Q102_3DIG]	First 3 digits of assigned SOC code.

19. Altogether, how long have you worked in your present occupation? How many years? (Just your best estimate).

_____ YEARS
[Q019YRS/Q060YRS/Q103YRS]

20. What kind of business or industry do you work in?
(What do they make or do at this business)? [Q020/Q061/Q104]

[Q020_CODE/Q061_CODE/Q104_CODE]	Up to 6-digit North American Industry Classification System (NAICS) code based on text response.
[Q020_2DIG/Q061_2DIG/Q104_2DIG]	First 2 digits of assigned NAICS code.
[Q020_3DIG/Q061_3DIG/Q104_3DIG]	First 3 digits of assigned NAICS code.

21. How long have you worked for this specific company or organization? How many years? _____ YEARS
[Q021YRS/Q061YRS/Q105YRS]

IF Q021=1, ASK: (NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY)

22. During the past 12 months, have you received YES 1
a promotion? NO 0
[Q022/Q106]

IF Q021=0, ASK: (NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY)

23. Did your current job represent an improvement in pay or status from a previous job?	YES 1
	NO 0
[Q023/Q107]	

24. (At your main job) Are you self-employed or do you work for someone else?	WORKING FOR SOMEONE ELSE 0
	[Q024/Q065/Q108]

IF SELF-EMPLOYED (Q024=1), ASK:

25. Are you self-employed as an independent contractor, independent consultant or freelance worker or something else (such as a business or shop owner)?	INDEPENDENT CONTRACTOR/ CONSULTANT/FREELANCE 1 (GO TO Q27) SOMETHING ELSE 2 (GO TO Q28)	
	DON'T KNOW (GO TO Q28)	
[Q025/Q066/Q109]		
IF WORKS FOR SOMEONE ELSE (Q024=2) ASK:		
26. Are you an employee of a business or farm that you	SELF-EMPLOYED 1	
	YES 1 own? NO	
 0	
[Q026/Q067/Q110]		
26a. Do you work as an independent contractor, YES	freelance worker on this NO 1 independent consultant or	
 0 job? [Q026a/Q067a/Q110a]	
IF AN INDEPENDENT CONTRACTOR (Q25=1 OR Q26A=1), ASK		
27. Do you work exclusively for one	ONLY ONE 1	
	company or customer, or do you work	MORE THAN ONE 2
	for more than one company or	ONE COMPANY/
	customer? MULTIPLE CUSTOMERS 3	
[Q027/Q068/Q111]		

28. Some workers find short, in-person jobs or tasks through	YES 1
connect them directly with customers or jobs	0 using a website or mobile app.
(These companies also	[Q028/Q069/Q112] coordinate payment for the service through the app). (In
your main job,)	Have you earned money through companies like these? As a reminder, we are only talking
about your main job here, not other jobs you may have done.	

IF Q28 =1, ASK

28a. Do you know the name of the app company or	YES 1
whom you do this work?	NO 0
[Q028A/Q069A/Q112A]	

IF Q28a=1, ASK:

28a.i.	<p>What is the name of the company or companies? [VARIABLES ARE NAMED Q028ai/_Q069ai/_Q112ai_ FOLLOWED BY COMPANY NAME E.G., Q028AI_UBER]</p> <p>OTHER VARIABLES FLAG APP NAME RESPONSES BY TYPE OF APP USING THE SAME NAMING CONVENTION, I.E. Q028AI_SALES / Q069AI_SALES / ETC. FOR EACH OF THE FOLLOWING CATEGORIES:</p> <p>[SALES] [RIDESHARE] [ODDJOB] [ENTERTAINMENT] [DELIVERY] [ASSORTED]</p>	<p>Amazon Flex.....1 Angi.....2 Caviar.....3 DoorDash.....4 Grubhub.....5 Hitch.....6 HopSkipDrive7 Instacart.....8 Lyft.....9 Postmates.....10 Rover.....11 Shipt.....12 TaskRabbit.....13 Thumbtack.....14 Uber,.....15 Uber Eats.....16 Other (Specify)17</p>

29. (At your main job) how are you usually paid? By Traditional paycheck/direct deposit...1 paycheck or direct deposit, by personal check, with an Personal check.....2 electronic payment service (such as PayPal, Venmo, Electronic payment service3 Zelle or ApplePay), in cash, or with a prepaid debit card? Cash.....4 (**NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY**) Prepaid debit card.....5

[Q029/Q113]

IF WORKS FOR SOMEONE ELSE (Q24 = 2), ASK

29a. (At your main job) does the amount you are paid for your work depend on how many hours you work, or are you paid a fixed salary? (**NOTE: THIS QUESTION
DELETED IN 2ND JOB BATTERY**)

HOURS WORKED	1
FIXED SALARY.....	2

[Q029A /Q113A]

29a1. Do you get bonuses, tips, or commissions as part of YES1 your pay?
NO.....0

[Q029A1/Q070A1/Q113A1]

IF WORKS FOR SOMEONE ELSE (Q24 =2), ASK

29b. (At your main job) does the amount you are paid for your work depend on the number of pieces that you complete for your employer? This is sometimes called "piece rate" or being paid "by piece?"

(NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY)

YES	1
NO	0

[Q029B/Q113B]

30. Does your employer take any deductions from your for income tax or Social Security? YES1 pay, such as
NO0

[Q030/Q071/Q114] 31. (IF

Q19=0, ASK) Which of the following will you receive W21 to file your income taxes at the end of the year, a W2 10992 or a 1099? (IF Q19 ≥ 1, ASK) Did you receive a W2 tax [Q031/Q072/Q115] form or a 1099 tax form for the purposes of filing your income taxes at the end of 2021?

32. (At your main job/At this other job) in the past 12 YES 1 months have you done any work for which you NO 0 expected payment but never received it, or received [Q032/Q073/Q116] less than you were expecting?

IF SELF-EMPLOYED (Q24=1), OR EMPLOYEE OF A BUSINESS THEY OWN (Q26=1), INDEPENDENT CONTRACTOR (Q26A=1), APP WORKER (Q28=1), OR RECEIVES A 1099 (Q31=2), ASK

33a. In doing this work, who mainly decides how the work is done?	YOU/WORKER DECIDES 1 COMPANY DECIDES 2 [Q033A/Q074A/Q117A]						
33b. What is the main product or service that this company provides? What do they make or do at this business?	_____. [Q033B/Q074B/Q117B]						
<table border="1"> <tr> <td>[Q033B_INDCODE/Q074B_INDCODE/Q117B_INDCODE]</td> <td>Up to 6-digit North American Industry Classification System (NAICS) code based on text response.</td> </tr> <tr> <td>[Q033B_INDCODE_2DIG/Q074B_IND_CODE_2DIG/Q117B_INDCODE_2DIG]</td> <td>First 2 digits of assigned NAICS code.</td> </tr> <tr> <td>[Q033B_INDCODE_3DIG/Q074B_IND_CODE_3DIG/Q117B_INDCODE_3DIG]</td> <td>First 3 digits of assigned NAICS code.</td> </tr> </table>		[Q033B_INDCODE/Q074B_INDCODE/Q117B_INDCODE]	Up to 6-digit North American Industry Classification System (NAICS) code based on text response.	[Q033B_INDCODE_2DIG/Q074B_IND_CODE_2DIG/Q117B_INDCODE_2DIG]	First 2 digits of assigned NAICS code.	[Q033B_INDCODE_3DIG/Q074B_IND_CODE_3DIG/Q117B_INDCODE_3DIG]	First 3 digits of assigned NAICS code.
[Q033B_INDCODE/Q074B_INDCODE/Q117B_INDCODE]	Up to 6-digit North American Industry Classification System (NAICS) code based on text response.						
[Q033B_INDCODE_2DIG/Q074B_IND_CODE_2DIG/Q117B_INDCODE_2DIG]	First 2 digits of assigned NAICS code.						
[Q033B_INDCODE_3DIG/Q074B_IND_CODE_3DIG/Q117B_INDCODE_3DIG]	First 3 digits of assigned NAICS code.						
33c. For this job, are you in business for yourself?	YES 1 NO 0 [Q033c/Q074c/Q117c]						

34. Provided the economy does not change and your job adequate, could you continue working YES 1 performance is NO 0 for your current employer as long as you wish? [Q034/Q075/Q118]

IF Q034=0, ASK

35. Do you expect this job to end in the next 12 months?	YES 1 NO 0 [Q035/Q076/Q119]
36. (At your main job/At this other job) are you paid by a employment agency? NO	YES 1 temporary 0 [Q036/Q077/Q120]
37. Some companies provide employees or employee under contract. (At your main job/At this other job) do you work for a company that	YES 1 services to others NO 0 [Q037/Q078/Q121] contracts your services out?
38. Counting all locations, what are the total number of for this employer? (NOTE: THIS 10-99..... QUESTION DELETED IN 2ND JOB BATTERY)	Less than 10 1 persons who work 2 100-1,000 3 MORE THAN 1,000.....4 DON'T KNOW.....DK [Q038/Q122]

39. Which of the following best describes your work schedule (at your main job/at this other job)?

Regular daytime schedule.....1
 Regular evening shift.....2
 Regular nighttime shift.....3
 Rotating shift (one that changes regularly from days to evenings to nights)4
 Split shift (one consisting of two distinct periods each day)5
 Variable shift (one that changes from day to day).6
 [Q039/Q080/Q123]

NOTE: THE FIRST ~1600 RESPONDENTS ANSWERED Q040_OLD. AFTER THAT TIME Q040A WAS USED, AND RESPONSES FOR RESPONDENTS WHO ORIGINALLY ANSWERED Q040 WERE IMPUTED INTO THE VARIABLES FOR THE UPDATED VERSION OF THE QUESTION.

40. Are you ever asked to be "on call" for work (at your main job/at this other job)? YES.....1
 NO0
 [Q040_OLD/Q081_OLD/Q124_OLD]

40a. On-call workers are called into work only when they are needed. Were you an on-call worker (at your main job/at this other job) last week? YES.....1
 NO0
 [Q040A/Q081A/Q124A]

[Q040A_FLAG/Q081_FLAG/Q124_FLAG] RESPONSE WAS IMPUTED 1
 RESPONDENT ANSWERED Q040A ... 0

41. Are you ever required to work overtime, (at your main job/at this other job)? YES.....1
 NO0

42. (At your main job) do you have flexible hours that allow you to vary when you begin and end work? (**NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY**) YES.....1
 NO0
 [Q042/Q126]

43. (At your main job) do you supervise the work of others tell other employees what work to do? (**NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY**) YES.....1 or
 NO0
 [Q043/Q127]

44. As part of your regular hours (at your main job) do you ALL OF THE TIME 1 work at home – all of the time, some of the time or SOME OF THE TIME 2
 none of the time? (**NOTE: QUESTION DELETED IN 2ND JOB BATTERY**) NONE OF THE TIME 3
 [Q044/Q128]

THERE IS NO Q 45 OR 46

IF WORKS FOR SOMEONE ELSE (Q24=2), ASK:

47. (At your main job) how many days of sick leave are you allowed each year without losing pay? _____ DAYS
 (**NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY**) [Q047/Q131]

UNLIMITED SICK DAYS 1
 [Q047_UNLIMITED/Q131_UNLIMITED]

48. I am going to read some characteristics of jobs. Please tell me if you agree or disagree with each statement.

[STATEMENT] Do you agree or disagree? Would that be strongly, or somewhat? **(NOTE:**

THIS QUESTION DELETED IN 2ND JOB BATTERY)

[Q048_A-H/Q132_A-H]

	AGREE <u>STRONGLY</u>	AGREE <u>SOMEWHAT</u>	DISAGREE <u>SOMEWHAT</u>	DISAGREE <u>STRONGLY</u>
a. My job requires that I learn new things.....	1 2	3	4	
b. I have very little freedom to decide how I do my work	1 2 3 4	1 2	3 4	
c. My job allows me to make a lot of decisions on my own	1 2	3 4	1 2	3 4
4 d. I have enough time to get the job done	1 2	3 4	1 2	3 4
e. My job requires working very fast without having breaks	1 2 3 4			
f. The person or business I work for keeps track of how quickly I am working to complete my job tasks.....	1 2 3 4	1 2	3 4	
g. I fear that I will lose my job if I do not work fast enough to complete my job tasks	1 2 3 4			
h. I fear that I will lose my job if I take any time for a break from my job tasks	1 2 3 4			

THERE IS NO Q 49

50. How much of the following things do you have to do as part of the duties of your (main) job? Do you have to
(ITEM) -- a lot, sometimes, or not at all? **(NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY)**

[Q050_A-H/Q134_A-H]

	<u>ALOT</u>	<u>SOMETIMES</u>	<u>NOT AT ALL</u>
a. walk	1	2	3
b. use stairs or inclines	1	2	3
c. stand for four or more hours on a shift	1	2	3
d. sit for long periods	1	2	3
e. stoop, crouch or kneel	1	2	3
f. bend over or twist around	1	2	3
g. lift or carry weights as heavy as 50 pounds	1	2	3
IF NOT "ALOT" FROM Q50g, ASK:			
h. lift or carry weights up to 10 pounds	1	2	3
i. repeat the same hand motion at least 30 times per hour	1	2	3
j. pinch or grasp items or tools	1	2	3
k. use vibrating or powered hand tools	1	2	3
l. ride in a vehicle	1	2	3
m. use computers or other devices like iPads	1	2	3
n. concentrate for long periods	1	2	3

o. interact with other people 1 2 3 .

51. What level of education would you say is High school 1 required to do your (main) job reasonably well? Associates degree or vocational school 2 (**NOTE: THIS QUESTION DELETED IN 2ND JOB** Bachelor's degree (4-year college)..... 3
BATTERY) Graduate degree..... 4
[Q051/Q135]

THERE IS NO Q52

53. The next question asks about "bullying" at work. "Bullying" can include things like being humiliated, constantly criticized or excessively teased. (At your main job) how often do you feel bullied by **(ITEM)** – never, occasionally or frequently? (**NOTE: QUESTION DELETED IN 2ND JOB BATTERY**)

[Q053_A-C/Q137_A-C]

NEVER OCCASIONALLY FREQUENTLY NOT APPLICABLE

a. your supervisor 1 2 3 -8
 b. your co-workers 1 2 3 -8
 c. customers 1 2 3 -8

54. How often do you feel respected by **(ITEM)** -- never, occasionally or frequently?

(NOTE: THIS QUESTION DELETED IN 2ND JOB BATTERY) [Q054_A-C/Q138_A-C]

NEVER OCCASIONALLY FREQUENTLY NOT APPLICABLE

a. your supervisor 1 2 3 -8
 b. your co-workers 1 2 3 -8
 c. customers 1 2 3 -8

55. At this job are you covered by a union or YES, COVERED 1 employee association contract? NO 0

[Q055/Q096/Q139]

THERE IS NO Q56, Q97, OR Q98

57. At this job does your employer (or temporary YES 1 agency) offer health insurance to any of its NO 0 employees?

[Q057/Q098/Q141]

(NOTE: THIS QUESTION NOT ASKED IN 2ND JOB BATTERY IF RESPONDENT HAS ALREADY REPORTED EMPLOYER-BASED INSURANCE IN THEIR 1ST JOB) **IF Q057=1, ASK:**

57a. Are you on this health insurance plan? YES 1
NO 0
[Q057A/Q098A/Q141A]

58. At this job are you included in any pension, retirement YES, INCLUDED IN PLAN 1 or tax-deferred savings plan? NO 0

[Q058/Q099/Q142]

END OF JOB BATTERY.

IF HAS MORE THAN ONE JOB (Q003=2), SAY:

Now I'm going to ask you the same series of questions about (the other job that you had in the past seven days/one of the other jobs that you had in the past seven days, the one that you worked at the most in addition to your main job.)

Q59-Q99: REPEAT Q18-Q58 (JOB BATTERY SERIES)

IF CURRENTLY EMPLOYED (CURR_EMP = 1) OR WORKED IN THE PAST YEAR (Q015=1), ASK

100. (Other than your main job/Other than the jobs you just	YES	
.....1 told me about) did you do any work for pay or profit in		
NO0 the past month? Include any formal jobs you held as		
[Q100] well as odd or side jobs like driving people places or doing		
errands or fixing things, or other kinds of task work.		
[THIRTYDAY] Calculated variable for "had a job in past thirty days which	YES	1
they did not work in the past seven days, and did not have	NO	
..0 multiple jobs in past week."		
Defined as: Q100 = 1 & Q003 =/2		
[ANYMONTH] Calculated variable for "worked within the past month."	YES	1
	NO	0
Defined as: CURR_EMP = 1 OR THIRTYDAY = 1		

IF Q100=1, ASK

100a. How many (other) jobs did you have in the	JOBS
past month?	[Q100A]

IF HAS MORE THAN ONE JOB (Q003=2) OR HAS ONE JOB AND DID OTHER WORK FOR PAY IN THE PAST MONTH (Q003=1 AND Q100=1), ASK:		
101.	Not counting the income from your job which of the following best describes the income you receive from your other job(s)?	It is essential for meeting my basic needs...1 It is helpful, but not essential.....2 main I could live comfortably without it.....3 NOT APPLICABLE*.....-8 *(or changed jobs in past 30 days, did not have 2 jobs simultaneously). [Q101] IF Q101=1, 2 OR 3, ASK Q101A:
	101a. Would you prefer to have only 1 job?	YES1 NO0 [Q101A]

IF HAS MORE THAN ONE JOB IN PAST 7 DAYS (Q003=2) OR ONLY ONE JOB TOTAL (Q003=1 AND Q100=2), SKIP TO Q143.

IF HAS ONE JOB (Q003=1) AND DID OTHER WORK IN PAST MONTH (Q100=1), SAY:

Now I'm going to ask you the same series of questions about (the other job that you had in the past month/one of the other jobs that you had in the past month, the one that you worked at the most.)

Q102-Q142: REPEAT Q018-Q058 AS Q102-Q142

IF NOT CURRENTLY EMPLOYED (CURR_EMP = 0) AND WORKED IN PAST MONTH (Q100=1), SAY:

Now I'm going to ask you a series of questions about (the job that you had in the past month/one of the jobs that you had in the past month, the one that you worked at the most.)

Q102-Q142: REPEAT Q018-Q058 AS Q102-Q142

IF CURRENTLY EMPLOYED OR WORKED IN PAST THREE YEARS (Q015= 0, 1, 2, 3):

143. In the past three years, did you ever lose a job or leave YES 1 (GO TO Q145) a job
specifically because you expected to be laid off? NO 0
[Q143]

THERE IS NO Q 144

IF HAS LOST A JOB IN PAST THREE YEARS (Q143 =1), ASK:		
145.	Thinking about the last time this happened, did it occur within the past 12 months?	YES 1 NO 0 [Q145]
146.	How long had you been employed by the employer? How many years?	_____ YEARS (= 0 IF LESS THAN ONE YEAR) [Q146YRS]

SKIP Q147 IF CURRENTLY EMPLOYED (CURR_EMP = 1)

147. Have you worked for pay since that job ended? YES 1
NO 0

[Q147]

THERE IS NO Q148-149.

Q150-152 ESTABLISHED WHETHER A RESPONDENT HAS WORKED AT ANY JOB LONGER THAN THE ONE(S) THEY PREVIOUSLY DESCRIBED. SEVERAL QUESTIONS HAVE BEEN COMBINED INTO ONE FOR THE SAKE OF CLARITY:

ASK IF ANYMONTH = 1:

150. Earlier you said that you'd worked at [one of] your job(s) for ____ years. Have you been at any previous job longer than that job? YES 1 (GO TO Q153)
NO 0 (SKIP TO Q156)
[Q150]

[LONGJOB]	Which job is respondent's longest job?	FIRST 7-DAY JOB 1 SECOND 7-DAY JOB 2 THIRTY-DAY JOB 3 OTHER JOB 4
-----------	--	--

IF HAS NOT WORKED A PREVIOUS JOB LONGER THAN ANY CURRENT JOB(S), RESPONDENT SKIPS TO Q156 AND ANSWERS TO Q153-155A ARE POPULATED FROM THEIR PRIOR RESPONSES.

IF WORKED A JOB LONGER THAN CURRENT JOB(S) (Q150=1), ASK 153-155A.

Now I'd like to ask you about the job you worked at for the longest amount of time.

NOTE: VARIABLE NAMES ARE NOT THE QUESTION NUMBERS FOR Q153-155A.		[LONGIND_TEXT]
153.	What kind of business or industry did you work in? What did they make or do at this business?	[LONGIND_CODE] [LONGIND2DIG] [LONGIND3DIG]
154.	What kind of work did you do; that is, what was your occupation? What were your usual activities or duties?	[LONGOCC_TEXT] [LONGOCC_CODE] [LONGOCC2DIG] [LONGOCC3DIG]
155.	How long were you employed by this employer? How many years?	_____YEARS [LONGYRS]
155a.	When did you last work in this job? In what year? just your best estimate?	_____YEAR [LONGLASTYR]

IF WORKED IN PAST 3 YEARS (CURR_EMP = 1 OR (Q015=1 OR 2)) , ASK:

156.	At what age did you first work six or more months in a row at a job or business?	ENTER AGE _____ [Q156] If began working before age 10.....1 [Q156_BEFORE_10]
157.	Since you first started working at age (INSERT AGE FROM Q156), have you always worked at least six months out of the year?	YES 1 NO 0 [Q157]

158.	Since you first started working at age (INSERT AGE FROM Q156), how many times have you gone at least six months in a row without working? Just your best estimate.	ONE TIME 1 TWO TIMES 2 THREE OR MORE TIMES.....3 [Q158]
------	--	--

THERE IS NO Q159 OR Q160

IF EVER WORKED (Q015 IS NOT 4), ASK:

161.	Have you ever been fired, not hired or not promoted because of your (ITEM)? (SELECT ALL THAT APPLY)	AGE 1 [Q161_AGE]
[NOTE: VARIABLE = 1 IF RESPONDENT SAID YES TO ITEM]		SEX 1

[Q161_SEX]

GENDER IDENTITY 1

[Q161_GENDER]

SEXUAL ORIENTATION 1

[Q161_SEXUAL_ORIENTATION]

RACE OR ETHNIC BACKGROUND 1

[Q161_RACE]

RELIGION 1

[Q161_RELIGION]

DISABILITY OR ILLNESS 1

[Q161_Disability]

NO (NONE) 1

[Q161_NO]

THERE IS NO Q162

IF YES TO ANY Q161, ASK:

163. Did (this/any of these) happen in the past 3 years? YES 1
NO 0

[Q163]

IF EXPERIENCED DISCRIMINATION IN PAST THREE YEARS (Q163=1), ASK

163a.	Did this have a negative impact on your present employment situation?	YES 1
		NO 0

[Q163A]

HEALTH QUESTIONS

Now some questions about your health...

164. In general, would you rate your health as excellent, very good, good, fair or poor?
EXCELLENT 1
VERY GOOD 2
GOOD 3
FAIR 4
POOR 5

[Q164]

THERE IS NO Q165

166. In general, would you rate your physical health as EXCELLENT 1 excellent, very good, good, fair or poor? VERY GOOD 2

GOOD 3

FAIR 4

POOR 5
 [Q166]

167. In general, would you rate your mental health, EXCELLENT 1 including your mood and your ability to think as VERY GOOD 2 excellent, very good, good, fair or poor?
 GOOD 3
 FAIR 4
 POOR 5
 [Q167]

168. In general, would you rate your satisfaction with EXCELLENT 1 your social activities and relationships as excellent, VERY GOOD 2 very good, good, fair or poor? GOOD
 3
 FAIR 4
 POOR 5
 [Q168] **THERE IS NO Q 169 OR Q170**

171. To what extent are you able to carry out your COMpletely 1 everyday physical activities such as walking, MOSTLY 2 climbing stairs, carrying groceries, or moving a MODERATELY 3 chair? Would you say completely, mostly, A LITTLE 4 moderately, a little or not at all? NOT AT ALL 5
 [Q171]

172. In the past 7 days how often have you been NEVER 1 bothered by emotional problems such as feeling RARELY 2 anxious, depressed, or irritable? Would you say SOMETIMES 3 never, rarely, sometimes, often or always? OFTEN 4
 ALWAYS 5
 [Q172]

The next series of questions ask you to rate your pain on a scale of 0 to 10, where 0 is no pain and 10 is the worst pain imaginable.

173. In the past 7 days how would you rate your pain on
 average on a scale of 0-10,

PAIN LEVEL ON AVERAGE

[Q173]

THERE IS NO Q 174

175. Using the same 0-10 scale, over the last 12 months what was the worst pain in the following regions of the body that lasted 3 days or more?

- Neck or shoulder? [Q175_a]
- Back or hips? [Q175_b]
- Elbow, hand, or wrist? [Q175_c]
- Feet or knees? [Q175_d]

IF Q175_A, B, C, OR D >=3, ASK:

175e. Does pain currently interfere with your daily activities?	YES	1
	NO	0

[Q175E]

175f. In the past 12 months, have you had trouble breathing YES 1
or shortness of breath that lasted for 3 days or more? NO 0
[Q175f]

175g. In the past 12 months, have you had numbness, YES 1
tingling, or burning sensation in your hands, legs,
feet that lasted 3 days or more? NO 0 or
[Q175g]

176. The next questions ask about your feelings and thoughts during the past month. In the past month, how often have you felt or thought (ITEM) -- almost never, sometimes, often or very often?

[Q176_a-d]

ALMOST NEVER	SOMETIMES	OFTEN	VERY OFTEN	a.	Felt that you were unable to control the important things in your life.....	1	2	3	4	b.	Felt difficulties were piling up so high that you could not overcome them.....	1	2	3	4	c.	Felt that things were going your way	1	2	3	4	d.	Felt confident about your ability to handle your personal problems	1	2	3	4
--------------	-----------	-------	------------	----	--	---	---	---	---	----	--	---	---	---	---	----	---	---	---	---	---	----	---	---	---	---	---

THERE IS NO Q 177

178. Do you have or are you being treated for a long-term medical YES 1
condition? A long-term condition is one which has already lasted NO 0
three months or can be expected to last that long. [Q178]

179. Are you limited in any way in activities because of a long- YES 1 term
physical or mental impairment or medical condition? NO 0 **(SKIP TO Q180)**

[Q179]

IF Q179=1, ASK

179a. Does your long-term physical or mental impairment or medical condition now keep you from working at a job or business?	YES	1 (SKIP TO Q180)
	NO	0

[Q179A]

IF Q179a = 0 OR DK, ASK:

179b. Are you limited in the kind or amount of work you can do because of your long-term impairment or health problem?	YES	1
	NO	0

[Q179B]

IF HAS OR HAS BEEN TREATED FOR A LONG-TERM MEDICAL CONDITION (Q178 = 1), ASK

180. Now we're going to ask about any medical conditions that you may have. Do you have or are you currently being treated for... (ITEM)?

[Q180_a-o]

YES NO

- a. high blood pressure or hypertension 1 0
- b. heart disease, including angina), congestive heart failure, heart attack or other heart problems 1 0
- c. diabetes 1 0
- d. any form of cancer 1 0
- e. asthma 1 0
- f. migraine headaches 1 0
- g. a chronic lung disease, like emphysema or chronic bronchitis 1 0
- h. ulcer 1 0
- i. kidney or bladder problems 1 0
- j. back problems 1 0
- k. repetitive strain injury or carpal tunnel syndrome 1 0
- l. arthritis 1 0
- m. thyroid disease 1 0
- n. uncorrectable or severe visual impairment or blindness 1 0
- o. hearing impairment or significant hearing loss 1 0

IF CURRENTLY EMPLOYED (CURR_EMP = 1) OR WORKED IN THE PAST YEAR (Q015 = 1), ASK Q181:

181. In the past 12 months, have you had an on-the- YES, ONE 1 job
injury? YES, MORE THAN ONE 2

NO 0

[Q181]

IF Q181=1 OR 2, ASK:

181a.	Did your on-the-job injury in the past 12 months require medical attention?	YES 1	
		NO 0	[Q181A]
181b.	Did you report your on-the-job injury in the past 12 months to anyone in your workplace?	YES 1	
		NO 0	[Q181B]
181c.	Did you receive any workers compensation payments for your on-the-job injury in the past 12 months?	YES 1	
		NO 0	[Q181C]

THERE IS NO Q182 OR Q183

184. Have you smoked at least 100 cigarettes in your entire life? YES 1
Not e-cigarettes or marijuana. NO 0

[Q184]

IF Q184=1, ASK:

185. How old were you when you first started smoking cigarettes? _____ YEARS
[Q185]

186. Do you now smoke cigarettes every day, some days, or not at all? 1
SOME DAYS..... 2
NOT AT ALL..... 3
[Q186]

IF Q186=1 OR 2, ASK:

187. On average, how many cigarettes do you now smoke a day? CIGARETTES _____
[Q187]

188. On how many of the past 30 days did you smoke? DAYS _____
[Q188]

IF Q186=3, ASK:

189. On the average, when you smoked, about how many cigarettes did you smoke a day? CIGARETTES _____
[Q189]

190. For how many years did you smoke? YEARS _____
[Q190]

[SMOKER] Categorical variable for smoker status. NEVER SMOKED 0 CURRENT
SMOKER 1 FORMER
SMOKER 2

[PACKYEARS] Calculates pack/years for former and _____ current smokers

190a. Do you vape or use e-cigarettes every day, some days or not at all? 1
SOME DAYS..... 2
NOT AT ALL..... 3
[Q190a]

191. During the past month, have you had at least one drink YES 1 of any alcoholic beverage,
such as beer, wine, or liquor? NO 0 [SKIP TO Q195A]
[Q191]

IF Q191=1, ASK:

192. During the past month, how many days per week or month did you drink any alcoholic beverages, on average? DAYS PER WEEK
[Q192_WEEK]

193. If a drink is considered one can or bottle of beer, one glass of wine, one cocktail or one shot of liquor, on the days when you drank, about how many drinks did you have on the average? DAYS PER MONTH
[Q192_MONTH]

194. Considering all types of alcoholic beverages, how many times during the past month did you have five or more drinks on an occasion? DRINKS PER OCCASION
[Q193] TIMES
[Q194]

195a. Which of the following best describes your activity level? Seldom active.....1 physical
Moderately active for at least 30 minutes, 3 or more times a week.....2
Vigorously active for at least 30 minutes, 3 or more times a week.....3 [Q195A]

195b. In the past month, on how many days have you done a total of 30 minutes or more of recreational physical activity that was enough to raise your breathing rate? DAYS
[Q195B]

196. In the past 12 months, how many times have you been an overnight patient in a hospital for at least longer? TIMES
[Q196] one day or

197. About how long has it been since you saw or other health care 1 YEAR OR LESS1 talked to a doctor or
1 TO 3 YEARS2 professional – 1 year or less, 1 to 3 years or
more MORE THAN 3 YEARS.....3 than 3 years?[Q197]

THERE IS NO Q198 OR Q199

IF ON EMPLOYER'S INSURANCE PLAN (Q057A = 1, Q098A = 1 OR Q141A = 1), SKIP TO Q205

200. Do you currently have any kind of health care coverage? YES 1 This would include health insurance, prepaid plans such NO 0 as H-M-O's, or any government sponsored plans such [Q200] as Medicare or Medi-Cal?

IF Q200=2, ASK:

201a. Did you have health care coverage at any point YES 1 during the past 12 months? NO..... 0

[Q201A]

THERE IS NO Q 202, Q203 OR Q204

DEMOGRAPHIC AND ECONOMIC QUESTIONS

205. Are you married, a member of an unmarried couple, MARRIED 1 separated or divorced, widowed, or never been UNMARRIED COUPLE 2 married? SEPARATED/DIVORCED 3

WIDOWED 4
NEVER BEEN MARRIED 5
[Q205]

206. What is the highest year of school that you have
Less than high school 1 completed
or the highest degree you have received? High school graduate 2 2-year college
/Associate degree 3 Trade/vocational school degree 4 Some college, no degree 5
Bachelor's degree/college 6

Master's degree/ doctoral degree or professional
school degree 7

[Q206] IF MARRIED OR

A MEMBER OF AN UNMARRIED COUPLE (Q205 = 1 OR 2), ASK:

207. What is the highest year of school that your
spouse or partner has completed or the highest
degree he or she has received?
Less than high school 1 High school
graduate 2 2-year
college /Associate degree 3
Trade/vocational school degree 4
Some college, no degree 5
Bachelor's degree/college 6
Master's degree/ doctoral degree or
professional school degree 7
[Q207]

208a. About how tall are you without shoes? _____ INCHES
[Q208A_INCHES]

208b. About how much do you weigh without shoes? (IF
VOLUNTEERS THAT SHE IS PREGNANT, ASK: What was your
pre-pregnancy weight?) _____ POUNDS
[Q208B_LBS]
[BMI] Calculated BMI.

(NOTE: RESPONDENTS COULD PROVIDE METRIC OR
IMPERIAL HEIGHT/WEIGHT VALUES. ALL RESPONSES HAVE
BEEN CONVERTED TO INCHES & POUNDS.)

209. Including yourself, how many people live in your
household? _____ TOTAL
[Q209]

IF RESPONDENT LIVES WITH OTHER PEOPLE (209>1), ASK:

210.	Including yourself, how many are adults age 18 or older?	_____ ADULTS [Q210]
------	--	------------------------

IF Q209>Q210 ASK:

211.	How many are children under age 5?	_____ UNDER 5 [Q211]
------	------------------------------------	-------------------------

212.	How many are age 5 through 17?	AGE 5-17 [Q212]
------	--------------------------------	--------------------

IF RESPONDENT LIVES WITH CHILDREN OF ANY AGE (Q211>0 OR Q212>0), ASK

213.	How many hours in a typical day do you spend caring for the needs of the children? Just your best estimate	HOURS [Q213]
------	--	-----------------

IF RESPONDENT LIVES WITH Q211>0, ASK:

214.	For how many hours were the children under age five in paid childcare last week?	HOURS [Q214]
------	--	-----------------

IF MORE THAN ONE ADULT IN HOUSEHOLD (Q210>1), ASK:

215.	How many hours in a typical day do you spend taking care of the needs of any elderly or disabled adults in your household, such as helping with bathing or cooking or doing errands or taking them to medical care?	HOURS [Q215]
------	---	-----------------

216.	In a typical week, how many hours do you spend taking care of the needs of family members who do not live with you?	HOURS [Q216]
------	---	-----------------

IF CAREGIVER FOR CHILDREN OR FAMILY MEMBERS (Q213 > 0 OR Q215 > 0 OR Q216 > 0), ASK:

216a.	Were you paid for any of your time spent caring for any of your family members?	YES 1 NO 0 [Q216A]
-------	---	--------------------------------------

IF MORE THAN ONE ADULT	How many of the other adults age 18 or older in your household worked for pay in the past week?	ADULTS [Q217]
------------------------------------	---	------------------

IN HOUSEHOLD (Q210>1), ASK: 217.

THERE IS NO Q 218 , Q219, Q220, OR Q221

222.	For classification purposes, which of the following best race. You may select as many as apply	WHITE/CAUCASIAN..... 1 describes your [Q222_WHITE] -- white or Caucasian, Latino, Black or African LATINO 1 American, Asian, Pacific Islander, American Indian or Alaskan Native?
------	--	---

(NOTE: ALL Q222 VARIABLES = -9 FOR A DK/REF
[Q222_WHITE] RESPONSE TO THIS ITEM.)

PACIFIC ISLANDER 1

ASIAN 1

[Q222_PACIFIC_ISLANDER]

BLACK/AFRICAN AMERICAN 1

[Q222_BLACK]

AMERICAN INDIAN 1
..... 1

[Q222_AMERICAN_INDIAN] ALASKAN NATIVE

[Q222_ALASKA_NATIVE]

OTHER (SPECIFY) 1

[Q222_OTHER]

[Q222_OTHER_SPECIFY] IF NOT LATINO (Q222_LATINO /= 1), ASK Q222A:

222a Are you or is your family of Hispanic origin, such as YES 1
Mexican American, Central American, South NO 0
American or Spanish-speaking Latino America? [Q222A]

[HISP_LAT]	Indicator variable for Latino and/or Hispanic identity.	YES 1
	Defined as: Q222_LATINO = 1 OR Q222A = 1	NO 0

IF HISP_LAT = 1, ASK Q222B:

222b. To what Latin American country or countries do you and your family trace your ancestry?

(NOTE: VARIABLES = 1 IF RESPONDENT TRACES ANCESTRY TO THAT COUNTRY. VARIABLES ENDING WITH SPECIFY ARE OPEN TEXT FIELDS)

Country	Variable Name	Country	Variable Name
Argentina [q222b_argentina] [q222b_bolivia] [q222b_chile]	Bolivia	Honduras	[q222b_honduras]
Colombia [q222b_colombia] [q222b_costa_rica]	Chile	Mexico	[q222b_mexico]
Cuba	Costa Rica	Nicaragua	[q222b_nicaragua]
Dominican Republic [q222b_dominican_republic]	[q222b_Cuba]	Panama	[q222b_panama]
Ecuador	[q222b_ecuador]	Paraguay	[q222b_paraguay]
El Salvador [q222b_el_salvador] [q222b_guatemala]	Guatemala	Peru	[q222b_peru]
		Puerto Rico	[q222b_puerto_rico]
		Uruguay	[q222b_uruguay]
		Venezuela	[q222b_venezuela]
		Other (specify)	[q222b_other_specify]

IF ASIAN OR PACIFIC ISLANDER (Q222=3 OR 4), ASK Q223:

223. To what Asian or Pacific Island country or countries do you and your family trace your ancestry?

(NOTE: VARIABLES = 1 IF RESPONDENT TRACES ANCESTRY TO THAT COUNTRY. VARIABLES ENDING WITH SPECIFY ARE OPEN TEXT FIELDS)

Bangladesh	[Q223_BANGLADESH]	Nepal	[Q223_NEPAL]
Bhutan	[Q223_BHUTAN]	Pakistan	[Q223_PAKISTAN]
Burma	[Q223_Burma]	Philippines	[Q223_PHILLIPINES]
Cambodia	[Q223_CAMBODIA]	Samoa	[Q223_SAMOA]
China	[Q223_CHINA]	Sri Lanka	[Q223_SRI_LANKA]
Guam	[Q223_GUAM]	Taiwan	[Q223_TAIWAN]
Hawaii	[Q223_HAWAII]	Thailand	
Hmong	[Q223_HMONG]	[Q223_THAILAND] Vietnam
India	[Q223_INDIA]	[Q223_VIETNAM]
Indonesia	[Q223_Indonesia]	Other Asian (specify) _____	
Japan [Q223_JAPAN]			[Q223_OTHER_ ASIAN]
Korea (North or South).....	[Q223_KOREA]		[Q223_OTHER_ ASIAN_SPECIFY]
Laos	[Q223_LAOS]	Other Pacific Islander (specify)	
Malaysia	[Q223_MALAYSIA]		[Q223_OTHER_PI]
			[Q223_OTHER_PI_SPECIFY]

224. In what country were you born?

[Q224]

UNITED STATES	1	IRELAND	13	AUSTRALIA	2
ITALY 14					
BRAZIL	3	JAPAN	15		
CANADA.....	4	KOREA	16		
CHINA/TAIWAN	5	LAOS	17		
COLUMBIA	6	MEXICO	18	FRANCE	
.....	7	NICARAGUA	19	GERMANY	
.....	8	PAKISTAN.....	20	GREAT	BRITAIN
.....	9	RUSSIA	21		
GUATEMALA	10	OTHER (SPECIFY) _____	22		
INDIA	11				[Q224_OTHER_SPECIFY]
IRAN	12				

[NATIVITY] Indicator variable for US nativity status. YES 1 Defined as: **q224 = 1** NO 0

IF NATIVITY = 1, ASK:

224a.	Were your parents born in the United States?	BOTH PARENTS BORN IN US	1
		ONE PARENT BORN IN US	2
		NEITHER PARENT BORN IN US	3

[Q224A]

IF NATIVITY = 0,

ASK: 225 How old were you when you first came to live in the United States? _____ YEARS

THERE IS NO Q226 OR Q227

IF LANGUAGE OF INTERVIEW IS ENGLISH, ASK:

228. What language do you speak most often at home?	ENGLISH	1
	SPANISH	2
	CANTONESE/MANDARIN	
	3	KOREAN
	4
	VIETNAMESE	
	5	
	TAGALOG	6
	JAPANESE	7
	OTHER (SPECIFY)	8
	[Q228_OTHER_SPECIFY]	

229. Now, we don't need to know exactly, but just roughly Less than \$20,000 1 could you tell me if your annual household income from \$20,000 TO \$40,000 2 all sources before taxes in [2021/2022] was . . . ? \$40,000 TO \$65,000 3 \$65,000 TO \$100,000 4 \$100,000 TO \$150,000 5
\$150,000 TO \$200,000 6
\$200,000 or more 7

[Q229]

230. Was your total annual income before taxes, less than or more than _____?

[Q230]

IF Q229=1 AND Q209=1 INSERT \$16,988 IF Q229=3 AND Q209 = 8 INSERT \$58,288 IF Q229=2
AND Q209=2 INSERT \$22,888 IF Q229=3 AND Q209 = 9 INSERT \$64,188
IF Q229=2 AND Q209=3 INSERT \$28,788 IF Q229=4 AND Q209=10 INSERT \$70,088
IF Q229=2 AND Q209=4 INSERT \$34,688 IF Q229=4 AND Q209=11 INSERT \$75,988
IF Q229=3 AND Q209=5 INSERT \$40,588 IF Q229=4 AND Q209=12 INSERT \$81,888
IF Q229=3 AND Q209=6 INSERT \$46,488 IF Q229=4 AND Q209=13 INSERT \$87,788
IF Q229= 3 AND Q209=7 INSERT \$52,388 IF Q229=4 AND Q209=14 INSERT \$93,688

[POVERTY] – 125% FEDERAL POVERTY LEVEL (FPL) BASED ON HOUSEHOLD SIZE AND HOUSEHOLD INCOME

AT OR BELOW 125% FPL.....1 ABOVE 125% FPL0

IF CURRENTLY EMPLOYED OR WORKED IN PAST THREE YEARS (CURR_EMP = 1, OR Q015 = 1, 2), ASK:

231. Thinking now of your own individual earnings from all your jobs or work in [2021/2022], which of the following categories best describes the amount you made?
Less than \$20,000 1
\$20,000 TO \$40,000 2
\$40,000 TO \$65,000 3
\$65,000 TO \$100,000 4
\$100,000 TO \$150,000 5
\$150,000 TO \$200,000 6
\$200,000 or more 7
DID NOT WORK THAT YEAR.....8

[Q231]

231a. Are you earning more, less, or about the same as you were one year ago (from all your jobs)?	MORE	1
	LESS	2
	ABOUT THE SAME	3

[Q231A]

IF RESPONDENT LIVES WITH OTHERS (Q209 > 1), ASK:

231b.	In [2021/2022], did your household income include earning your spouse or other household members received from their work?	YES 1
		NO 0

[Q231B]

231c. Did your total household income in [2021/2022] YES 1 include money from other sources, such as NO 0 pension or social security, unemployment, [Q231C] government programs, disability insurance payments or rental income?

IF RESPONDENT'S HOUSEHOLD INCOME INCLUDED MONEY FROM OTHER SOURCES (Q231C = 1), ASK:

232. Which other sources of income did you have in [2021/2022] ?

[Q232_A-K]

	<u>YES</u>	<u>NO</u>
a. Social Security retirement	1	0
b. A pension or other retirement benefit	1	0
c. Social Security Disability Insurance or SSDI	1	0
d. Supplemental Security Income or SSI	1	0
e. Temporary assistance for needy families or TANF (tan-if) program	1	0
f. Unemployment benefits	1	0
g. Worker's compensation	1	0
h. California State Disability insurance	1	0
disability insurance	1	0
i. Private property	1	0
j. Income from rental property	1	0
k. Any other source (specify) _____ 1	0
	[Q232_K_SPECIFY]	

234 Did you receive benefits from any of the following sources in [2021/2022] ?

[Q234_A-D]

YES NO

a. Assistance with food expenses from the SNAP program (sometimes called "food stamps")	1 ... 0
b. Free meals or food from a food bank or other sources	1 0
c. COVID-19 cash payments to anyone in your household	1 0

d. Other COVID-19 relief programs, such as help with housing costs, medical care bills, or student loan payments 1 0

235. Do you own or rent your home? OWN 1 SKIP TO 236
[q235] RENT 2 SKIP TO 236
 OTHER (SPECIFY) 3 GO TO 235A
[Q235_OTHER_SPECIFY]

IF RESPONDENT DOES NOT OWN OR RENT THEIR HOUSING (Q235 = 3), ASK:

235a. Do you currently have a permanent place to live? YES
 1 **[Q235A]** NO 0

236. How difficult is it for you to live on your total household income right now -- not at all difficult, somewhat difficult, difficult, very difficult or extremely difficult? NOT AT ALL DIFFICULT 1
 SOMEWHAT DIFFICULT 2
 DIFFICULT 3
 VERY DIFFICULT 4
 EXTREMELY DIFFICULT 5
[Q236]

237. Could you come up with \$400 if an unexpected need arose within the next month? YES 1
 NO 0
[Q237]

238. Is it likely that you and your family will experience actual hardships such as inadequate housing, food, or medical attention in the next two months? YES 1
 NO 0
[Q238]

THERE IS NO Q239 OR Q240

241a. In what county do you live?

[Q241a]

ALAMEDA	01	*INYO	14	MONTEREY	27	SAN LUIS OBISPO	40	53
02	KERN	15	NAPA	28	SAN MATEO	41	54	03
.....	16	NEVADA	29	42	55			
BUTTE	04	LAKE	17	30	43	56		
*CALAVERAS	05	18	31	44	57			
06	LOS ANGELES	19	32	45	58			
CONTRA COSTA	07	20	33	46	99			
*DEL NORTE	08	21	34	47				
EL DORADO	09	22	35	48				
FRESNO	10	23	36	49				
*GLENN	11	24	37	50	12			
.....	25	38	51					
IMPERIAL	13	26	39	52				

NOTE: COUNTIES WITH 0-10 RESPONDENTS (DENOTED WITH ASTERISKS*) ARE RECODED TO 99 IN THE PUBLIC RELEASE DATASET.

241b. In what city do you live?

[Q241B]**

[THE REMAINDER OF QUESTIONS COLLECT CONTACT INFORMATION, NOT INCLUDED IN THE DATASET].

Thank you very much for your time and opinions.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
Survey Administration Items					
	serial	Serial number	numeric		
	id	ID	text		
	path	Delivery method	path	1 Phone, 2 Web	
	language	Survey language	surveylanguage	1 English, 2 Spanish	
	loi	Length of interview (minutes)	numeric		
	prepaid_indicator	Prepaid Indicator Variable	yes_no	0 No, 1 Yes	
	weight	Weight	numeric		
	weight_pop	Population Weight	numeric		<p>The population weight represents the survey weight, expanded to use our sample of 4014 respondents as representative of the entire population of California.</p> <p>Formula: weight/(sum of weights/sum of population weights)</p> <p>Formula with numbers: weight/(4014/26831090) = weight/.000149603</p>
	missing_percent	Percent responses DK/REF	numeric		Calculates the percent of questions that the respondent was asked that they didn't know how to answer or refused to answer. Variable is rounded to a whole number.
Initial Screening Questions					
	a1a	Age	numeric		
	a1b	Age category	agecategory	1 18-20, 2 21-24, 3 25-29, 4 30-39, 5 4044, 6 45-49, 7 50-59, 8 60-64, 9 65-70	
	a1c	Gender	gender	1 Male, 2 Female, 3 Transgender male, 4 Transgender female, 5 Nonbinary	
Summary Employment Variables					
	anymonth	Working in past month or past week	yes_no	0 No, 1 Yes	Respondent filled out 30-day and/or first 7-day job battery if = 1
	curr_emp	Currently employed?	yes_no	0 No, 1 Yes	Calculated variables for employed in past week. Defined as: q001 = 1 , or q001a == 1, 2 or 3, or q002 = 1.

	monthempstatus	Detailed Employment Status in month/week (categorical)	mes	0 Unemployed, 1 Single, seven-day job, 2 Multiple jobs in past seven days, 3 Single job past month, no job past week, 4 Multiple jobs past month, no job past week, 5 Job in past week and additional job in past month	Constructed using curr_emp, curr2_emp, thirtyday, and q100a.
	thirtyday	Filled out 30-day job battery	yes_no		Respondent filled out the 30-day job battery if = 1
	missingemployedflag	Currently employed but did not completed job battery	flagged	0 No, 1 Yes	Variable = 1 if respondent is currently employed but we missed their job battery information because of a skip pattern mistake.
Employment Questions					

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q001	Employment last week	work	1 Working, 2 Not at work, but had a job, 3 Looking for work, 4 Keeping house, 5 Going to school, 6 Unable to work, 7 Retired, 8 Other (specify), 9 Vacation but have a job, 10 Sick but have a job, 11 Caregiver for a family member, 12 Both work and school equally	
	q001_other_specify	Employment status other, specify	text		
	q001a	Main reason not at work	notworkreason	1 On vacation, 2 Illness/bad weather/labor dispute, 3 Issues with childcare, 4 Temporary lay-off, 5 Indefinite lay-off, 6 About to start a new job in the next 30 days, 7 Some other reason	
	q002	Any work last week	yes_no		
	q003	One job last week	numjobs	1 Only one job, 2 More than one job	
	q004	Number of jobs last week	numeric		
	q005	Hours worked last week	numeric		
	q006	Usually work 35 hours or more	yes_no		
	q008	Prefer to work full time	yes_no		
	q009	Weeks ago laid off	numeric		

	q010	Looking for work past 4 weeks	yes_no		
	q011	Weeks looking for work	numeric		
	q013	Want regular job now	yes_no		
	q014	Will look for work in next 12 mos	yes_no		
	q015	Years since last worked	lastworked	0 Currently employed, 1 1 year ago or less, 2 1-3 years, 3 3+ years, 4 Never Worked	
	q016	Weeks worked last 12 mos	numeric		
	q017	Hrs per week last 12 mos	numeric		
First Job Battery (main job worked in past 7 days)					
	q018	JOB 1: Occupation	text		
	q018_code	JOB 1: full SOC code	numeric		Up to 6-digit Standard Occupational Classification (SOC) code based on text response.
	q018_2dig	JOB 1: SOC code first two digits	numeric		First 2 digits of assigned SOC code.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q018_3dig	JOB 1: SOC code first three digits	numeric		First 3 digits of assigned SOC code.
	q019yrs	JOB 1: Years in current occupation	numeric		If response was < 1 year, length of time in months is recorded in this variable as a fraction of a year (i.e., .08 = 1 month, or 1/12 of a year)
	q020	JOB 1: Industry	text		
	q020_code	JOB 1: full NAICS code	numeric		Up to 6-digit North American Industry Classification System (NAICS) code based on text response.
	q020_2dig	JOB 1: NAICS code first two digits	numeric		First 2 digits of assigned NAICS code.
	q020_3dig	JOB 1: NAICS code first three digits	numeric		First 3 digits of assigned NAICS code.
	q021yrs	JOB 1: Years at company	numeric		If response was < 1 year, length of time in months is recorded in this variable as a fraction of a year (i.e., .08 = 1 month, or 1/12 of a year)
	q022	JOB 1: Promotion in last 12 mos	yes_no		
	q023	JOB 1: New job improvement in pay	yes_no		

	q024	JOB 1: Self-employed?	selfemploy	0 Work for someone else, 1 Selfemployed	
	q025	JOB 1: Self-employed: independent contractor	indcontractor	1 Independent contractor/consultant/freelancer, 2 Something else	
	q026	JOB 1: Employee of own business/farm	yes_no		
	q026a	JOB 1: Employee: independent contractor	yes_no		
	q027	JOB 1: Employee: one company or multiple	numemployer	1 Only one, 2 More than one, One employer, multiple customers	
	q028	JOB 1: Do app-based work?	yes_no		
	q028a	JOB 1: name of appbased company?	yes_no		
	q028ai_amazon_flex	JOB 1: Amazon Flex	yes_no		
	q028ai_angi	JOB 1: Angi	yes_no		
	q028ai_caviar	JOB 1: Caviar	yes_no		
	q028ai_doordash	JOB 1: DoorDash	yes_no		
	q028ai_grubhub	JOB 1: Grubhub	yes_no		
	q028ai_hitch	JOB 1: Hitch	yes_no		
	q028ai_hopskipdrive	JOB 1: HopSkipDrive	yes_no		
	q028ai_instacart	JOB 1: Instacart	yes_no		
	q028ai_lyft	JOB 1: Lyft	yes_no		
	q028ai_other	JOB 1: Other	yes_no		
	q028ai_other_specify	JOB 1: Other app company name	text		
	q028ai_postmates	JOB 1: Postmates	yes_no		
	q028ai_rover	JOB 1: Rover	yes_no		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q028ai_shipt	JOB 1: Shipt	yes_no		
	q028ai_taskrabbit	JOB 1: TaskRabbit	yes_no		
	q028ai_thumtack	JOB 1: Thumbtack	yes_no		
	q028ai_uber	JOB 1: Uber	yes_no		
	q028ai_uber_eats	JOB 1: Uber Eats	yes_no		
	q028ai_rideshare	JOB 1: rideshare app	yes_no		Respondent uses an app in their main 7-day job like Uber or Lyft to provide rides to customers, each ride arranged through the app. Accepted app names include: Hopskipdrive, Uber, Lyft.

	q028ai_personal	JOB 1: personal services app	yes_no		Respondent uses an app in their main 7-day job to provide personal services related to health, home care, childcare, or pet care to their customers. Accepted app names include: Rover, CareRev, Gento, Papa Pal, Wag!, Wyzant.com, Zell, Care.com, Tutors.com, Superprof.
	q028ai_oddjob	JOB 1: oddjob app	yes_no		Respondent uses an app in their main 7-day job to find one-time roles providing customers with services such as home repair, manual labor, etc. Accepted app names include: Angi, Taskrabbit, Thumbtack, Angi, Fiverr, The Bash, GigSalad, Househappy, RDCL, Upwork, Workwhile.
	q028ai_entertainment	JOB 1: entertainment app	yes_no		Respondent uses an app in their main 7-day job to arrange solo entertainment gigs (i.e. birthday party entertainer), or gig jobs in the entertainment industry (food service, movie/film set gigs, etc.) Accepted app names include: Booked Talent, Everyset, Field Agent, Mandy.com, Backstage.com, Newbook, Qwick, Wrapbook.
	q028ai_delivery	JOB 1: delivery app	yes_no		Respondent uses an app in their main 7-day job like Uber Eats, Grubhub, or Amazon Flex to deliver food, groceries, or packages. Accepted app names include: Amazon Flex, Caviar, DoorDash, Grubhub, Instacart, Postmates, Shipt, Uber Eats, Spark Driver.
	q028ai_assorted	JOB 1: assorted app	yes_no		Respondent uses an app in their main 7-day job that meets the BLS definition of "app work" but doesn't fit into any of the other categories. Accepted app names include: Branded, Surveyjunkie, Tellwut.
	q029	JOB 1: payment method	formpayment	1 Traditional paycheck/direct deposit, 2 Personal check, 3 Electronic payment service, 4 Cash, 5 Prepaid debit card	
	q029a	JOB 1: hourly or a fixed salary	hourlysalary	1 Hours worked, 2 Fixed salary	
	q029a1	JOB 1: bonuses, tips, or commissions	yes_no		
	q029b	JOB 1: paid piece rate	yes_no		
	q030	JOB 1: employer deductions	yes_no		
	q031	JOB 1: Income tax form	taxform	1 W2, 2 1099, 3 Neither	
	q032	JOB 1: unpaid work	yes_no		
	q033a	JOB 1: who decides how work is done	workdecision	1 You/worker decide, 2 Company decides	
	q033b	JOB 1: product/service company provides	text		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
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	q033b_indcode	JOB 1: full NAICS code for self-employed	numeric		
	q033b_indcode_2dig	JOB 1: NAICS code first two digits for self-employed	numeric		
	q033b_indcode_3dig	JOB 1: NAICS code first three digits for self-employed	numeric		
	q033c	JOB 1: in business for themselves	yes_no		
	q034	JOB 1: can choose to stay at current job	yes_no		
	q035	JOB 1: expect job to end in next 12 mos	yes_no		
	q036	JOB 1: temp. employment agency	yes_no		
	q037	JOB 1: company contracts services out	yes_no		Corrected responses to q037, editing process described in narrative documentation.
	q038	JOB 1: Size of firm	firmsize	1 <10, 2 10-99, 3 100-1000, 4 >1000	
	q039	JOB 1: Work schedule	shiftsched	1 Regular daytime schedule, 2 Regular evening shift, 3 Regular nighttime shift, 4 Rotating shift, 5 Split shift, 6 Variable shift	
	q040_old	JOB 1: On call work (original values, do not use for analysis)	yes_no		
	q040a	JOB 1: On call work past week	yes_no		
	q040a_flag	JOB 1: On call work Q response imputed?	yes_no		
	q041	JOB 1: Overtime work	yes_no		
	q042	JOB 1: Flexible hours	yes_no		
	q043	JOB 1: Supervise others	yes_no		
	q044	JOB 1: Work at home	wfh	1 Agree Strongly, 2 Agree somewhat, 3 Disagree somewhat, 4 Disagree strongly	
	q047	JOB 1: Days paid sick leave	numeric		
	q047_unlimited	JOB 1: unlimited paid sick leave	yes_no		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q048_a	JOB 1: requires learn new things	job_experience	1 Agree Strongly, 2 Agree somewhat, 3 Disagree somewhat, 4 Disagree strongly	Q048_a through q048_h are derived from the Job Characteristics Questionnaire (JCQ). Citation here: Karasek, R., Brisson, C., Kawakami, N., Houtman, I., Bongers, P., & Amick, B. (1998). The Job Content Questionnaire (JCQ): An instrument for internationally comparative assessments of psychosocial job characteristics. <i>Journal of Occupational Health Psychology</i> , 3(4), 322–355. https://doi.org/10.1037/10768998.3.4.322
	q048_b	JOB 1: little freedom over work	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q048_c	JOB 1: allows independent decisions	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q048_d	JOB 1: enough time to finish work	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q048_e	JOB 1: very fast without breaks	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q048_f	JOB 1: work speed monitored	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q048_g	JOB 1: fear job loss if too slow	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q048_h	JOB 1: fear job loss if take break	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q050_a	JOB 1: requires walking?	occhealthass	1 A lot, 2 Sometimes, 3 Not at all	
	q050_b	JOB 1: Use stairs or inclines?	occhealthass		
	q050_c	JOB 1: Stand for four+ hours?	occhealthass		
	q050_d	JOB 1: Sit for long periods?	occhealthass		
	q050_e	JOB 1: Stoop, crouch or kneel?	occhealthass		
	q050_f	JOB 1: Bend over or twist around?	occhealthass		
	q050_g	JOB 1: Lift or carry up to 50 lbs?	occhealthass		
	q050_h	JOB 1: Lift or carry weights up to 10 lbs?	occhealthass		
	q050_i	JOB 1: Repeat a hand motion?	occhealthass		

	q050_j	JOB 1: Pinch or grasp items or tools?	occhealthass		
	q050_k	JOB 1: Use vibrating/power tools?	occhealthass		
	q050_l	JOB 1: Ride in vehicle?	occhealthass		
	q050_m	JOB 1: Use computers/devices?	occhealthass		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q050_n	JOB 1: Concentrate for long periods?	occhealthass		
	q050_o	JOB 1: Interact with other people?	occhealthass		
	q051	JOB 1: Level of schooling required	reqschool	1 High school, 2 Associate's degree or vocational school, 3 Bachelor's degree, 4 Graduate or professional degree	
	q053_a	JOB 1: Bullying by supervisor	bully_respect	-8 Not Applicable, 1 Never, 2 Occasionally, 3 Frequently	
	q053_b	JOB 1: Bullying by coworkers	bully_respect		
	q053_c	JOB 1: Bullying by customers	bully_respect		
	q054_a	JOB 1: Respected by supervisor	bully_respect		
	q054_b	JOB 1: Respected by coworkers	bully_respect		
	q054_c	JOB 1: Respected by customers	bully_respect		
	q055	JOB 1: Union contract	yes_no		
	q057	JOB 1: job offers health insurance	yes_no		
	q057a	JOB 1: has job health insurance	yes_no		
	q058	JOB 1: Pension plan through job	yes_no		
Second Job Battery (2nd job worked in past 7 days)					
	q059	JOB 2: Occupation	text		

	q059_code	JOB 2: full SOC code	numeric		Up to 6-digit Standard Occupational Classification (SOC) code based on text response.
	q059_2dig	JOB 2: SOC code first two digits	numeric		First 2 digits of assigned SOC code.
	q059_3dig	JOB 2: SOC code first three digits	numeric		First 3 digits of assigned SOC code.
	q060yrs	JOB 2: Years in current occupation	numeric		If response was < 1 year, length of time in months is recorded in this variable as a fraction of a year (i.e., .08 = 1 month, or 1/12 of a year)
	q061	JOB 2: Industry	text		
	q061_code	JOB 2: full NAICS code	numeric		Up to 6-digit North American Industry Classification System (NAICS) code based on text response.
	q061_2dig	JOB 2: NAICS code first two digits	numeric		First 2 digits of assigned NAICS code.
	q061_3dig	JOB 2: NAICS code first three digits	numeric		First 3 digits of assigned NAICS code.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q061yrs	JOB 2: Years at company	numeric		If response was < 1 year, length of time in months is recorded in this variable as a fraction of a year (i.e., .08 = 1 month, or 1/12 of a year)
	q065	JOB 2: Self-employed?	selfemploy	0 Work for someone else, 1 Selfemployed	
	q066	JOB 2: Self-employed: independent contractor	indcontractor	1 Independent contractor/consultant/freelancer, 2 Something else	
	q067	JOB 2: Employee of own business/farm	yes_no		
	q067a	JOB 2: Employee: independent contractor	yes_no		
	q068	JOB 2: Employee: one company or multiple	numemployer	1 Only one, 2 More than one, One employer, multiple customers	
	q069	JOB 2: Do app-based work?	yes_no		
	q069a	JOB 2: name of appbased company?	yes_no		
	q069ai_amazon flex	JOB 2: Amazon Flex	yes_no		
	q069ai_angi	JOB 2: Angi	yes_no		
	q069ai_caviar	JOB 2: Caviar	yes_no		
	q069ai_doodash	JOB 2: DoorDash	yes_no		
	q069ai_grubhub	JOB 2: Grubhub	yes_no		
	q069ai_hitch	JOB 2: Hitch	yes_no		

	q069ai_hopskipdrive	JOB 2: HopSkipDrive	yes_no		
	q069ai_instacart	JOB 2: Instacart	yes_no		
	q069ai_lyft	JOB 2: Lyft	yes_no		
	q069ai_other	JOB 2: Other	yes_no		
	q069ai_other_specify	JOB 2: Other app company name	text		
	q069ai_postmates	JOB 2: Postmates	yes_no		
	q069ai_rover	JOB 2: Rover	yes_no		
	q069ai_shipt	JOB 2: Shipt	yes_no		
	q069ai_taskrabbit	JOB 2: TaskRabbit	yes_no		
	q069ai_thumtack	JOB 2: Thumbtack	yes_no		
	q069ai_uber	JOB 2: Uber	yes_no		
	q069ai_uber_eats	JOB 2: Uber Eats	yes_no		
	q069ai_rideshare	JOB 2: rideshare app	yes_no		Respondent uses an app in their second 7-day job like Uber or Lyft to provide rides to customers, each ride arranged through the app. Accepted app names include: Hopskipdrive, Uber, Lyft.
	q069ai_personal	JOB 2: personal services app	yes_no		Respondent uses an app in their second 7-day job to provide personal services related to health, home care, childcare, or pet care to their customers. Accepted app names include: Rover, CareRev, Gento, Papa Pal, Wag!, Wyzant.com, Zell, Care.com, Tutors.com, Superprof.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q069ai_oddjob	JOB 2: oddjob app	yes_no		Respondent uses an app in their second 7-day job to find one-time roles providing customers with services such as home repair, manual labor, etc. Accepted app names include: Angi, Taskrabbit, Thumbtack, Angi, Fiverr, The Bash, GigSalad, Househappy, RDCL, Upwork, Workwhile.
	q069ai_entertainment	JOB 2: entertainment app	yes_no		Respondent uses an app in their second 7-day job to arrange solo entertainment gigs (i.e. birthday party entertainer), or gig jobs in the entertainment industry (food service, movie/film set gigs, etc.) Accepted app names include: Booked Talent, Everyset, Field Agent, Mandy.com, Backstage.com, Newbook, Qwick, Wrapbook.
	q069ai_delivery	JOB 2: delivery app	yes_no		Respondent uses an app in their second 7-day job like Uber Eats, Grubhub, or Amazon Flex to deliver food, groceries, or packages. Accepted app names include: Amazon Flex, Caviar, DoorDash, Grubhub, Instacart, Postmates, Shipt, Uber Eats, Spark Driver.
	q069ai_assorted	JOB 2: assorted app	yes_no		Respondent uses an app in their second 7-day job that meets the BLS definition of "app work" but doesn't fit into any of the other categories. Accepted app names include: Branded, Surveyjunkie, Tellwut.

	q070a1	JOB 2: bonuses, tips, or commissions	yes_no		
	q071	JOB 2: employer deductions	yes_no		
	q072	JOB 2: income tax form	taxform	1 W2, 2 1099, 3 Neither	
	q073	JOB 2: unpaid work	yes_no		
	q074a	JOB 2: who decides how work is done	workdecision	1 You/worker decide, 2 Company decides	
	q074b	JOB 2: product/service company provides	text		
	q074b_indcode	JOB 2: full NAICS code for self-employed	numeric		
	q074b_indcode_2dig	JOB 2: NAICS code first two digits for self-employed	numeric		
	q074b_indcode_3dig	JOB 2: NAICS code first three digits for self-employed	numeric		
	q074c	JOB 2: in business for themselves	yes_no		
	q075	JOB 2: can choose to stay at current job	yes_no		
	q076	JOB 2: expect job to end in next 12 mos	yes_no		
	q077	JOB 2: temp. employment agency	yes_no		
	q078	JOB 2: company contracts services out	yes_no		Corrected responses to q078, editing process described in narrative documentation.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q080	JOB 2: Work schedule	shiftsched	1 Regular daytime schedule, 2 Regular evening shift, 3 Regular nighttime shift, 4 Rotating shift, 5 Split shift, 6 Variable shift	
	q081_old	JOB 2: On call work (original values, do not use for analysis)	yes_no		
	q081a	JOB 2: On call work past week (imputed)	yes_no		
	q081a_flag	JOB 2: On call work Q response imputed?	yes_no		

	q082	JOB 2: Overtime work	yes_no		
	q096	JOB 2: Union contract	yes_no		
	q098	JOB 2: job offers health insurance	yes_no		
	q098a	JOB 2: has job health insurance	yes_no		
	q099	JOB 2: Pension plan through job	yes_no		
Employment in past 30 days					
	q100	Any (other) work past month?	yes_no		
	q100a	Number jobs past month	numeric		
	q101	Income from other jobs	secondjobincome	-8 NOT APPLICABLE, 1 It is essential for meeting my basic needs, 2 It is helpful, but not essential, 3 I could live comfortably without it	
	q101a	Prefer to have 1 job	yes_no		
30 day Job Battery					
	q102	30-day job: Occupation	text		
	q102_code	30-day job: full SOC code	numeric		Up to 6-digit Standard Occupational Classification (SOC) code based on text response.
	q102_2dig	30-day job: SOC code first two digits	numeric		First 2 digits of assigned SOC code.
	q102_3dig	30-day job: SOC code first three digits	numeric		First 3 digits of assigned SOC code.
	q103yrs	30-day job: Years in current occupation	numeric		If response was < 1 year, length of time in months is recorded in this variable as a fraction of a year (i.e., .08 = 1 month, or 1/12 of a year)
	q104	30-day job: Industry	text		
	q104_code	30-day job: full NAICS code	numeric		Up to 6-digit North American Industry Classification System (NAICS) code based on text response.
	q104_2dig	30-day job: NAICS code first two digits	numeric		First 2 digits of assigned NAICS code.
	q104_3dig	30-day job: NAICS code first three digits	numeric		First 3 digits of assigned NAICS code.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q105yrs	30-day job: Years at company	numeric		If response was < 1 year, length of time in months is recorded in this variable as a fraction of a year (i.e., .08 = 1 month, or 1/12 of a year)

	q106	30-day job: Promotion in last 12 mos	yes_no		
	q107	30-day job: New job improvement in pay	yes_no		
	q108	30-day job: Selfemployed?	selfemploy	0 Work for someone else, 1 Selfemployed	
	q109	30-day job: Selfemployed: independent contractor	indcontractor	1 Independent contractor/consultant/freelancer, 2 Something else	
	q110	30-day job: Employee of own business/farm	yes_no		
	q110a	30-day job: Employee: independent contractor	yes_no		
	q111	30-day job: Employee: one company or multiple	numemployer	1 Only one, 2 More than one, 3 One employer, multiple customers	
	q112	30-day job: Do appbased work?	yes_no		
	q112a	30-day job: name of appbased company?	yes_no		
	q112ai_amazon_flex	30-day job: Amazon Flex	yes_no		
	q112ai_angi	30-day job: Angi	yes_no		
	q112ai_caviar	30-day job: Caviar	yes_no		
	q112ai_dooddash	30-day job: DoorDash	yes_no		
	q112ai_grubhub	30-day job: Grubhub	yes_no		
	q112ai_hitch	30-day job: Hitch	yes_no		
	q112ai_hopskipdrive	30-day job: HopSkipDrive	yes_no		
	q112ai_instacart	30-day job: Instacart	yes_no		
	q112ai_lyft	30-day job: Lyft	yes_no		
	q112ai_other	30-day job: Other	yes_no		
	q112ai_other_specify	30-day job: Other app company name	text		
	q112ai_postmates	30-day job: Postmates	yes_no		
	q112ai_rover	30-day job: Rover	yes_no		
	q112ai_shipt	30-day job: Shipt	yes_no		
	q112ai_taskrabbit	30-day job: TaskRabbit	yes_no		
	q112ai_thumbtack	30-day job: Thumbtack	yes_no		
	q112ai_uber	30-day job: Uber	yes_no		
	q112ai_uber_eats	30-day job: Uber Eats	yes_no		

	q112ai_rideshare	30-day job: rideshare app	yes_no		Respondent uses an app in their 30-day job like Uber or Lyft to provide rides to customers, each ride arranged through the app. Accepted app names include: Hopskipdrive, Uber, Lyft.
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Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q112ai_personal	30-day job: personal services app	yes_no		Respondent uses an app in their 30-day job to provide personal services related to health, home care, childcare, or pet care to their customers. Accepted app names include: Rover, CareRev, Gento, Papa Pal, Wag!, Wyzant.com, Zell, Care.com, Tutors.com, Superprof.
	q112ai_oddjob	30-day job: oddjob app	yes_no		Respondent uses an app in their 30-day job to find one-time roles providing customers with services such as home repair, manual labor, etc. Accepted app names include: Angi, Taskrabbit, Thumbtack, Angi, Fiverr, The Bash, GigSalad, Househappy, RDCL, Upwork, Workwhile.
	q112ai_entertainment	30-day job: entertainment app	yes_no		Respondent uses an app in their 30-day job to arrange solo entertainment gigs (i.e. birthday party entertainer), or gig jobs in the entertainment industry (food service, movie/film set gigs, etc.) Accepted app names include: Booked Talent, Everyset, Field Agent, Mandy.com, Backstage.com, Newbook, Qwick, Wrapbook.
	q112ai_delivery	30-day job: delivery app	yes_no		Respondent uses an app in their 30-day job like Uber Eats, Grubhub, or Amazon Flex to deliver food, groceries, or packages. Accepted app names include: Amazon Flex, Caviar, DoorDash, Grubhub, Instacart, Postmates, Shipt, Uber Eats, Spark Driver.
	q112ai_assorted	30-day job: assorted app	yes_no		Respondent uses an app in their 30-day job that meets the BLS definition of "app work" but doesn't fit into any of the other categories. Accepted app names include: Branded, Surveyjunkie, Tellwut.
	q113	30-day job: payment method	formpayment	1 Traditional paycheck/direct deposit, 2 Personal check, 3 Electronic payment service, 4 Cash, 5 Prepaid debit card	
	q113a	30-day job: hourly or a fixed salary	hourlysalary	1 Hours worked, 2 Fixed salary	
	q113a1	30-day job: bonuses, tips, or commissions	yes_no		
	q113b	30-day job: paid piece rate	yes_no		
	q114	30-day job: employer deductions	yes_no		
	q115	30-day job: income tax form	taxform	1 W2, 2 1099, 3 Neither	
	q116	30-day job: unpaid work	yes_no		

	q117a	30-day job: who decides how work is done	workdecision	1 You/worker decide, 2 Company decides	
	q117b	30-day job: product/service company provides	text		
	q117b_indcode	30-day job: full NAICS code for self-employed	numeric		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q117b_indcode_2dig	30-day job: NAICS code first two digits for selfemp.	numeric		
	q117b_indcode_3dig	30-day job: NAICS code first three digits for selfemp.	numeric		
	q117c	30-day job: in business for themselves	yes_no		
	q118	30-day job: can choose to stay at current job	yes_no		
	q119	30-day job: expect job to end in next 12 mos	yes_no		
	q120	30-day job: temp. employment agency	yes_no		
	q121	30-day job: company contracts services out	yes_no		Corrected responses to q121, editing process described in narrative documentation.
	q122	30-day job: Size of firm	firmsize	1 <10, 2 10-99, 3 100-1000, 4 >1000	
	q123	30-day job: Work schedule	shiftsched	1 Regular daytime schedule, 2 Regular evening shift, 3 Regular nighttime shift, 4 Rotating shift, 5 Split shift, 6 Variable shift	
	q124_old	30-day job: On call work (original values, do not use for analysis)	yes_no		
	q124a	30-day job: On call work past week (imputed)	yes_no		
	q124a_flag	30-day job: On call work Q response imputed?	yes_no		

	q125	30-day job: Overtime work	yes_no		
	q126	30-day job: Flexible hours	yes_no		
	q127	30-day job: Supervise others	yes_no		
	q128	30-day job: Work at home	wfh	1 All of the time, 2 Some of the time, 3 None of the time	
	q131	30-day job: Days paid sick leave	numeric		
	q131_unlimited	30-day job: unlimited paid sick leave	yes_no		
	q132_a	30-day job: requires learn new things	job_experience	1 Agree Strongly, 2 Agree somewhat, 3 Disagree somewhat, 4 Disagree strongly	This variable was derived from the JCQ. See q048_a definition notes for citation.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q132_b	30-day job: little freedom over work	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q132_c	30-day job: allows independent decisions	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q132_d	30-day job: enough time to finish work	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q132_e	30-day job: very fast without breaks	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q132_f	30-day job: work speed monitored	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q132_g	30-day job: fear job loss if too slow	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q132_h	30-day job: fear job loss if take break	job_experience		This variable was derived from the JCQ. See q048_a definition notes for citation.
	q134_a	30-day job: requires walking?	occhealthass	1 A lot, 2 Sometimes, 3 Not at all	
	q134_b	30-day job: Use stairs or inclines?	occhealthass		
	q134_c	30-day job: Stand for four+ hours?	occhealthass		
	q134_d	30-day job: Sit for long periods?	occhealthass		

	q134_e	30-day job: Stoop, crouch or kneel?	occhealthass		
	q134_f	30-day job: Bend over or twist around?	occhealthass		
	q134_g	30-day job: Lift or carry up to 50 lbs?	occhealthass		
	q134_h	30-day job: Lift or carry up to 10 lbs?	occhealthass		
	q134_i	30-day job: Repeat a hand motion?	occhealthass		
	q134_j	30-day job: Pinch or grasp items or tools?	occhealthass		
	q134_k	30-day job: Use vibrating/power tools?	occhealthass		
	q134_l	30-day job: Ride in vehicle?	occhealthass		
	q134_m	30-day job: Use computers/devices?	occhealthass		
	q134_n	30-day job: Concentrate for long periods?	occhealthass		
	q134_o	30-day job: Interact with other people?	occhealthass		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q135	30-day job: Level of schooling required	reqschool	1 High school, 2 Associate's degree or vocational school, 3 Bachelor's degree, 4 Graduate or professional degree	
	q137_a	30-day job: Bullying by supervisor	bully_respect	-8 Not Applicable, 1 Never, 2 Occasionally, 3 Frequently	
	q137_b	30-day job: Bullying by coworkers	bully_respect		
	q137_c	30-day job: Bullying by customers	bully_respect		
	q138_a	30-day job: Respected by supervisor	bully_respect		
	q138_b	30-day job: Respected by coworkers	bully_respect		
	q138_c	30-day job: Respected by customers	bully_respect		

	q139	30-day job: Union contract	yes_no		
	q141	30-day job: job offers health insurance	yes_no		
	q141a	30-day job: has job health insurance	yes_no		
	q142	30-day job: job pension	yes_no		
Job History Questions					
	q143	Displaced: Lost a job within past 3yrs?	yes_no		
	q145	Displaced: Lost job was in past 12mos?	yes_no		
	q146yrs	Displaced: Yrs employed at lost job?	numeric		If response was < 1 year, response to q146yrs is recorded as 0.
	q147	Displaced: Worked since lost job?	yes_no		
	q150	Any other job longer than job(s) described?	yes_no		
	longjob	Which job is their longest?	longjob	1 first seven day, 2 second seven day, 3 thirty day, 4 some other job	This variable specifies which job the respondent held longest in their life. The other longest job variables have been filled with the respondent's answers to questions about that job.
	longlastyr	Year last worked at longest job	numeric		
	longyrs	Years worked at longest job	numeric		If response was < 1 year, length of time in months is recorded in this variable as a fraction of a year (i.e., .08 = 1 month, or 1/12 of a year).
	longocc_text	Longest Occupation	text		Text response from respondent about their occupation at their longest-held job.
	longocc_code	Longest Job: full SOC code	numeric		Up to 6-digit Standard Occupational Classification (SOC) code based on text response.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	longocc2dig	Longest Job: SOC code first two digits	numeric		First 2 digits of assigned SOC code.
	longocc3dig	Longest Job: SOC code first three digits	numeric		First 3 digits of assigned SOC code.
	longind_text	Longest Industry	text		Text response from respondent about the industry of their longest-held job.
	longind_code	Longest Job: full NAICS code	numeric		Up to 6-digit North American Industry Classification System (NAICS) code based on text response.

	longind2dig	Longest Job: NAICS code first two digits	numeric		First 2 digits of assigned NAICS code.
	longind3dig	Longest Job: NAICS code first three digits	numeric		First 3 digits of assigned NAICS code.
	q156	Age began working	numeric		
	q156_before_10	Began working <age 10	yes_no		
	q157	Consistent work	yes_no		
	q158	Number occasions without work	timesnowork	1 Once, 2 Twice, 3 Three or more times	
	q161	Any Discrimination?	yes_no		
	q161_age	Discrimination: Age	yes_no		
	q161_sex	Discrimination: Sex	yes_no		
	q161_gender	Discrimination: Gender	yes_no		
	q161_sexual_orientation	Discrimination: Sexual orientation	yes_no		
	q161_race	Discrimination: Race	yes_no		
	q161_religion	Discrimination: Religion	yes_no		
	q161_disability	Discrimination: Disability	yes_no		
	q163	Discrimination: Past 3 years	yes_no		
	q163a	Discrimination: career impact	yes_no		
Health Questions					
	q164	Health	health_social	1 Excellent, 2 Very Good, 3 Good, 4 Fair, 5 Poor	This question is part of the PROMIS® global physical and mental health scales. Citation: Hays, R. D., Schalet, B. D., Spritzer, K. L., & Cella, D. (2017). Twoitem PROMIS® global physical and mental health scales. <i>Journal of Patient-Reported Outcomes</i> , 1(1), 2.
	q166	Physical health	health_social	1 Excellent, 2 Very Good, 3 Good, 4 Fair, 5 Poor	This question is part of the PROMIS® global physical and mental health scales. See q164 definition notes for citation.
	q167	Mental health	health_social	1 Excellent, 2 Very Good, 3 Good, 4 Fair, 5 Poor	This question is part of the PROMIS® global physical and mental health scales. See q164 definition notes for citation.
	q168	Social satisfaction	health_social	1 Excellent, 2 Very Good, 3 Good, 4 Fair, 5 Poor	This question is part of the PROMIS® global physical and mental health scales. See q164 definition notes for citation.
	q171	Physical ability	physical_ability	1 Completely, 2 Mostly, 3 Moderately, 4 A little, 5 Not at all	This question is part of the PROMIS® global physical and mental health scales. See q164 definition notes for citation.

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q172	Emotional problems 7 days	emotional_state	1 Never, 2 Rarely, 3 Sometimes, 4 Often, 5 Always	This question is part of the PROMIS® global physical and mental health scales. See q164 definition notes for citation.
	q173	Pain 7 days	numeric		
	q175_a	Pain 12 mos: Neck or shoulder	numeric		
	q175_b	Pain 12 mos: Back or hip	numeric		
	q175_c	Pain 12 mos: Elbow, hand, wrist	numeric		
	q175_d	Pain 12 mos: Feet or knee	numeric		
	q175e	Pain interferes with activities	yes_no		
	q175f	Past 12 mos: Trouble breathing	yes_no		
	q175g	Past 12 mos: Numb, tingling, burning	yes_no		
	q176_a	Perceived stress: Control	stress_assessment	1 Almost never, 2 Sometimes, 3 Often, 4 Very Often	<p>This question was derived from a validated scale called the Perceived Stress Scale. Citation here: Cohen, S., Kamarck, T., & Mermelstein, R. (1983). A global measure of perceived stress. <i>Journal of Health and Social Behavior</i>, 24, 385-396.</p> <p>NOTE: The "Never" option was accidentally left out of the CWHS version of this question. Our method of scoring in order to make up for the accidental deletion is described in the Technical Documentation.</p>
	q176_b	Perceived stress: Difficulties	stress_assessment	1 Almost never, 2 Sometimes, 3 Often, 4 Very Often	This question is part of the Perceived Stress Scale. See q176_a definition notes for citation and note about scoring.
	q176_c	Perceived stress: Things going your way	stress_assessment	1 Almost never, 2 Sometimes, 3 Often, 4 Very Often	This question is part of the Perceived Stress Scale. See q176_a definition notes for citation and note about scoring.
	q176_d	Perceived stress: Confidence	stress_assessment	1 Almost never, 2 Sometimes, 3 Often, 4 Very Often	This question is part of the Perceived Stress Scale. See q176_a definition notes for citation and note about scoring.

	q178	Chronic condition	yes_no		<p>This question was originally used in the 2000 California Work and Health survey. It was based on questions in the NHIS questionnaire.</p> <p>Link to paper about 1999/2000 CWHS: https://www.bls.gov/opub/mlr/2003/05/art3full.pdf</p> <p>Citation for NHIS: National Center for Health Statistics. National Health Interview Survey, 2021. Public-use documentation, Social Functioning questions. https://www.cdc.gov/nchs/nhis/questionnairesdocumentation.htm. 2022. https://ftp.cdc.gov/pub/Health_Statistics/NCHS/Survey_Questionnaires/NHIS/2021/EnglishQuest.pdf</p>
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Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q179	Chronic condition: Limits activities	yes_no		This question is from the 2000 CWHS and was based on from the NHIS questionnaire. See definition notes for q178 for source citations.
	q179a	Chronic condition: Impedes work	yes_no		This question is from the 2000 CWHS and was based on from the NHIS questionnaire. See definition notes for q178 for source citations.
	q179b	Chronic condition: Limits kind of work	yes_no		This question is from the 2000 CWHS and was based on from the NHIS questionnaire. See definition notes for q178 for source citations.
	q180_a	Chronic: Hypertension	yes_no		Q180_a through q180_o are part of the Self-Administered Comorbidity Questionnaire (SCQ). Citation for validation study for the instrument is here: Sangha O, Stucki G, Liang MH, Fossel AH, Katz JN. The SelfAdministered Comorbidity Questionnaire: a new method to assess comorbidity for clinical and health services research. <i>Arthritis Rheum.</i> 2003 Apr 15;49(2):156-63. doi: 10.1002/art.10993. PMID: 12687505.
	q180_b	Chronic: Heart disease	yes_no		See q180_a definition notes.
	q180_c	Chronic: Diabetes	yes_no		See q180_a definition notes.
	q180_d	Chronic: Cancer	yes_no		See q180_a definition notes.
	q180_e	Chronic: Asthma	yes_no		See q180_a definition notes.
	q180_f	Chronic: Migraine	yes_no		See q180_a definition notes.
	q180_g	Chronic: lung disease	yes_no		See q180_a definition notes.
	q180_h	Chronic: Ulcer	yes_no		See q180_a definition notes.
	q180_i	Chronic: Kidney/bladder	yes_no		See q180_a definition notes.
	q180_j	Chronic: Back problems	yes_no		See q180_a definition notes.

	q180_k	Chronic: Repetitive strain injury	yes_no		See q180_a definition notes.
	q180_l	Chronic: Arthritis	yes_no		See q180_a definition notes.
	q180_m	Chronic: Thyroid	yes_no		See q180_a definition notes.
	q180_n	Chronic: visual impairment/blindness	yes_no		See q180_a definition notes.
	q180_o	Chronic: Hearing impairment/loss	yes_no		See q180_a definition notes.
	q181	OTJ injury past 12 mos	otj_injuries	0 No, 1 Yes one, 2 Yes more than one	
	q181a	OTJ injury: required medical attention	yes_no		
	q181b	OTJ injury: Reported	yes_no		
	q181c	OTJ injury: Workers comp	yes_no		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q184	Smoke: 100 cigarettes in lifetime	yes_no		<p>This question is from the CDC's Behavioral Risk Factor Surveillance System.</p> <p>Citation: Centers for Disease Control and Prevention (CDC). Behavioral Risk Factor Surveillance System Survey Questionnaire. Atlanta, Georgia: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, 2021.</p>
	q185	Smoke: Age started	numeric		This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q186	Smoke: current status	smokerfreq	1 Every day, 2 Some days, 3 Not at all	This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q187	Smoke: current smoker, cigs per day	numeric		This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q188	Smoke: Past 30 days	numeric		This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q189	Smoke: former smoker, cigs per day	numeric		This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q190	Smoke: Years	numeric		
	q190a	Smoke: e-cigarettes	smokerfreq	1 Every day, 2 Some days, 3 Not at all	This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	packyears	Pack/Years for Former&Current Smokers	numeric		Calculates the number of packs smoked per day (q187 or q189, divided by 20) times the number of years the respondent smoked (q185 or q190).

	q191	Alcohol: Any past month	yes_no		
	q192_month	Alcohol: Days per month	numeric		This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q193	Alcohol: Average drinks per occasion	numeric		This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q194	Alcohol: occurrence of binge drinking	numeric		This question is from the CDC's Behavioral Risk Factor Surveillance System. See q184 definition notes for citation.
	q195a	Physical activity: level	activitylevel	1 Seldom active, 2 Moderately active for at least 30 minutes, 3 or more times a week, 3 Vigorously active for at least 30 minutes, 3 or more times a week	Validation and reliability study: Gill, D.P., Jones, G.R., Zou, G. et al. Using a single question to assess physical activity in older adults: a reliability and validity study. BMC Med Res Methodol 12, 20 (2012). https://doi.org/10.1186/1471-2288-12-20
	q195b	Physical activity: 30 minutes per day	numeric		Validation and reliability study: Milton K, Bull FC, Bauman A Reliability and validity testing of a single-item physical activity measure. British Journal of Sports Medicine 2011;45:203-208.
	q196	Overnight patient past 12 mos	numeric		
	q197	Time since doctor's visit	drvisit	1 1 year or less, 2 1-3 years, 3 More than 3 years	
	q200	Health care coverage	yes_no		
	q201a	Health care coverage past 12 mos	yes_no		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
Demographic and Economic Questions					
	q205	Marital status	marital	1 Married, 2 Unmarried couple, 3 Separated/divorced, 4 Widowed, 5 Never married	
	q206	Education	schooling	1 Less than high school, 2 High school graduate, 3 2-year college/Associate degree, 4 Trade/vocational school degree, 5 Some college, no degree, 6 Bachelors degree/college, 7 Masters degree/doctoral degree/professional school degree	

	q207	Spouse's education	schooling	1 Less than high school, 2 High school graduate, 3 2-year college/Associate degree, 4 Trade/vocational school degree, 5 Some college, no degree, 6 Bachelors degree/college, 7 Masters degree/doctoral degree/professional school degree	
	q208a	Height: inches	numeric		
	q208b	Weight: lbs	numeric		
	bmi	BMI	numeric		Calculates BMI using respondent's height and weight variables (q208a & q208b). The BMI is rounded to 2 decimal places.
	q209	Household size	numeric		
	q210	Household adults	numeric		
	q211	Household children under 5	numeric		
	q212	Household children age 5-17	numeric		
	q213	Daily hrs caring for children	numeric		
	q214	Weekly hrs of childcare	numeric		
	q215	Daily hrs caring for adults	numeric		
	q216	Weekly hrs family care outside house	numeric		
	q216a	Paid for family caretaking	yes_no		
	q217	Number household working adults	numeric		
	q222_white	White/Caucasian	yes_no		
	q222_latino	Latino	yes_no		
	q222_asian	Asian	yes_no		
	q222_pacific_islander	Pacific Islander	yes_no		
	q222_black	Black/African American	yes_no		
	q222_amERICAN_inDIAN	American Indian	yes_no		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q222_alaska_native	Alaska Native	yes_no		
	q222_other	Other race	yes_no		
	q222_other_specify	Other race, specify	text		

	q222a	Hispanic origin	yes_no		
	q222b_mexico	Mexico	yes_no		
	q222b_argentina	Argentina	yes_no		
	q222b_bolivia	Bolivia	yes_no		
	q222b_chile	Chile	yes_no		
	q222b_columbia	Columbia	yes_no		
	q222b_costa_rica	Costa Rica	yes_no		
	q222b_cuba	Cuba	yes_no		
	q222b_dominican_republic	Dominican Republic	yes_no		
	q222b_ecuador	Ecuador	yes_no		
	q222b_el_salvador	El Salvador	yes_no		
	q222b_guatemala	Guatemala	yes_no		
	q222b_honduras	Honduras	yes_no		
	q222b_nicaragua	Nicaragua	yes_no		
	q222b_panama	Panama	yes_no		
	q222b_paraguay	Paraguay	yes_no		
	q222b_peru	Peru	yes_no		
	q222b_puerto_rico	Puerto Rico	yes_no		
	q222b_uruguay	Uruguay	yes_no		
	q222b_venezuela	Venezuela	yes_no		
	q222b_other	Other Latin American country	yes_no		
	q222b_other_specify	Other Latin American country name	text		
	q223_bangladesh	Bangladesh	yes_no		
	q223_bhutan	Bhutan	yes_no		
	q223_burma	Burma	yes_no		
	q223_cambodia	Cambodia	yes_no		
	q223_china	China	yes_no		
	q223_guam	Guam	yes_no		
	q223_hawaii	Hawaii	yes_no		
	q223_hmong	Hmong	yes_no		
	q223_india	India	yes_no		
	q223_indonesia	Indonesia	yes_no		
	q223_japan	Japan	yes_no		
	q223_korea	Korea	yes_no		
	q223_laos	Laos	yes_no		
	q223_malaysia	Malaysia	yes_no		

	q223_nepal	Nepal	yes_no		
	q223_pakistan	Pakistan	yes_no		
	q223_philippines	Philippines	yes_no		
	q223_samoa	Samoa	yes_no		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q223_sri_lanka	Sri Lanka	yes_no		
	q223_taiwan	Taiwan	yes_no		
	q223_thailand	Thailand	yes_no		
	q223_vietnam	Vietnam	yes_no		
	q223_other_asian	Other Asian country	yes_no		
	q223_other_pi	Other Pacific Island country	yes_no		
	q223_other_asian_specify	Other Asian country name	text		
	q223_other_pi_specify	Other Pacific Island country name	text		
	q224	Country of birth	birthcountry	1 United States, 2 Australia, 3 Brazil, 4 Canada, 5 China/Taiwan, 6 Columbia, 7 France, 8 Germany, 9 Great Britain, 10 Guatemala, 11 India, 12 Iran, 13 Ireland, 14 Italy, 15 Japan, 16 Korea, 17 Laos, 18 Mexico, 19 Nicaragua, 20 Pakistan, 21 Russia, 22 Other (please specify)	
	q224_other_specify	Country of birth, other specify	text		
	q224a	Parents born in U.S	parentbirthcountry	1 Both parents born in US, 2 One parent born in US, 3 Neither parent born in US	
	q225	Age began living in U.S	numeric		
	q228	Language spoken at home	homelanguage	1 English, 2 Spanish, 3 Cantonese/Mandarin, 4 Korean, 5 Vietnamese, 6 Tagalog, 7 Japanese, 8 Other (please specify)	
	q228_other_specify	Language spoken at home name	text		

	q229	Annual household income	houseincome	1 Less than \$20,000, 2 \$20,000 - \$39,999, 3 \$40,000 - \$64,999, 4 \$65,000 - \$99,999, 5 \$100,000 - \$149,999, 6 \$150,000 - \$199,999, 7 \$200,000 or more	
	q230	Household income: poverty level, interim variable only	povertylevel	1 Less, 2 More	<p>In this variable, respondents were asked if their income was greater or less than 125% of the Federal Poverty Level, which depends on their household size (q209). Respondents were not asked q230 if their answers to q229 and q209 already demonstrated that they were above or below 125% FPL.</p> <p>The question uses this table from the CDPH specifically: https://web.archive.org/web/20230510124159/https://www.cdpf.ca.gov/Programs/CID/DOA/Pages/OA_ADAP_Federal_Poverty_Guideline_Chart.aspx.</p>

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q231	Individual income	indivincome	1 Less than \$20,000, 2 \$20,000 - \$39,999, 3 \$40,000 - \$64,999, 4 \$65,000 - \$99,999, 5 \$100,000 - \$149,999, 6 \$150,000 - \$199,999, 7 \$200,000 or more, 8 Did not work last year	
	q231a	income more/less/the same than 1yr ago	incomevslastyr	1 More, 2 Less, 3 About the same	
	q231b	Household income contributors	yes_no		
	q231c	Other household income	yes_no		
	q232_a	Social Security retirement	yes_no		
	q232_b	Pension	yes_no		
	q232_c	Social Security Disability	yes_no		
	q232_d	SSI	yes_no		
	q232_e	TANF	yes_no		
	q232_f	Unemployment	yes_no		
	q232_g	Worker's comp	yes_no		
	q232_h	CA State disability insurance	yes_no		

	q232_i	private disability insurance	yes_no		
	q232_j	rental income	yes_no		
	q232_k	Income source: Other	yes_no		
	q232_k_specify	Income source: Other, specify	text		
	q234_a	Benefits: SNAP	yes_no		
	q234_b	Benefits: food bank	yes_no		
	q234_c	Benefits: COVID-19 cash	yes_no		
	q234_d	Benefits: Other COVID19 relief	yes_no		
	q235	Own or rent home	ownorrent	1 Own, 2 Rent, 3 Other	
	q235_other_specify	Own or Rent, other specify	text		
	q235a	Has permanent place to live	yes_no		
	q236	Financial difficulty	financialdifficulty	1 Not at all difficult, 2 Somewhat difficult, 3 Difficult, 4 Very difficult, 5 Extremely difficult	
	q237	Can cover unexpected expense	yes_no		

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q238	At risk of financial difficulty	yes_no		

	q241a	County	county	1 Alameda, 2 Alpine*, 3 Amador*, 4 Butte, 5 Calaveras*, 6 Colusa*, 7 Contra Costa, 8 Del Norte*, 9 El Dorado, 10 Fresno, 11 Glenn*, 12 Humboldt, 13 Imperial, 14 Inyo*, 15 Kern, 16 Kings*, 17 Lake, 18 Lassen*, 19 Los Angeles, 20 Madera, 21 Marin, 22 Mariposa*, 23 Mendocino, 24 Merced, 25 Modoc*, 26 Mono*, 27 Monterey, 28 Napa, 29 Nevada, 30 Orange, 31 Placer, 32 Plumas*, 33 Riverside, 34 Sacramento, 35 San Benito, 36 San Bernardino, 37 San Diego, 38 San Francisco, 39 San Joaquin, 40 San Luis Obispo, 41 San Mateo, 42 Santa Barbara, 43 Santa Clara, 44 Santa Cruz, 45 Shasta, 46 Sierra*, 47 Siskiyou*, 48 Solano, 49 Sonoma, 50 Stanislaus, 51 Sutter, 52 Tehama*, 53 Trinity*, 54 Tulare, 55 Tuolumne*, 56 Ventura, 57 Yolo, 58 Yuba*, 99 Other Counties	Counties with less than 10 respondents are marked with an asterisk to the left. These counties are recorded to 99 in public release dataset for privacy reasons.
	mainjob_type	Origin of Main Job	jobt	1 First 7-day Job 2 Thirty-day job	
	q018mn				
	q018_codemn	MN: full SOC code			
	q018_2digmn	MN: SOC code first two digits			
	q018_3digmn	MN: SOC code first three digits			
	q019yrsmn	MN: Total time in occupation in years			
	q020mn				
	q020_codemn	MN: full NAICS code			
	q020_2digmn	MN: NAICS code first two digits			
	q020_3digmn	MN: NAICS code first three digits			
	q021yrsmn	MN: Total time at company in years			
	q022mn	MN: Promotion in last 12 mos			
	q023mn	MN: New job improvement in pay			

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q024mn	MN: Self-employed?			
	q025mn	MN: Self-employed: independent contractor			
	q026mn	MN: Employee of own business/farm			
	q026amn	MN: Employee: independent contractor			
	q027mn	MN: Employee: one company or multiple			
	q028mn	MN: Do app-based work?			
	q028amn	MN: name of app-based company?			
	q028ai_ridesharemn	MN: rideshare app			
	q028ai_personalmn	MN: personal services app			
	q028ai_oddjobmn	MN: oddjob app			
	q028ai_entertainmentmn	MN: entertainment app			
	q028ai_deliverymn	MN: delivery app			
	q028ai_assortedmn	MN: assorted app			
	q029mn	MN: payment method			
	q029amn	MN: hourly or a fixed salary			
	q029a1mn	MN: bonuses, tips, or commissions			
	q029bmn	MN: paid piece rate			
	q030mn	MN: employer deductions			
	q031mn	MN: Income tax form			
	q032mn	MN: unpaid work			
	q033amn	MN: who decides how work is done			
	q033b_indcodemn	MN: full NAICS code for self-employed			
	q033b_indcode_2digmn	MN: NAICS code first two digits for self-emp.			

	q033b_indcode_3digmn	MN: NAICS code first three digits for self-emp.			
	q033cmn	MN: in business for themselves			
	q034mn	MN: can choose to stay at current job			
	q035mn	MN: expect job to end in next 12 mos			

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q036mn	MN: temp. employment agency			
	q037mn	MN: company contracts services out			
	q038mn	MN: Size of firm			
	q039mn	MN: Work schedule			
	q040amn	MN: On call work past week			
	q041mn	MN: Overtime work			
	q042mn	MN: Flexible hours			
	q043mn	MN: Supervise others			
	q044mn	MN: Work at home			
	q047mn	MN: Days paid sick leave			
	q047_unlimitedmn	MN: unlimited paid sick leave			
	q048_amn	MN: requires learn new things			
	q048_bmn	MN: little freedom over work			
	q048_cmn	MN: allows independent decisions			
	q048_dmn	MN: enough time to finish work			
	q048_emn	MN: very fast without breaks			
	q048_fmn	MN: work speed monitored			

	q048_gmn	MN: fear job loss if too slow			
	q048_hmn	MN: fear job loss if take break			
	q048_hilomn	MN: high demand & low control Karasek measure			
	q050_amn	MN: requires walking?			
	q050_bmn	MN: Use stairs or inclines?			
	q050_cmn	MN: Stand for four+ hours?			
	q050_dmn	MN: Sit for long periods?			
	q050_emn	MN: Stoop, crouch or kneel?			
	q050_fmn	MN: Bend over or twist around?			

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q050_gmn	MN: Lift or carry up to 50 lbs?			
	q050_hmn	MN: Lift or carry weights up to 10 lbs?			
	q050_imn	MN: Repeat a hand motion?			
	q050_jmn	MN: Pinch or grasp items or tools?			
	q050_kmn	MN: Use vibrating/power tools?			
	q050_lmn	MN: Ride in vehicle?			
	q050_mmn	MN: Use computers/devices?			
	q050_nmn	MN: Concentrate for long periods?			
	q050_omn	MN: Interact with other people?			
	q051mn	MN: Level of schooling required			

	q053_amn	MN: Bullying by supervisor			
	q053_bmn	MN: Bullying by coworkers			
	q053_cmn	MN: Bullying by customers			
	q054_amn	MN: Respected by supervisor			
	q054_bmn	MN: Respected by coworkers			
	q054_cmn	MN: Respected by customers			
	q055mn	MN: Union contract			
	q057mn	MN: job offers health insurance			
	q057amn	MN: has job health insurance			
	q058mn	MN: Pension plan through job			
	secondjob_type	Origin of Second Job	jobt2	1 Second 7-day Job 2 Thirty-day job	
	q018sc				
	q018_codesc	SC: full SOC code			
	q018_2digsc	SC: SOC code first two digits			
	q018_3digsc	SC: SOC code first three digits			

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q019yrssc	SC: Total time in occupation in years			
	q020sc				
	q020_codesc	SC: full NAICS code			
	q020_2digsc	SC: NAICS code first two digits			
	q020_3digsc	SC: NAICS code first three digits			
	q021yrssc	SC: Total time at company in years			
	q024sc	SC: Self-employed?			

	q025sc	SC: Self-employed: independent contractor			
	q026sc	SC: Employee of own business/farm			
	q026asc	SC: Employee: independent contractor			
	q027sc	SC: Employee: one company or multiple			
	q028sc	SC: Do app-based work?			
	q028asc	SC: name of app-based company?			
	q028ai_ridesharesc	SC: rideshare app			
	q028ai_oddjobsc	SC: oddjob app			
	q028ai_entertainmentsc	SC: entertainment app			
	q028ai_deliverysc	SC: delivery app			
	q028ai_assortedsc	SC: assorted app			
	q028ai_personalsc	SC: personal services app			
	q029a1sc	SC: bonuses, tips, or commissions			
	q030sc	SC: employer deductions			
	q031sc	SC: income tax form			
	q032sc	SC: unpaid work			
	q033asc	SC: who decides how work is done			
	q033b_indcodesc	SC: full NAICS code for self-employed			
	q033b_indcode_2digsc	SC: NAICS code first two digits for self-emp.			
	q033b_indcode_3digsc	SC: NAICS code first three digits for self-emp.			

Section	Variable Name	Variable Label	Value label name	Value label	Definition Notes
	q033csc	SC: in business for themselves			
	q034sc	SC: can choose to stay at current job			

	q035sc	SC: expect job to end in next 12 mos			
	q036sc	SC: temp. employment agency			
	q037sc	SC: company contracts services out			
	q039sc	SC: Work schedule			
	q040asc	SC: On call work			
	q041sc	SC: Overtime work			
	q055sc	SC: Union contract			
	q057sc	SC: job offers health insurance			
	q057asc	SC: has job health insurance			
	q058sc	SC: job pension			