

**CURRENT POPULATION SURVEY, DECEMBER 2016
FOOD SECURITY FILE**

**TECHNICAL DOCUMENTATION
CPS—16**

This file documentation consists of the following materials:

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|---------------|--|
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| Attachment 2 | Overview - Current Population Survey |
| Attachment 3 | Overview - December 2016 Food Security Supplement |
| Attachment 4 | Glossary |
| Attachment 5 | How to Use the Record Layout |
| Attachment 6 | Basic CPS Record Layout |
| Attachment 7 | Current Population Survey, December 2016 Food Security Supplement Record Layout |
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| Attachment 9 | Industry Classification Codes |
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| Attachment 17 | User Notes |

NOTE

Questions about accompanying **documentation** should be directed to Center for New Media and Promotions Division, Promotions Branch, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-4400.

Questions about the **CD-ROM** should be directed to Marketing Services Office, Customer Services Center, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-INFO (4636).

Questions about the **subject matter** should be directed to Vishu Narine, Demographic Surveys Division, Bureau of the Census, Washington, D.C. 20233. Phone: (301) 763-3806

Reference Materials:

Current Population Survey, December 2016: Food Security Supplement Technical Documentation. Documentation contains this abstract, questionnaire facsimiles, and record layouts of the file.

U.S. Census Bureau. *The Current Population Survey Design and Methodology* (Technical Paper 66) describes in detail the sample design and survey procedures used as well as the accuracy of estimates and sampling errors. Reference copies should be available from most public libraries or Federal Depository Libraries.

For information about the Current Population Survey and other Census Bureau data products, be sure to visit our online Question & Answer Center on the Census Bureau's home page (<http://www.census.gov/>) where you can search our knowledge base and submit questions.

File Availability:

You can obtain the file on the CPS FTP download website at http://thedataweb.rm.census.gov/ftp/cps_ftp.html and the technical documentation is at <http://www.census.gov/programs-surveys/cps/technical-documentation.html>

The independent population controls are prepared by projecting forward the resident population as enumerated on April 1, 2000. The projections are derived by updating demographic census data with information from a variety of other data sources that account for births, deaths, and net migration. Estimated numbers of resident Armed Forces personnel and institutionalized persons reduce the resident population to the civilian noninstitutional population. Estimates of net census undercount, determined from the Post Enumeration Survey, are added to the population projections. Prior to January 2003, the projections were based on earlier censuses, and prior to January 1994, there was no correction for census undercount. A summary of the current procedures used to make population projections is given in "Revisions in the Current Population Survey Effective January 2003" in the January 2003 issue of Employment and Earnings.

Comparability of CPS From Microdata Files With Published Sources

Although total estimates of the total population will equal published estimates, labor force estimates produced from a microdata file may not be directly comparable or identical with the published nonseasonally adjusted labor force data. The official labor force statistics published by the Bureau of Labor Statistics (BLS) are calculated using the CPS composite weight (PWCMPWGT). Anyone wanting to replicate not seasonally adjusted BLS estimates should use this weight. However, not all estimates made from a public use file will match such weighted published estimates. This is because of various steps taken in the creation of CPS public use files to protect the confidentiality of CPS respondents. Top side estimates for most major demographic and economic categories such as age, race, gender and major labor force status will agree with the published totals; however, estimates for small groups/combinations of these characteristics will differ. The same is true for any estimates for any demographic or labor force characteristic not listed above. Such estimates will be similar but not identical.

Another factor also inhibits microdata comparison with published labor force data. This is the seasonal adjustment that is applied to many published statistics. This adjustment is used to adjust for normal seasonal variations to help distinguish the underlying economic situation in month-to-month changes and is not reflected in any of the weights or variables included on the public use files.

Shown below are data from January and July 2015 which demonstrate how estimates compiled using the final weights from the microdata file may differ from the published composited estimates, with and without seasonal adjustment. Note that the composite estimation procedure was not used for estimates published from January 1994 to May 1994. For a further description of both the composite estimator and seasonal adjustment, see the most recent of the CPS Technical Paper (66 or 77).

Comparison of CPS Estimates from Microdata Files with Published Sources

| | Civilian Noninstitutional Population | Civilian Labor Force | Employed | Unemployed | Not in Labor Force |
|--|--|----------------------------|----------|------------|--------------------------|
| <hr/> | | | | | |
| January 2015 Data (000's) | | | | | |
| Final Weights | 249,723 | 156,311 | 146,658 | 9,653 | 93,412 |
| Composited (Not Seasonally Adjusted) | 249,723 | 156,050 | 146,552 | 9,498 | 93,674 |
| Composited (Seasonally Adjusted) | 249,723 | 157,180 | 148,201 | 8,979 | 92,544 |
| <hr/> | | | | | |
| July 2015 Data (000's) | | | | | |
| Final Weights | 250,876 | 159,112 | 150,176 | 8,936 | 91,764 |
| Composited (Not Seasonally Adjusted) | 250,876 | 158,527 | 149,722 | 8,805 | 92,349 |
| Composited (Seasonally Adjusted) | 250,876 | 157,106 | 148,840 | 8,266 | 93,770 |
| <hr/> | | | | | |

Weighting – There are household and person supplement weights associated with the December 2016 Food Security supplement. Use these weights for tallying the supplement items. Limit the sample to one record per household for household tallies.

December 2016 CPS/Food Security Data File

CPS Labor Force Data. The December 2016 CPS file contains 129,077 records. Each record contains 1422 characters. Attachment 7 contains the variable name, character size, location on record, universe, and the values of the variables.

The variable PRPERTYP (located in positions 161-162 on the CPS Basic Items Record Layout) determines the type of person as follows:

PRPERTYP

- 1 = Child household member (0-14 years old)
- 2 = Adult civilian household member (15+ years old)
- 3 = Adult Armed Forces household member (15+ years old)

The variable HRINTSTA (located in positions 57-58 on the CPS Basic Items Record Layout) determines the interview status of the household.

HRINTSTA

- 1 = Interview
- 2 = Type A Noninterview (These records represent households that were eligible for the December 2016 CPS interview but were not interviewed because no one was home, household members were temporarily absent, etc.)
- 3 = Type B Noninterview (These records represent sample addresses determined to be temporarily ineligible for the CPS by virtue of being vacant, nonresidential, etc. These households could become eligible for a CPS interview.)
- 4 = Type C Noninterview (These records represent sample addresses determined to be ineligible for CPS by virtue of a permanent change such as demolition, condemnation, etc. These addresses will not be visited again for CPS interviews.)

A household respondent that responds as indicated below, to five (5) or more of the following supplement questions, is determined to be a supplement interview.

SC1 = <1> or <2>

SC3 = <1> or <2>

SC4 = <1> or <2>

SH2 = <1> or <2>

SSH1 = <1> or <2>

SH3 = <1> or <2>

SH4 = <1> or <2>

SH5 = <1> or <2>

SS2 = <1>, <2>, or <3>

SS3 = <1>, <2>, or <3>

SS4 = <1>, <2>, or <3>

Alternatively, a household that responds to supplement item SS1 with a <1>, <2>, <3>, or <4> is also considered a supplement interview.

Unweighted Counts. Attachment 13 is a tally listing of unweighted counts of supplement households. Use these counts to ensure that the file is being properly accessed.

| NAME | SIZE | DESCRIPTION | LOCATION |
|----------|------|---|-----------|
| PEABSPDO | 2 | ARE YOU BEING PAID BY YOUR EMPLOYER FOR ANY OF THE TIME OFF LAST WEEK? EDITED UNIVERSE: PEABSRSN = 4-12, 14 <u>VALID ENTRIES</u> 1 YES 2 NO | 212 - 213 |
| PEMJOT | 2 | DO YOU HAVE MORE THAN ONE JOB? EDITED UNIVERSE: PEMLR = 1, 2 <u>VALID ENTRIES</u> 1 YES 2 NO | 214 - 215 |
| PEMJNUM | 2 | ALTOGETHER, HOW MANY JOBS DID YOU HAVE? EDITED UNIVERSE: PEMJOT = 1 <u>VALID ENTRIES</u> 2 2 JOBS 3 3 JOBS 4 4 OR MORE JOBS | 216 - 217 |
| PEHRUSL1 | 2 | HOW MANY HOURS PER WEEK DO YOU USUALLY WORK AT YOUR MAIN JOB? EDITED UNIVERSE: PEMJOT = 1 OR 2 AND PEMLR = 1 OR 2 <u>VALID ENTRIES</u> -4 HOURS VARY 0 MIN VALUE 99 MAX VALUE | 218 - 219 |
| PEHRUSL2 | 2 | HOW MANY HOURS PER WEEK DO YOU USUALLY WORK AT YOUR OTHER (JOB/JOBS)? | 220 - 221 |

| <u>NAME</u> | <u>SIZE</u> | <u>DESCRIPTION</u> | <u>LOCATION</u> |
|-------------|-------------|---|-----------------|
| HETSP3O | 3 | <p>Out variable that represents the dollar amount of food stamps received per month. Created from HUSP3 or HUSP3COR. Topcode at 700.</p> <p>EDITED UNIVERSE:</p> <p>HESP1 = 1</p> <p>VALID ENTRIES:</p> <p>0: Coded as 0 1-7: Recoded as the midpoint, 4 8-700: Rounded to nearest 10 Dollars -2 Don't Know -3 Refused -9 No Response</p> | 1022-1024 |
| HESP3OTC | 2 | <p>Topcode Flag for HETSP3O</p> <p>-1 NIU 0 Not Top coded 1 Top coded</p> | 1025-1026 |
| HESP6 | 2 | <p>During the past 30 days, did any children in the household (between 5 and 18 years old) receive free or reduced-cost lunches at school?</p> <p>EDITED UNIVERSE:</p> <p>(HRPOOR = 1 OR HES9 = 1, -2, -3, or -9) AND (PRTAGE is >=5 and <=18 for any HH member)</p> <p>VALID ENTRIES:</p> <p>1 Yes 2 No -2 Don't Know -3 Refused -9 No Response</p> | 1027-1028 |

| <u>NAME</u> | <u>SIZE</u> | <u>DESCRIPTION</u> | <u>LOCATION</u> |
|-------------|-------------|--|-----------------|
| HESH2 | 2 | <p>In the last 12 months did (you/you or other adults in your household) ever cut the size of your meals or skip meals because there wasn't enough money for food?</p> <p>EDITED UNIVERSE:</p> <p>(HESS1 = 3 or 4) OR (HESS2 = 1 or 2) OR (HESS3 = 1 or 2) OR (HESS4 = 1 or 2)</p> <p>VALID ENTRIES:</p> <p>1 Yes 2 No -2 Don't Know -3 Refused -9 No Response</p> | 1053-1054 |
| HESHF2 | 2 | <p>How often did this happen--almost every month, some months but not every month, or in only 1 or 2 months?</p> <p>EDITED UNIVERSE:</p> <p>HESH2 = 1</p> <p>VALID ENTRIES:</p> <p>1 Almost every month 2 Some months but not every month 3 Only 1 or 2 months -2 Don't Know -3 Refused -9 No response</p> | 1055-1056 |
| HESHM2 | 2 | <p>Now think about the last 30 days. During that time did (you/you or other adults in your household) ever cut the size of your meals or skip meals because there wasn't enough money for food?</p> | 1057-1058 |

| <u>NAME</u> | <u>SIZE</u> | <u>DESCRIPTION</u> | <u>LOCATION</u> |
|-------------|-------------|---|-----------------|
| | | <p>EDITED UNIVERSE:</p> <p>HRSUPINT=1</p> <p>VALID ENTRIES:</p> <p>1.72:11.05 Rasch scale score assigned to Households -6 Raw Score = 0 No Scale Score Assigned -9 No Response</p> | |
| HRFS30D1 | 2 | <p>Summary Food Security Status, 30-Day Recall (Recode of HRFS30D4)</p> <p>EDITED UNIVERSE:</p> <p>HRSUPINT = 1</p> <p>VALID ENTRIES:</p> <p>1 Food Secure - High or Marginal Food Security 2 Low Food Security 3 Very Low Food Security -9 No Response</p> | 1199-1200 |
| HRFS30D2 | 2 | <p>Detailed Food Security Status, 30-Day Recall (Recode of HRFS12D4)</p> <p>EDITED UNIVERSE:</p> <p>HRSUPINT=1</p> <p>VALID ENTRIES:</p> <p>1 High Food Security 2 Marginal Food Security 3 Low Food Security 4 Very Low Food Security -9 No Response</p> | 1201-1202 |
| HRFS30D3 | 2 | <p>Food Security Raw Score, 30-Day Recall (18 possible affirmative responses to the 18 Food Security Items in the 30 Day Scale)</p> | 1203-1204 |

| <u>NAME</u> | <u>SIZE</u> | <u>DESCRIPTION</u> | <u>LOCATION</u> |
|-------------|-------------|--|-----------------|
| | | <p>EDITED UNIVERSE:</p> <p>HRSUPINT=1</p> <p>VALID ENTRIES:</p> <p>0 No Affirmative Responses or Did not pass initial screen 1:18 Number of Affirmative Responses -9 No Response</p> | |
| HRFS30D4 | 4 | <p>Food Security Rasch Scale Score, 30-Day (2 implied decimals) (Based on Raw Score (HRFS30D3) AND presence or absence of children in household)</p> <p>EDITED UNIVERSE:</p> <p>HRSUPINT=1</p> <p>VALID ENTRIES:</p> <p>1.43:13.03 Rasch scale score assigned to Households -6 Raw Score = 0 No Scale Score Assigned -9 No Response</p> | 1205-1208 |
| HRFS30D5 | 2 | <p>Children's Food Security Status, 30-Day Recall (Recode of HRFS12D7)</p> <p>EDITED UNIVERSE:</p> <p>HRSUPINT=1 and one or more persons in Household with PERRP>3 and PRTAGE 0:17.</p> <p>VALID ENTRIES:</p> <p>1 Children Food Secure High or Marginal Food Security among Children 2 Low Food Security among Children 3 Very Low Food Security among Children -9 No Response</p> | 1209-1210 |
| HRFS30D6 | 2 | <p>Children's Food Security Raw Score, 30-Day Recall</p> | 1211-1212 |

S8DCKB Enter range reported by respondent

 __ __.00

 If entry is D or R, store in S8DO

 <1-999> GOTO S8DRG

 <D, R> GOTO S9

S8DRG Add the entries in S8DCKA and S8DCKB and divide by 2. Store the calculated value in S8DO. GOTO S9.

Did you use the Spanish language version for none, some, or all of the questions about having adequate food?

<1> None

<2> Some

<3> All

*****END OF SUPPLEMENT*****

| CODE | DESCRIPTION | INDUSTRY CODE |
|-------------|---|----------------------|
| 43 | Social assistance | 8370 - 8470 |
| 44 | Arts, entertainment, and recreation | 8560 - 8590 |
| 45 | Accommodation | 8660, 8670 |
| 46 | Food services and drinking places | 8680, 8690 |
| 47 | Repair and maintenance | 8770 - 8890 |
| 48 | Personal and laundry services | 8970 - 9090 |
| 49 | Membership associations and organizations | 9160 - 9190 |
| 50 | Private households | 9290 |
| 51 | Public administration | 9370 - 9590 |
| 52 | Armed forces | 9890 |

ATTACHMENT 11

Specific Metropolitan Identifiers

(Geographic Attachment for CPS Public Use File Documentation Beginning August, 2015)

- List 1. FIPS Metropolitan Area (CBSA) Codes
- List 2. FIPS Consolidated Statistical Area (CSA) Codes
- List 3. Individual Principal Cities
- List 4: FIPS County Codes

Unless otherwise noted, all definitions for geographic areas on these lists reflect the February 28, 2013 OMB definitions.

LIST 2: FIPS Consolidated Statistical Area (CSA) Codes

The following CSA's (Combined Statistical Areas) contain 2 or more Metropolitan Statistical Areas that are in the CPS sample and are individually identified on the public use files. Micropolitan Statistical Areas are not specifically identified in the CPS and are not used to identify CSA's nor are parts of such areas coded as belonging to CSA's. The component CBSA's identified on the CPS Public Use Files are listed for each CSA.

| CSA Code | CBSA Code | CSA Title Component Parts (CBSA's) |
|----------|---|--|
| 104 | 10580 24020 | Albany-Schenectady, NY Albany-Schenectady-Troy, NY Glen Falls, NY |
| 106 | 10740 42140 | Albuquerque-Santa Fe-Las Vegas, NM Albuquerque, NM Santa Fe, NM |
| 118 | 11540 36780 | Appleton-Oshkosh-Neenah, WI Appleton, WI Oshkosh-Neenah, WI |
| 122 | 12020 12060 23580 | Atlanta--Athens-Clarke County—Sandy Springs, GA Athens-Clarke County, GA Atlanta-Sandy Springs-Roswell, GA Gainesville, GA |
| 148 | 12700 14460 31700 39300 49340 | Boston-Worcester-Providence, MA-RI-NH-CT Barnstable Town, MA Boston-Cambridge-Newton-MA-NH Manchester-Nashua, NH Providence-Warwick, RI-MA Worcester, MA-CT |
| 162 | 15980 34940 | Cape Coral-Fort Myers-Naples, FL Cape Coral, FL Naples-Immokalee-Marco Island, FL |

| CSA Code | CBSA Code | CSA Title Component Parts (CBSA's) |
|-------------|--|--|
| 348 | 31100 37100 40140 | Los Angeles-Long Beach-Riverside, CA Los Angeles-Long Beach-Santa Ana, CA Oxnard-Thousand Oaks-Ventura, CA Riverside-San Bernardino-Ontario, CA |
| 356 | 31420 47580 | Macon-Warner Robins-Fort Valley, GA Macon, GA Warner Robins, GA |
| 357 | 27500 31540 | Madison-Janesville-Beloit, WI Janesville-Beloit, WI Madison, WI |
| 370 | 33100 38940 | Miami-Fort Lauderdale-Port St. Lucie, FL Miami-Fort Lauderdale-West Palm Beach, FL Port St. Lucie-Fort Pierce, FL |
| 376 | 33340 39540 | Milwaukee-Racine-Waukesha, WI Milwaukee-Waukesha-West Allis, WI Racine, WI |
| 380 | 19300 33660 | Mobile-Daphne-Fairhope, AL Daphne-Fairhope, AL Mobile, AL |
| 408 | 10900 14860 20700 35300 35620 45940 | New York-Newark-Bridgeport, NY-NJ-CT-PA Allentown-Bethlehem-Easton, PA-NJ Bridgeport-Stamford-Norwalk, CT East Stroudsburg, PA New Haven-Milford, CT New York-Newark-Jersey City, NY-NJ-PA Trenton, NJ |
| 422 | 19660 36740 | Orlando-Deltona-Daytona Beach, FL Deltona-Daytona Beach-Ormond Beach, FL Orlando-Kissimmee-Sanford, FL |

| CBSA Code | Title City | GTINDVPC |
|--------------|--|------------------|
| 47900 | Washington-Arlington-Alexandria, DC-VA-MD-WV Virginia portion only Arlington | 2 |
| 42660 | Seattle-Tacoma-Bellevue, WA Seattle Tacoma Bellevue Everett | 1 2 3 4 |
| 33340 | Milwaukee-Waukesha-West Allis, WI Milwaukee | 1 |

They are not otherwise identified on the files. A list of such areas on the files is as follows:

| CBSA Code | Title | County Name | County Code |
|--------------|------------------------|----------------|----------------|
| 12300 | Augusta-Waterville, ME | Kennebec | 005 |
| 18180 | Concord, NH | Merrimack | 011 |
| 26090 | Holland, MI | Allegan | 005 |
| 31300 | Lumberton, NC | Robeson | 155 |
| 39060 | Pottsville, PA | Schuylkill | 107 |
| 45860 | Torrington, CT | Litchfield | 005 |

ATTACHMENT 15

ALLOCATION FLAGS

Current Population Survey

For every edited item, there is a corresponding allocation flag with the prefix "PX". The last six characters of the names are the same. For example, PXMLR is the allocation flag for PEMLR. All allocation flags have the following list of possible values.

| | |
|----|-------------------------------------|
| 00 | VALUE - NO CHANGE |
| 01 | BLANK - NO CHANGE |
| 02 | DON'T KNOW - NO CHANGE |
| 03 | REFUSED - NO CHANGE |
| 10 | VALUE TO VALUE |
| 11 | BLANK TO VALUE |
| 12 | DON'T KNOW TO VALUE |
| 13 | REFUSED TO VALUE |
| 20 | VALUE TO LONGITUDINAL VALUE |
| 21 | BLANK TO LONGITUDINAL VALUE |
| 22 | DON'T KNOW TO LONGITUDINAL VALUE |
| 23 | REFUSED TO LONGITUDINAL VALUE |
| 30 | VALUE TO ALLOCATED VALUE LONG. |
| 31 | BLANK TO ALLOCATED VALUE LONG. |
| 32 | DON'T KNOW TO ALLOCATED VALUE LONG. |
| 33 | REFUSED TO ALLOCATED VALUE LONG. |
| 40 | VALUE TO ALLOCATED VALUE |
| 41 | BLANK TO ALLOCATED VALUE |
| 42 | DON'T KNOW TO ALLOCATED VALUE |
| 43 | REFUSED TO ALLOCATED VALUE |
| 50 | VALUE TO BLANK |
| 52 | DON'T KNOW TO BLANK |
| 53 | REFUSED TO BLANK |

