

**Fragile Families  
Labor Market and Macroeconomic  
Restricted Use Data Appendage**

Baseline and Follow-Up Waves

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## DATA APPENDAGE OVERVIEW

The Fragile Families Labor Market and Macroeconomic Restricted Use Data Appendage (ff\_mecon\_all\_pub2.dta / ff\_mecon\_all\_res2.dta) contains local labor market and macroeconomic data that correspond to the 20 sample cities and interview/assessment dates of respondents in the Fragile Families and Child Wellbeing Study (FFCWS). Variables include information on local employment and national consumer confidence, as reported by the Bureau of Labor Statistics, Census Bureau, and Survey of Consumers. At all waves of data collection, respondents were interviewed at different time periods, resulting in substantial variation in labor market and macroeconomic conditions experienced by families within and across metropolitan areas. This variation allows researchers to examine how the labor market and national economy are related to the wellbeing of children and families in the FFCWS.

## FILE LAYOUT

The file contains 4,898 observations (one per family) and is sorted by *idnum*.

## VARIABLE NAMING CONVENTION

Labor market and macroeconomic variable names are 8 characters long. The first 4 letters contain the variable prefix. The latter 4 characters contain the variable suffix, which includes an abbreviated description of the labor market/macroeconomic indicator and the time period relative to the interview/assessment date. The variable names are constructed as follows:

<u>Position</u>	<u>Character</u>	<u>Indicates</u>
1	e	Labor market/macroeconomic variable (all variables in appendage)
2	m	Mother core interview date
	f	Father core interview date
	h	In-home interview/assessment date
	p	Primary caregiver interview date
	o	In-home observation date
3	1	Wave 1 (Baseline)
	2	Wave 2 (1-year)
	3	Wave 3 (3-year)
	4	Wave 4 (5-year)
	5	Wave 5 (9-year)
4	m	Metropolitan Statistical Area-level measure of sample city
	n	National-level measure
5,6	** (e.g. un)	Labor market/macroeconomic indicator (e.g. unemployment rate)
7,8	** (e.g. 01)	Time period (e.g. one month before interview date)

For example, variable **ef3mun01**: the prefix (position 1-4) **ef3m** refers to a labor market/macroeconomic variable (**e**) corresponding to the father core interview date (**f**) at Wave 3 (**3**) and the Metropolitan Statistical Area-level measure of the sample city (**m**); the suffix **un01**

(position 5-8) refers to the unemployment rate (**un**) one month before the interview (**01**).

## **GEOGRAPHY**

### ***Metropolitan Statistical Area (MSA)***

All labor market and population data are reported at the Metropolitan Statistical Area (MSA)-level. Labor market and population data vary according to the sample city of the respondent and the date of the interview/assessment. MSAs are defined by the Office of Management and Budget (OMB) and delineated on the basis of a central urban area of relatively high population density, composed of counties and county-equivalents. MSAs include at least one urbanized area that has a population of 50,000 or more and adjacent outlying counties that have a high degree of social and economic integration with the central county or counties. With the exception of Boston, all sample cities in the Fragile Families Study are defined by the OMB as an MSA. Urban areas in the New England region use an alternative set of geographic entities called New England City and Town Areas (NECTAs). NECTAs are defined using the same criteria as the county-based CBSAs.

*Note:* The MSA geographical-level of sample cities do not vary within families across time, regardless of respondents' current residence. For example, if a family was selected into the study in the Oakland sample city, all mother, father, and parental caregiver observations are associated with the Oakland MSA at all waves, even if one or more of the family respondents resided outside the Oakland MSA at any one of these waves.

### ***National***

National Consumer Sentiment Index data are reported at the national level. Data vary only according to the date of the interview/assessment; no variation occurs across sample cities.

## **TIME**

### ***Core interviews (Baseline, 1-, 3-, 5-, and 9-year)***

For mother- and father-core interviews, all labor market, macroeconomic and population data correspond to the calendar month or calendar quarter in which the mother or father were interviewed. Estimates were constructed based on the date variables that are included in the mother and father core data files (m1intmon, m1intyr; f1intmon, f1intyr; m2intmon, m2intyr; f2intmon, f2intyr; m3intmon, m3intyr; f3intmon, f3intyr; m4intmon, m4intyr; f4intmon, f4intyr; m5intmon, m5intyr; f5intmon, f5intyr).

### ***In-home interviews/assessments (3-, 5-, and 9-year)***

For in-home surveys and assessments, all labor market, macroeconomic and population data correspond to the calendar month or calendar quarter in which the parental caregiver was interviewed or child was assessed. For 3- and 5-year in-home interviews, estimates were constructed based on when the parental caregiver was interviewed as indicated by the date variables included in the in-home data files (h3mesdate; h4intmon, h4intyr). For 9-year in-home assessments, estimates were constructed based on the date in which the child was assessed as indicated by the date variables included in the 9-year merged data files (hv5\_intmon, hv5\_intyr).

### ***Primary caregiver survey (9-year)***

The labor market, macroeconomic and population data associated with the primary caregiver survey conducted at 9-year correspond to the calendar month or calendar quarter in which the primary caregiver was interviewed. Estimates were constructed based on the date variables included in the 9-year merged data files (p5\_intmon, p5\_intyr).

### ***In-home interviewer observation (9-year)***

The labor market, macroeconomic and population data associated with the in-home observations conducted at 9-year correspond to the calendar month or calendar quarter in which in-home observations were made by the interviewer. Estimates were constructed based on the date variables included in the 9-year merged data files (o5\_intmon, o5\_intyr).

## **DATA SOURCES**

### ***Local Area Unemployment Statistics (LAUS)***

Data on MSA unemployment rates, number of employed residents, number of unemployed residents, and number of residents in the workforce were obtained from the Local Area Unemployment Statistics (LAUS), made available by the Bureau of Labor Statistics (BLS). All employment statistics obtained from LAUS included in the data appendage are not seasonally adjusted. Data was downloaded in September, 2012 from: <http://download.bls.gov/pub/time.series/la/>.

As described by BLS, the concepts and definitions underlying LAUS data come from the Current Population Survey (CPS), the household survey that is the official measure of the labor force for the nation. Metropolitan area labor market estimates are produced through a building-block approach known as the "Handbook Method." This procedure also uses data from several sources, including the CPS, the Current Employment Statistics (CES) program, state unemployment insurance (UI) systems, and the decennial census, to create estimates that are adjusted to the statewide measures of employment and unemployment. The following definitions apply to the variables included in this dataset.

1. *Employed persons*. Included are all residents of the MSA who, during the reference week, (a) did any work as paid employees, worked in their own business or profession or on their own farm, or worked 15 hours or more as unpaid workers in an enterprise operated by a member of their family, or (b) were not working but who had jobs from which they were temporarily absent because of vacation, illness, bad weather, childcare problems, maternity or paternity leave, labor-management dispute job training, or other family or personal reasons. Each employed person is counted only once, even if he or she holds more than one job.
2. *Unemployed persons*. Included are all persons who had no employment during the reference week, were available for work, except for temporary illness, and had made specific efforts to find employment some time during the 4 week-period ending with the reference week. Persons who were waiting to be recalled to a job from which they had been laid off need not have been looking for work to be classified as unemployed.

3. *Labor force*. Included are all residents of the MSA in the civilian non-institutional population classified as either employed or unemployed.
4. *Unemployment rate*. The ratio of unemployed to the civilian labor force expressed as a percent [i.e., 100 times (unemployed/labor force)].

For more information about the LAUS data series please refer to the BLS website:  
<http://www.bls.gov/lau/>.

### ***Quarterly Workforce Indicators (QWI)***

Data on MSA employment counts by demographic groups were obtained from the Quarterly Workforce Indicators (QWI), managed by the Longitudinal Employer-Household Dynamics (LEHD) program part of the Center for Economic Studies at the U.S. Census Bureau. All employment counts obtained from QWI are based on the end of quarter employment counts (variable: *EmpEnd* in QWI data files) - the estimated number of jobs on the last day of the quarter; like other labor market variables included in the data appendage, counts are not seasonally adjusted. Data was downloaded in July, 2012 from:  
<http://download.vrdc.cornell.edu/qwipu/R2012Q1/>

The QWI *counts jobs* – not employed workers. QWI employment counts represent the number of jobs that exist within the MSA of the associated sample city. These counts do not represent the number of employed persons who reside in the MSA of the associated sample city. QWI counts do not include persons employed by the federal government, self-employed workers and independent contractor employment. QWI relies on unemployment insurance wage records. Thus, the job must produce at least one dollar of UI-covered earnings during a given quarter to count in the QWI system.

As previously discussed, MSAs are comprised of counties that may cross state lines. Moreover, QWI data is released separately by each state. As a result, employment counts released by each state represent employment counts of the counties that comprise the MSA within state lines – not all counties that comprise the whole MSA. In order to construct complete employment counts for MSAs that cross state lines, MSA employment counts were aggregated across multiple states. For example, MSA 35620 (New York-Northern New Jersey-Long Island, NY-NJ-PA Metropolitan Statistical Area) includes three states. In this case, employment in the 35620 MSA was computed as follows:

$$\begin{aligned} \text{Employment in 35620 MSA} = & \text{Employment in 35620 MSA (within New Jersey)} + \\ & \text{Employment in 35620 MSA (within New York)} + \\ & \text{Employment in 35620 MSA (within Pennsylvania)} \end{aligned}$$

States began releasing QWI data at different times. Therefore, employment counts for MSAs are coded missing in the data appendage if any state within the MSA has missing QWI data. For example: New Jersey and New York released QWI data for Quarter 1 of 1999 but Pennsylvania did not release QWI data for this quarter; the employment counts for CBSA 35620 (which includes counties in Pennsylvania) during Quarter 1 of 1999 are therefore coded as missing. As a result, there are a substantial proportion of observations with missing QWI data at earlier waves (as high as 30% for measures 1 year before the baseline interview).

Finally, the state of Massachusetts did not participate in the Longitudinal Employer-Household Dynamics (LEHD) program during the time in which FFCWS was conducted. Therefore, no QWI data is available for respondents from the Boston sample city.

### ***U.S. Census Bureau's Historical Population Estimates (Census)***

Data on population counts were obtained from the Historical Population Estimates constructed by the U.S. Census Bureau. Four definitions of working-age populations were used, which include persons who may be included in the workforce according to BLS standards: (1) population ages 16 and older; (2) population ages 18 and older; (3) population ages 16-64; and (4) population ages 18-64. Data was downloaded in 2010 from: <http://www.census.gov/popest/data/historical/>

Population estimates of MSAs are reported annually by the U.S. Census Bureau. The Population Estimates Program (PEP) uses data on births, deaths, and migration to calculate population change since the most recent decennial census. These estimates are reported as of July of each year. In order to estimate the population of MSAs for each calendar month, estimates were constructed based on the following linear interpolation formula.

$$\text{Population in MSA } N \text{ months after most recent annual estimate } (P_t) = \frac{P_{t+1} - P_t}{12} \times N + P_t$$

*Note:* Monthly population figures were not constructed by the U.S. Census Bureau (with the exception of population figures for interview dates in the month of July) and should be treated as estimates only. These figures assume a constant rate of population change from July of any given year to July of the year following. Due to unavailable data at the time of construction, the rate of population change from July, 2008 to July, 2009 was used to extrapolate population estimates for the months from August of 2009 to April of 2010.

### ***National Consumer Sentiment Index (NCSI)***

Data on the National Consumer Sentiment Index (NCSI) were obtained from Thomson Reuters/University of Michigan Surveys of Consumers. The index was calculated based on a monthly telephone survey of 500 people. The survey contains 5 core questions about respondents' feelings about the economy: (1) Are you and your family better off or worse off financially than a year ago?; (2) In a year from now, do you think that your family will be better off, worse off, or about the same from now?; (3) Where do you think the economy is heading in the next 12 months: better, worse, or otherwise?; (4) What about in the next 5 years?; (5) Do you think it is a good time to buy major household items like furniture, refrigerators, televisions, etc.? Answers to these questions are used to generate an index of 0-100 with 1966 as the base year (with an index of 100).

For more information about the NCSI data series please refer to the Thomson Reuters/University of Michigan Surveys of Consumers website: <http://www.sca.isr.umich.edu/>

## **EMPLOYMENT REVISIONS**

The Bureau of Labor Statistics and the U.S. Census Bureau frequently revise employment estimates to reflect updated input data and new Census Bureau population controls. Therefore, current estimates may deviate slightly from the estimates included in the appendage. As

previously described, LAUS employment data included in the appendage reflect estimates from September, 2012; QWI data reflect estimates from July, 2012.

## CURRENT RESIDENCE OF RESPONDENT

As discussed previously, all measures at all waves correspond to the MSA of families' original sample city, regardless of respondents' current residence at each wave. The data appendage includes variables that indicate whether the focal child's biological mother and biological father resided in the MSA of their original sample city at each wave (*\*scmsa*). Values for these variables are coded to -9 if the respondent did not participate in the interview/assessment and -3 if the respondent's location could not be determined.

## MISSING VALUES

All missing values for labor market and macroeconomic variables are coded using similar conventions found in other FFCWS data files. More specifically, the following three missing codes are used:

-9 <i>Not in wave</i>	Respondent did not participate in interview/assessment
-7 <i>N/A</i>	Respondent participated in interview/assessment; however labor market or macroeconomic data is missing because date of interview/assessment is not available.
-3 <i>Missing</i>	Respondent participated in interview/assessment and date of interview is available; however, labor market or macroeconomic data for the associated sample city MSA at the current time period is not available.

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## DATA DICTIONARY

*Note:* Variable names listed in the data dictionary exclude the 4 character length prefixes. Please refer to the *Variable Naming Convention* section for more information about variable prefixes.

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<b>Variable</b>	<b>Source</b>	<b>Description</b>
en00	LAUS	Number of employed residents in sample city MSA; month of interview
en01	LAUS	Number of employed residents in sample city MSA; 1 month before interview
en02	LAUS	Number of employed residents in sample city MSA; 2 months before interview
en03	LAUS	Number of employed residents in sample city MSA; 3 months before interview
en04	LAUS	Number of employed residents in sample city MSA; 4 months before interview
en05	LAUS	Number of employed residents in sample city MSA; 5 months before interview
en06	LAUS	Number of employed residents in sample city MSA; 6 months before interview
en07	LAUS	Number of employed residents in sample city MSA; 7 months before interview
en08	LAUS	Number of employed residents in sample city MSA; 8 months before interview
en09	LAUS	Number of employed residents in sample city MSA; 9 months before interview
en10	LAUS	Number of employed residents in sample city MSA; 10 months before interview
en11	LAUS	Number of employed residents in sample city MSA; 11 months before interview
en12	LAUS	Number of employed residents in sample city MSA; 12 months before interview

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<b>Variable</b>	<b>Source</b>	<b>Description</b>
un00	LAUS	Number of unemployed residents in sample city MSA; month of interview/assessment
un01	LAUS	Number of unemployed residents in sample city MSA; 1 month before interview/assessment
un02	LAUS	Number of unemployed residents in sample city MSA; 2 months before interview/assessment
un03	LAUS	Number of unemployed residents in sample city MSA; 3 months before interview/assessment
un04	LAUS	Number of unemployed residents in sample city MSA; 4 months before interview/assessment
un05	LAUS	Number of unemployed residents in sample city MSA; 5 months before interview/assessment
un06	LAUS	Number of unemployed residents in sample city MSA; 6 months before interview/assessment
un07	LAUS	Number of unemployed residents in sample city MSA; 7 months before interview/assessment
un08	LAUS	Number of unemployed residents in sample city MSA; 8 months before interview
un09	LAUS	Number of unemployed residents in sample city MSA; 9 month before interview
un10	LAUS	Number of unemployed residents in sample city MSA; 10 months before interview
un11	LAUS	Number of unemployed residents in sample city MSA; 11 months before interview
un12	LAUS	Number of unemployed residents in sample city MSA; 12 months before interview

<b>Variable</b>	<b>Source</b>	<b>Description</b>
wn00	LAUS	Number of residents in workforce in sample city MSA; month of interview/assessment
wn01	LAUS	Number of residents in workforce in sample city MSA; 1 month before interview/assessment
wn02	LAUS	Number of residents in workforce in sample city MSA; 2 months before interview/assessment
wn03	LAUS	Number of residents in workforce in sample city MSA; 3 months before interview/assessment
wn04	LAUS	Number of residents in workforce in sample city MSA; 4 months before interview/assessment
wn05	LAUS	Number of residents in workforce in sample city MSA; 5 months before interview/assessment
wn06	LAUS	Number of residents in workforce in sample city MSA; 6 months before interview/assessment
wn07	LAUS	Number of residents in workforce in sample city MSA; 7 months before interview/assessment
wn08	LAUS	Number of residents in workforce in sample city MSA; 8 months before interview/assessment
wn09	LAUS	Number of residents in workforce in sample city MSA; 9 months before interview/assessment
wn10	LAUS	Number of residents in workforce in sample city MSA; 10 months before interview/assessment
wn11	LAUS	Number of residents in workforce in sample city MSA; 11 months before interview/assessment
wn12	LAUS	Number of residents in workforce in sample city MSA; 12 months before interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
ur00	LAUS	Unemployment rate of residents in sample city MSA; month of interview/assessment
ur01	LAUS	Unemployment rate of residents in sample city MSA; 1 month before interview/assessment
ur02	LAUS	Unemployment rate of residents in sample city MSA; 2 months before interview/assessment
ur03	LAUS	Unemployment rate of residents in sample city MSA; 3 months before interview/assessment
ur04	LAUS	Unemployment rate of residents in sample city MSA; 4 months before interview/assessment
ur05	LAUS	Unemployment rate of residents in sample city MSA; 5 months before interview/assessment
ur06	LAUS	Unemployment rate of residents in sample city MSA; 6 months before interview/assessment
ur07	LAUS	Unemployment rate of residents in sample city MSA; 7 months before interview/assessment
ur08	LAUS	Unemployment rate of residents in sample city MSA; 8 months before interview/assessment
ur09	LAUS	Unemployment rate of residents in sample city MSA; 9 months before interview/assessment
ur10	LAUS	Unemployment rate of residents in sample city MSA; 10 months before interview/assessment
ur11	LAUS	Unemployment rate of residents in sample city MSA; 11 months before interview/assessment
ur12	LAUS	Unemployment rate of residents in sample city MSA; 12 months before interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
pa00	Census	Population of persons 16 and older in sample city MSA; month of interview/assessment (constructed)
pa01	Census	Population of persons 16 and older in sample city MSA; 1 month before interview/assessment (constructed)
pa02	Census	Population of persons 16 and older in sample city MSA; 2 months before interview/assessment (constructed)
pa03	Census	Population of persons 16 and older in sample city MSA; 3 months before interview/assessment (constructed)
pa04	Census	Population of persons 16 and older in sample city MSA; 4 months before interview/assessment (constructed)
pa05	Census	Population of persons 16 and older in sample city MSA; 5 months before interview/assessment (constructed)
pa06	Census	Population of persons 16 and older in sample city MSA; 6 months before interview/assessment (constructed)
pa07	Census	Population of persons 16 and older in sample city MSA; 7 months before interview/assessment (constructed)
pa08	Census	Population of persons 16 and older in sample city MSA; 8 months before interview/assessment (constructed)
pa09	Census	Population of persons 16 and older in sample city MSA; 9 months before interview/assessment (constructed)
pa10	Census	Population of persons 16 and older in sample city MSA; 10 months before interview/assessment (constructed)
pa11	Census	Population of persons 16 and older in sample city MSA; 11 months before interview/assessment (constructed)
pa12	Census	Population of persons 16 and older in sample city MSA; 12 months before interview/assessment (constructed)

<b>Variable</b>	<b>Source</b>	<b>Description</b>
pb00	Census	Population of persons 18 and older in sample city MSA; month of interview/assessment (constructed)
pb01	Census	Population of persons 18 and older in sample city MSA; 1 month before interview/assessment (constructed)
pb02	Census	Population of persons 18 and older in sample city MSA; 2 months before interview/assessment (constructed)
pb03	Census	Population of persons 18 and older in sample city MSA; 3 months before interview/assessment (constructed)
pb04	Census	Population of persons 18 and older in sample city MSA; 4 months before interview/assessment (constructed)
pb05	Census	Population of persons 18 and older in sample city MSA; 5 months before interview/assessment (constructed)
pb06	Census	Population of persons 18 and older in sample city MSA; 6 months before interview/assessment (constructed)
pb07	Census	Population of persons 18 and older in sample city MSA; 7 months before interview/assessment (constructed)
pb08	Census	Population of persons 18 and older in sample city MSA; 8 months before interview/assessment (constructed)
pb09	Census	Population of persons 18 and older in sample city MSA; 9 months before interview/assessment (constructed)
pb10	Census	Population of persons 18 and older in sample city MSA; 10 months before interview/assessment (constructed)
pb11	Census	Population of persons 18 and older in sample city MSA; 11 months before interview/assessment (constructed)
pb12	Census	Population of persons 18 and older in sample city MSA; 12 months before interview/assessment (constructed)

<b>Variable</b>	<b>Source</b>	<b>Description</b>
pc00	Census	Population of persons ages 16-64 in sample city MSA; month of interview/assessment (constructed)
pc01	Census	Population of persons ages 16-64 in sample city MSA; 1 month before interview/assessment (constructed)
pc02	Census	Population of persons ages 16-64 in sample city MSA; 2 months before interview/assessment (constructed)
pc03	Census	Population of persons ages 16-64 in sample city MSA; 3 months before interview/assessment (constructed)
pc04	Census	Population of persons ages 16-64 in sample city MSA; 4 months before interview/assessment (constructed)
pc05	Census	Population of persons ages 16-64 in sample city MSA; 5 months before interview/assessment (constructed)
pc06	Census	Population of persons ages 16-64 in sample city MSA; 6 months before interview/assessment (constructed)
pc07	Census	Population of persons ages 16-64 in sample city MSA; 7 months before interview/assessment (constructed)
pc08	Census	Population of persons ages 16-64 in sample city MSA; 8 months before interview/assessment (constructed)
pc09	Census	Population of persons ages 16-64 in sample city MSA; 9 months before interview/assessment (constructed)
pc10	Census	Population of persons ages 16-64 in sample city MSA; 10 months before interview/assessment (constructed)
pc11	Census	Population of persons ages 16-64 in sample city MSA; 11 months before interview/assessment (constructed)
pc12	Census	Population of persons ages 16-64 in sample city MSA; 12 months before interview/assessment (constructed)

<b>Variable</b>	<b>Source</b>	<b>Description</b>
pd00	Census	Population of persons ages 18-64 in sample city MSA; month of interview/assessment (constructed)
pd01	Census	Population of persons ages 18-64 in sample city MSA; 1 month before interview/assessment (constructed)
pd02	Census	Population of persons ages 18-64 in sample city MSA; 2 months before interview/assessment (constructed)
pd03	Census	Population of persons ages 18-64 in sample city MSA; 3 months before interview/assessment (constructed)
pd04	Census	Population of persons ages 18-64 in sample city MSA; 4 months before interview/assessment (constructed)
pd05	Census	Population of persons ages 18-64 in sample city MSA; 5 months before interview/assessment (constructed)
pd06	Census	Population of persons ages 18-64 in sample city MSA; 6 months before interview/assessment (constructed)
pd07	Census	Population of persons ages 18-64 in sample city MSA; 7 months before interview/assessment (constructed)
pd08	Census	Population of persons ages 18-64 in sample city MSA; 8 months before interview/assessment (constructed)
pd09	Census	Population of persons ages 18-64 in sample city MSA; 9 months before interview/assessment (constructed)
pd10	Census	Population of persons ages 18-64 in sample city MSA; 10 months before interview/assessment (constructed)
pd11	Census	Population of persons ages 18-64 in sample city MSA; 11 months before interview/assessment (constructed)
pd12	Census	Population of persons ages 18-64 in sample city MSA; 12 months before interview/assessment (constructed)

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qrw0	QWI	Employment count of jobs in sample city MSA held by white, non-Hispanic persons ages 15-99; end of calendar quarter of interview/assessment
qrw1	QWI	Employment count of jobs in sample city MSA held by white, non-Hispanic persons ages 15-99; 1 calendar quarter before end of calendar quarter of interview/assessment
qrw2	QWI	Employment count of jobs in sample city MSA held by white, non-Hispanic persons ages 15-99; 2 calendar quarters before end of calendar quarter of interview/assessment
qrw3	QWI	Employment count of jobs in sample city MSA held by white, non-Hispanic persons ages 15-99; 3 calendar quarters before end of calendar quarter of interview/assessment
qrw4	QWI	Employment count of jobs in sample city MSA held by white, non-Hispanic persons ages 15-99; 4 calendar quarters before end of calendar quarter of interview/assessment
qrb0	QWI	Employment count of jobs in sample city MSA held by black, any ethnicity persons ages 15-99; end of calendar quarter of interview/assessment
qrb1	QWI	Employment count of jobs in sample city MSA held by black, any ethnicity persons ages 15-99; 1 calendar quarter before end of calendar quarter of interview/assessment
qrb2	QWI	Employment count of jobs in sample city MSA held by black, any ethnicity persons ages 15-99; 2 calendar quarters before end of calendar quarter of interview/assessment
qrb3	QWI	Employment count of jobs in sample city MSA held by black, any ethnicity persons ages 15-99; 3 calendar quarters before end of calendar quarter of interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qrb4	QWI	Employment count of jobs in sample city MSA held by black, any ethnicity persons ages 15-99; 4 calendar quarters before end of calendar quarter of interview/assessment
qrh0	QWI	Employment count of jobs in sample city MSA held by Hispanic, any race persons ages 15-99; end of calendar quarter of interview/assessment
qrh1	QWI	Employment count of jobs in sample city MSA held by Hispanic, any race persons ages 15-99; 1 calendar quarter before end of calendar quarter of interview/assessment
qrh2	QWI	Employment count of jobs in sample city MSA held by Hispanic, any race persons ages 15-99; 2 calendar quarters before end of calendar quarter of interview/assessment
qrh3	QWI	Employment count of jobs in sample city MSA held by Hispanic, any race persons ages 15-99; 3 calendar quarters before end of calendar quarter of interview/assessment
qrh4	QWI	Employment count of jobs in sample city MSA held by Hispanic, any race persons ages 15-99; 4 calendar quarters before end of calendar quarter of interview/assessment
qfy0	QWI	Employment count of jobs in sample city MSA held by female persons, ages 19-34; end of calendar quarter of interview/assessment
qfy1	QWI	Employment count of jobs in sample city MSA held by female persons, ages 19-34; 1 calendar quarter before end of calendar quarter of interview/assessment
qfy2	QWI	Employment count of jobs in sample city MSA held by female persons, ages 19-34; 2 calendar quarters before end of calendar quarter of interview/assessment
qfy3	QWI	Employment count of jobs in sample city MSA held by female persons, ages 19-34; 3 calendar quarters before end of calendar quarter of interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qfy4	QWI	Employment count of jobs in sample city MSA held by female persons, ages 19-34; 4 calendar quarters before end of calendar quarter of interview/assessment
qmy0	QWI	Employment count of jobs in sample city MSA held by male persons, ages 19-34; end of calendar quarter of interview/assessment
qmy1	QWI	Employment count of jobs in sample city MSA held by male persons, ages 19-34; 1 calendar quarter before end of calendar quarter of interview/assessment
qmy2	QWI	Employment count of jobs in sample city MSA held by male persons, ages 19-34; 2 calendar quarters before end of calendar quarter of interview/assessment
qmy3	QWI	Employment count of jobs in sample city MSA held by male persons, ages 19-34; 3 calendar quarters before end of calendar quarter of interview/assessment
qmy4	QWI	Employment count of jobs in sample city MSA held by male persons, ages 19-34; 4 calendar quarters before end of calendar quarter of interview/assessment
qfo0	QWI	Employment count of jobs in sample city MSA held by female persons, ages 35-64; end of calendar quarter of interview/assessment
qfo1	QWI	Employment count of jobs in sample city MSA held by female persons, ages 35-64; 1 calendar quarter before end of calendar quarter of interview/assessment
qfo2	QWI	Employment count of jobs in sample city MSA held by female persons, ages 35-64; 2 calendar quarters before end of calendar quarter of interview/assessment
qfo3	QWI	Employment count of jobs in sample city MSA held by female persons, ages 35-64; 3 calendar quarters before end of calendar quarter of interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qfo4	QWI	Employment count of jobs in sample city MSA held by female persons, ages 35-64; 4 calendar quarters before end of calendar quarter of interview/assessment
qmo0	QWI	Employment count of jobs in sample city MSA held by male persons, ages 35-64; end of calendar quarter of interview/assessment
qmo1	QWI	Employment count of jobs in sample city MSA held by male persons, ages 35-64; 1 calendar quarter before end of calendar quarter of interview/assessment
qmo2	QWI	Employment count of jobs in sample city MSA held by male persons, ages 35-64; 2 calendar quarters before end of calendar quarter of interview/assessment
qmo3	QWI	Employment count of jobs in sample city MSA held by male persons, ages 35-64; 3 calendar quarters before end of calendar quarter of interview/assessment
qmo4	QWI	Employment count of jobs in sample city MSA held by male persons, ages 35-64; 4 calendar quarters before end of calendar quarter of interview/assessment
qfb0	QWI	Employment count of jobs in sample city MSA held by female persons with a Bachelor's degree, ages 25 and older; end of calendar quarter of interview/assessment
qfb1	QWI	Employment count of jobs in sample city MSA held by female persons with a Bachelor's degree, ages 25 and older; 1 calendar quarter before end of calendar quarter of interview/assessment
qfb2	QWI	Employment count of jobs in sample city MSA held by female persons with a Bachelor's degree, ages 25 and older; 2 calendar quarters before end of calendar quarter of interview/assessment
qfb3	QWI	Employment count of jobs in sample city MSA held by female persons with a Bachelor's degree, ages 25 and older; 3 calendar quarters before end of calendar quarter of interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qfb4	QWI	Employment count of jobs in sample city MSA held by female persons with a Bachelor's degree, ages 25 and older; 4 calendar quarters before end of calendar quarter of interview/assessment
qfs0	QWI	Employment count of jobs in sample city MSA held by females with some college, ages 25 and older; end of calendar quarter of interview/assessment
qfs1	QWI	Employment count of jobs in sample city MSA held by females with some college, ages 25 and older; 1 calendar quarter before end of calendar quarter of interview/assessment
qfs2	QWI	Employment count of jobs in sample city MSA held by females with some college, ages 25 and older; 2 calendar quarters before end of calendar quarter of interview/assessment
qfs3	QWI	Employment count of jobs in sample city MSA held by females with some college, ages 25 and older; 3 calendar quarters before end of calendar quarter of interview/assessment
qfs4	QWI	Employment count of jobs in sample city MSA held by females with some college, ages 25 and older; 4 calendar quarters before end of calendar quarter of interview/assessment
qfh0	QWI	Employment count of jobs in sample city MSA held by females with only a high school degree, ages 25 and older; end of calendar quarter of interview/assessment
qfh1	QWI	Employment count of jobs in sample city MSA held by females with only a high school degree, ages 25 and older; 1 calendar quarter before end of calendar quarter of interview/assessment
qfh2	QWI	Employment count of jobs in sample city MSA held by females with only a high school degree, ages 25 and older; 2 calendar quarters before end of calendar quarter of interview/assessment
qfh3	QWI	Employment count of jobs in sample city MSA held by females with only a high school degree, ages 25 and older; 3 calendar quarters before end of calendar quarter of interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qfh4	QWI	Employment count of jobs in sample city MSA held by females with only a high school degree, ages 25 and older; 4 calendar quarters before end of calendar quarter of interview/assessment
qfn0	QWI	Employment count of jobs in sample city MSA held by female with no high school degree, ages 25 and older; end of calendar quarter of interview/assessment
qfn1	QWI	Employment count of jobs in sample city MSA held by female with no high school degree, ages 25 and older; 1 calendar quarter before end of calendar quarter of interview/assessment
qfn2	QWI	Employment count of jobs in sample city MSA held by female with no high school degree, ages 25 and older; 2 calendar quarters before end of calendar quarter of interview/assessment
qfn3	QWI	Employment count of jobs in sample city MSA held by female with no high school degree, ages 25 and older; 3 calendar quarters before end of calendar quarter of interview/assessment
qfn4	QWI	Employment count of jobs in sample city MSA held by female with no high school degree, ages 25 and older; 4 calendar quarters before end of calendar quarter of interview/assessment
qmb0	QWI	Employment count of jobs in sample city MSA held by males with high school degree or equivalency, ages 25 and older; end of calendar quarter of interview/assessment
qmb1	QWI	Employment count of jobs in sample city MSA held by males with high school degree or equivalency, ages 25 and older; 1 calendar quarters before end of calendar quarter of interview/assessment
qmb2	QWI	Employment count of jobs in sample city MSA held by males with Bachelor's degree, ages 25 and older; 2 calendar quarters before end of calendar quarter of interview/assessment
qmb3	QWI	Employment count of jobs in sample city MSA held by males with Bachelor's degree, ages 25 and older; 3 calendar quarters before end of calendar quarter of interview/assessment

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qmb4	QWI	Employment count of jobs in sample city MSA held by males with Bachelor's degree, ages 25 and older; 4 calendar quarters before end of calendar quarter of interview/assessment
qms0	QWI	Employment count of jobs in sample city MSA held by male persons with some college, ages 25 and older; end of quarter of interview
qms1	QWI	Employment count of jobs in sample city MSA held by male persons with some college, ages 25 and older; 1 quarter before end of quarter of interview
qms2	QWI	Employment count of jobs in sample city MSA held by male persons with some college, ages 25 and older; 2 quarters before end of quarter of interview
qms3	QWI	Employment count of jobs in sample city MSA held by male persons with some college, ages 25 and older; 3 quarters before end of quarter of interview
qms4	QWI	Employment count of jobs in sample city MSA held by male persons with some college, ages 25 and older; 4 quarters before end of quarter of interview
qmh0	QWI	Employment count of jobs in sample city MSA held by male persons with a high school degree only, ages 25 and older; end of quarter of interview
qmh1	QWI	Employment count of jobs in sample city MSA held by male persons with a high school degree only, ages 25 and older; 1 quarter before end of quarter of interview
qmh2	QWI	Employment count of jobs in sample city MSA held by male persons with a high school degree only, ages 25 and older; 2 quarters before end of quarter of interview
qmh3	QWI	Employment count of jobs in sample city MSA held by male persons with a high school degree only, ages 25 and older; 3 quarters before end of quarter of interview

<b>Variable</b>	<b>Source</b>	<b>Description</b>
qmh4	QWI	Employment count of jobs in sample city MSA held by male persons with a high school degree only, ages 25 and older; 4 quarters before end of quarter of interview
qmn0	QWI	Employment count of jobs in sample city MSA held by male persons with no high school degree, ages 25 and older; end of quarter of interview
qmn1	QWI	Employment count of jobs in sample city MSA held by male persons with no high school degree, ages 25 and older; 1 quarter before end of quarter of interview
qmn2	QWI	Employment count of jobs in sample city MSA held by male persons with no high school degree, ages 25 and older; 2 quarters before end of quarter of interview
qmn3	QWI	Employment count of jobs in sample city MSA held by male persons with no high school degree, ages 25 and older; 3 quarters before end of quarter of interview
qmn4	QWI	Employment count of jobs in sample city MSA held by male persons with no high school degree, ages 25 and older; 4 quarters before end of quarter of interview
cs00	NCSI	National Consumer Sentiment Index; month of interview
cs01	NCSI	National Consumer Sentiment Index; 1 month before interview
cs02	NCSI	National Consumer Sentiment Index; 2 months before interview
cs03	NCSI	National Consumer Sentiment Index; 3 months before interview
cs04	NCSI	National Consumer Sentiment Index; 4 months before interview
cs05	NCSI	National Consumer Sentiment Index; 5 months before interview

<b>Variable</b>	<b>Source</b>	<b>Description</b>
cs06	NCSI	National Consumer Sentiment Index; 6 months before interview
cs07	NCSI	National Consumer Sentiment Index; 7 months before interview
cs08	NCSI	National Consumer Sentiment Index; 8 months before interview
cs09	NCSI	National Consumer Sentiment Index; 9 months before interview
cs10	NCSI	National Consumer Sentiment Index; 10 months before interview
cs11	NCSI	National Consumer Sentiment Index; 11 months before interview
cs12	NCSI	National Consumer Sentiment Index; 12 months before interview