

2017-2021 ACS PUMS DATA DICTIONARY

January 26, 2023

HOUSING RECORD

HOUSING RECORD-BASIC VARIABLES

**RT**            **Character**    **1**

Record Type

- H .Housing Record or Group Quarters Unit
- P .Person Record

**SERIALNO**    **Character**    **13**

Housing unit/GQ person serial number

- 2017000000001..2017999999999 .Unique identifier (2017 and .earlier)
- 2018GQ0000001..2021GQ9999999 .GQ Unique identifier (2018 and .later)
- 2018HU0000001..2021HU9999999 .HU Unique identifier (2018 and .later)

**DIVISION**    **Character**    **1**

Division code based on 2010 Census definitions

- 0 .Puerto Rico
- 1 .New England (Northeast region)
- 2 .Middle Atlantic (Northeast region)
- 3 .East North Central (Midwest region)
- 4 .West North Central (Midwest region)
- 5 .South Atlantic (South region)
- 6 .East South Central (South region)
- 7 .West South Central (South Region)
- 8 .Mountain (West region)
- 9 .Pacific (West region)

**PUMA**            **Character**    **5**

Public use microdata area code (PUMA) based on 2010 Census definition (areas with population of 100,000 or more, use with ST for unique code)

- 00100..70301 .Public use microdata area codes

**REGION**        **Character**    **1**

Region code based on 2010 Census definitions

- 1 .Northeast
- 2 .Midwest
- 3 .South
- 4 .West
- 9 .Puerto Rico

**ST**                **Character**    **2**

State code based on 2010 Census definitions

- 01 .Alabama/AL
- 02 .Alaska/AK
- 04 .Arizona/AZ

05 .Arkansas/AR  
 06 .California/CA  
 08 .Colorado/CO  
 09 .Connecticut/CT  
 10 .Delaware/DE  
 11 .District of Columbia/DC  
 12 .Florida/FL  
 13 .Georgia/GA  
 15 .Hawaii/HI  
 16 .Idaho/ID  
 17 .Illinois/IL  
 18 .Indiana/IN  
 19 .Iowa/IA  
 20 .Kansas/KS  
 21 .Kentucky/KY  
 22 .Louisiana/LA  
 23 .Maine/ME  
 24 .Maryland/MD  
 25 .Massachusetts/MA  
 26 .Michigan/MI  
 27 .Minnesota/MN  
 28 .Mississippi/MS  
 29 .Missouri/MO  
 30 .Montana/MT  
 31 .Nebraska/NE  
 32 .Nevada/NV  
 33 .New Hampshire/NH  
 34 .New Jersey/NJ  
 35 .New Mexico/NM  
 36 .New York/NY  
 37 .North Carolina/NC  
 38 .North Dakota/ND  
 39 .Ohio/OH  
 40 .Oklahoma/OK  
 41 .Oregon/OR  
 42 .Pennsylvania/PA  
 44 .Rhode Island/RI  
 45 .South Carolina/SC  
 46 .South Dakota/SD  
 47 .Tennessee/TN  
 48 .Texas/TX  
 49 .Utah/UT  
 50 .Vermont/VT  
 51 .Virginia/VA  
 53 .Washington/WA  
 54 .West Virginia/WV  
 55 .Wisconsin/WI  
 56 .Wyoming/WY  
 72 .Puerto Rico/PR

**ADJHSG Character 7**

Adjustment factor for housing dollar amounts (6 implied decimal places)

1105263 .2017 factor  
 1078962 .2018 factor  
 1059761 .2019 factor  
 1046695 .2020 factor  
 1000000 .2021 factor

**ADJINC Character 7**  
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)  
1117630 .2017 factor (1.011189 \* 1.10526316)  
1093093 .2018 factor (1.013097 \* 1.07896160)  
1070512 .2019 factor (1.010145 \* 1.05976096)  
1053131 .2020 factor (1.006149 \* 1.04669465)  
1029928 .2021 factor (1.029928 \* 1.00000000)

**WGTP Numeric 5**  
Housing Unit Weight  
0 .Group Quarter placeholder record  
1..9999 .Integer weight of housing unit

**NP Numeric 2**  
Number of persons associated with this housing record  
0 .Vacant unit  
1 .One person record (one person in household or any person .in group quarters)  
2..20 .Number of person records (number of persons in household)

**TYPEHUGQ Character 1**  
Type of unit  
1 .Housing unit  
2 .Institutional group quarters  
3 .Noninstitutional group quarters

**HOUSING RECORD-HOUSING UNIT VARIABLES**

**ACCESSINET Character 1**  
Access to the Internet  
b .N/A (GQ/vacant)  
1 .Yes, by paying a cell phone company or Internet service .provider  
2 .Yes, without paying a cell phone company or Internet service .provider  
3 .No access to the Internet at this house, apartment, or mobile .home

**ACR Character 1**  
Lot size  
b .N/A (GQ/not a one-family house or mobile home)  
1 .House on less than one acre  
2 .House on one to less than ten acres  
3 .House on ten or more acres

**AGS Character 1**  
Sales of agriculture products (yearly sales, no adjustment factor is applied)  
b .N/A (GQ/vacant/not a one-family house or mobile home/less than .1 acre)  
1 .None  
2 . \$ 1 - \$ 999  
3 . \$ 1000 - \$ 2499  
4 . \$ 2500 - \$ 4999  
5 . \$ 5000 - \$ 9999

6 . \$10000+

**BATH**            **Character**    **1**

Bathtub or shower  
b .N/A (GQ)  
1 .Yes  
2 .No

**BDSP**            **Numeric**        **2**

Number of bedrooms  
bb            .N/A (GQ)  
0..99        .0 to 99 bedrooms (Top-coded)

**BLD**            **Character**        **2**

Units in structure  
bb .N/A (GQ)  
01 .Mobile home or trailer  
02 .One-family house detached  
03 .One-family house attached  
04 .2 Apartments  
05 .3-4 Apartments  
06 .5-9 Apartments  
07 .10-19 Apartments  
08 .20-49 Apartments  
09 .50 or more apartments  
10 .Boat, RV, van, etc.

**BROADBND**      **Character**        **1**

Cellular data plan for a smartphone or other mobile device  
b .N/A (GQ/vacant/no paid access to the internet)  
1 .Yes  
2 .No

**COMPOTHX**      **Character**        **1**

Other computer equipment  
b .N/A (GQ/vacant)  
1 .Yes  
2 .No

**CONP**            **Numeric**        **4**

Condo fee (monthly amount, use ADJHSG to adjust CONP to constant dollars)  
bbbb            .N/A (GQ/vacant units/not owned or being bought)  
0..9999        . \$0 - \$9999 (Rounded and top-coded)

**DIALUP**         **Character**        **1**

Dial-up service  
b .N/A (GQ/vacant/no paid access to the internet)  
1 .Yes  
2 .No

**ELEFP**          **Character**        **1**

Electricity cost flag variable  
b .N/A (GQ/vacant)  
1 .Included in rent or in condo fee  
2 .No charge or electricity not used

3 .Valid monthly electricity cost in ELEP

**ELEP**            **Numeric**    **4**  
Electricity cost (monthly cost, use ADJHSG to adjust ELEP to constant dollars)  
      bbbb            .N/A (GQ/vacant/included in rent or in condo fee/no charge or electricity not used)  
      3..9999        .\$.3 to \$9999 (Rounded and top-coded)

**FS**              **Character**    **1**  
Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) reciprocity  
      b .N/A (vacant)  
      1 .Yes  
      2 .No

**FULFP**          **Character**    **1**  
Fuel cost flag variable  
      b .N/A (GQ/vacant)  
      1 .Included in rent or in condo fee  
      2 .No charge or fuel other than gas or electricity not used  
      3 .Valid annual fuel cost in FULP

**FULP**           **Numeric**      **4**  
Fuel cost (yearly cost for fuels other than gas and electricity, use ADJHSG to adjust FULP to constant dollars)  
      bbbb            .N/A (GQ/vacant/included in rent or in condo fee/no charge or fuel other than gas or electricity not used)  
      3..9999        .\$.3 to \$9999 (Rounded and top-coded)

**GASFP**          **Character**    **1**  
Gas cost flag variable  
      b .N/A (GQ/vacant)  
      1 .Included in rent or in condo fee  
      2 .Included in electricity payment  
      3 .No charge or gas not used  
      4 .Valid monthly gas cost in GASP

**GASP**           **Numeric**      **4**  
Gas cost (monthly cost, use ADJHSG to adjust GASP to constant dollars)  
      bbbb            .N/A (GQ/vacant/included in rent or in condo fee/included in electricity payment/no charge or gas not used)  
      4..9999        .\$.4 to \$9999 (Rounded and top-coded)

**HFL**             **Character**    **1**  
House heating fuel  
      b .N/A (GQ/vacant)  
      1 .Utility gas  
      2 .Bottled, tank, or LP gas  
      3 .Electricity  
      4 .Fuel oil, kerosene, etc.  
      5 .Coal or coke  
      6 .Wood  
      7 .Solar energy

- 8 .Other fuel
- 9 .No fuel used

**HISPEED Character 1**

Broadband (high speed) Internet service such as cable, fiber optic, or DSL service

- b .N/A (GQ/vacant/no paid access to the internet)
- 1 .Yes
- 2 .No

**HOTWAT Character 1**

Water heater (Puerto Rico only)

- b .N/A (GQ)
- 1 .Yes
- 2 .No
- 9 .Case is from the United States, HOTWAT not applicable

**INSP Numeric 5**

Fire/hazard/flood insurance (yearly amount, use ADJHSG to adjust INSP to constant dollars)

- bbbbbb .N/A (GQ/vacant/not owned or being bought)
- 0 .None
- 1..10000 .\$.1 to \$10000 (Rounded and top-coded)

**LAPTOP Character 1**

Laptop or desktop

- b .N/A (GQ/vacant)
- 1 .Yes
- 2 .No

**MHP Numeric 5**

Mobile home costs (yearly amount, use ADJHSG to adjust MHP to constant dollars)

- bbbbbb .N/A (GQ/vacant/not owned or being bought/ not mobile home)
- 0 .None
- 1..99999 .\$.1 to \$99999 (Rounded and top-coded)

**MRGI Character 1**

First mortgage payment includes fire/hazard/flood insurance

- b .N/A (GQ/vacant/not owned or being bought/not mortgaged)
- 1 .Yes, insurance included in payment
- 2 .No, insurance paid separately or no insurance

**MRGP Numeric 5**

First mortgage payment (monthly amount, use ADJHSG to adjust MRGP to constant dollars)

- bbbbbb .N/A (GQ/vacant/not owned or being bought/not mortgaged)
- 1..99999 .\$.1 to \$99999 (Rounded and top-coded)

**MRGT Character 1**

First mortgage payment includes real estate taxes

- b .N/A (GQ/vacant/not owned or being bought/not mortgaged)
- 1 .Yes, taxes included in payment
- 2 .No, taxes paid separately or taxes not required

**MRGX**            **Character**    **1**  
 First mortgage status  
 b .N/A (GQ/vacant/not owned or being bought)  
 1 .Mortgage, deed of trust, or similar debt  
 2 .Contract to purchase  
 3 .None

**OTHSVCEX**    **Character**    **1**  
 Other Internet service  
 b .N/A (GQ/vacant/no paid access to the internet)  
 1 .Yes  
 2 .No

**REFR**            **Character**    **1**  
 Refrigerator  
 b .N/A (GQ)  
 1 .Yes  
 2 .No

**RMSP**            **Numeric**       **2**  
 Number of rooms  
 bb        .N/A (GQ)  
 1..99    .Rooms (Top-coded)

**RNTM**            **Character**    **1**  
 Meals included in rent  
 b .N/A (GQ/vacant units, except 'for rent' and 'rented, not  
   .occupied'/owned or being bought/occupied without rent payment)  
 1 .Yes  
 2 .No

**RNTP**            **Numeric**       **5**  
 Monthly rent (use ADJHSG to adjust RNTP to constant dollars)  
 bbbbbb    .N/A (GQ/vacant units, except 'for rent' and  
           .'rented, not occupied'/owned or being  
           .bought/occupied without rent payment)  
 1..99999    .\$1 to \$99999 (Rounded and top-coded)

**RWAT**            **Character**    **1**  
 Hot and cold running water  
 b .N/A (GQ)  
 1 .Yes  
 2 .No  
 9 .Case is from Puerto Rico, RWAT not applicable

**RWATPR**        **Character**    **1**  
 Running water  
 b .N/A (GQ)  
 1 .Yes  
 2 .No  
 9 .Case is from the United States, RWATPR not applicable

**SATELLITE**    **Character**    **1**  
 Satellite Internet service  
 b .N/A (GQ/vacant/no paid access to the internet)  
 1 .Yes

2 .No

**SINK Character 1**

Sink with a faucet  
b .N/A (GQ)  
1 .Yes  
2 .No

**SMARTPHONE Character 1**

Smartphone  
b .N/A (GQ/vacant)  
1 .Yes  
2 .No

**SMP Numeric 5**

Total payment on all second and junior mortgages and home equity loans  
(monthly amount, use ADJHSG to adjust SMP to constant dollars)  
bbbbbb .N/A (GQ/vacant/not owned or being bought/ no second  
.or junior mortgages or home equity loans)  
0 .No regular payment  
1..99999 .\$1 to \$99999 (Rounded and top-coded)

**STOV Character 1**

Stove or range  
b .N/A (GQ)  
1 .Yes  
2 .No

**TABLET Character 1**

Tablet or other portable wireless computer  
b .N/A (GQ/vacant)  
1 .Yes  
2 .No

**TEL Character 1**

Telephone service  
b .N/A (GQ/vacant)  
1 .Yes  
2 .No  
8 .Suppressed for data year 2019 for selected PUMAs

**TEN Character 1**

Tenure  
b .N/A (GQ/vacant)  
1 .Owned with mortgage or loan (include home equity loans)  
2 .Owned free and clear  
3 .Rented  
4 .Occupied without payment of rent

**VACS Character 1**

Vacancy status  
b .N/A (GQ/occupied)  
1 .For rent  
2 .Rented, not occupied  
3 .For sale only  
4 .Sold, not occupied





- 2 .Same-sex husband/wife/spouse/household
- 3 .Opposite-sex unmarried partner household
- 4 .Same-sex unmarried partner household

**FINCP          Numeric          8**

Family income (past 12 months, use ADJINC to adjust FINCP to constant dollars)

- bbbbbbbb          .N/A (GQ/vacant)
- 0                  .No family income
- 59999            .Loss of \$59,999 or more
- 59998..-1        .Loss of \$1 to \$59,998
- 1..99999999      .Total family income in dollars (Components are rounded)

**FPARC          Character          1**

Family presence and age of related children

- b .N/A (GQ/vacant/not a family)
- 1 .With related children under 5 years only
- 2 .With related children 5 to 17 years only
- 3 .With related children under 5 years and 5 to 17 years
- 4 .No related children

**GRNTP          Numeric          5**

Gross rent (monthly amount, use ADJHSG to adjust GRNTP to constant dollars)

- bbbbbb            .N/A (GQ/vacant/owned or being bought/occupied without rent payment)
- 1..99999          . \$1 - \$99999 (Components are rounded)

**GRPIP          Numeric          3**

Gross rent as a percentage of household income past 12 months

- bbb                .N/A (GQ/vacant/owned or being bought/occupied without rent payment/no household income)
- 1..100            .1 percent to 100 percent
- 101                .101 percent or more

**HHL            Character          1**

Household language

- b .N/A (GQ/vacant)
- 1 .English only
- 2 .Spanish
- 3 .Other Indo-European languages
- 4 .Asian and Pacific Island languages
- 5 .Other language

**HHLANP        Character          4**

Detailed household language

- bbbb .N/A (GQ/vacant)
- 1000 .Jamaican Creole English
- 1025 .Other English-based Creole languages
- 1055 .Haitian
- 1069 .Kabuverdianu
- 1110 .German
- 1120 .Swiss German
- 1125 .Pennsylvania German
- 1130 .Yiddish

1132 .Dutch  
1134 .Afrikaans  
1140 .Swedish  
1141 .Danish  
1142 .Norwegian  
1155 .Italian  
1170 .French  
1175 .Cajun French  
1200 .Spanish  
1210 .Portuguese  
1220 .Romanian  
1231 .Irish  
1235 .Greek  
1242 .Albanian  
1250 .Russian  
1260 .Ukrainian  
1262 .Czech  
1263 .Slovak  
1270 .Polish  
1273 .Bulgarian  
1274 .Macedonian  
1275 .Serbocroatian  
1276 .Bosnian  
1277 .Croatian  
1278 .Serbian  
1281 .Lithuanian  
1283 .Latvian  
1288 .Armenian  
1290 .Farsi  
1292 .Dari  
1315 .Kurdish  
1327 .Pashto  
1340 .India N.E.C.  
1350 .Hindi  
1360 .Urdu  
1380 .Bengali  
1420 .Punjabi  
1435 .Konkani  
1440 .Marathi  
1450 .Gujarati  
1500 .Nepali  
1525 .Pakistan N.E.C.  
1530 .Sinhala  
1540 .Other Indo-Iranian languages  
1564 .Other Indo-European languages  
1565 .Finnish  
1582 .Hungarian  
1675 .Turkish  
1690 .Mongolian  
1730 .Telugu  
1737 .Kannada  
1750 .Malayalam  
1765 .Tamil  
1900 .Khmer  
1960 .Vietnamese  
1970 .Chinese  
2000 .Mandarin

2030 .Min Nan Chinese  
2050 .Cantonese  
2100 .Tibetan  
2160 .Burmese  
2270 .Chin languages  
2350 .Karen languages  
2430 .Thai  
2475 .Lao  
2525 .Iu Mien  
2535 .Hmong  
2560 .Japanese  
2575 .Korean  
2715 .Malay  
2770 .Indonesian  
2850 .Other languages of Asia  
2910 .Filipino  
2920 .Tagalog  
2950 .Cebuano  
3150 .Ilocano  
3190 .Other Philippine languages  
3220 .Chamorro  
3270 .Marshallese  
3350 .Chuukese  
3420 .Samoan  
3500 .Tongan  
3570 .Hawaiian  
3600 .Other Eastern Malayo-Polynesian languages  
4500 .Arabic  
4545 .Hebrew  
4560 .Assyrian Neo-Aramaic  
4565 .Chaldean Neo-Aramaic  
4590 .Amharic  
4640 .Tigrinya  
4830 .Oromo  
4840 .Somali  
4880 .Other Afro-Asiatic languages  
4900 .Nilo-Saharan languages  
5150 .Swahili  
5345 .Ganda  
5525 .Shona  
5645 .Other Bantu languages  
5845 .Manding languages  
5900 .Other Mande languages  
5940 .Fulah  
5950 .Wolof  
6120 .Akan (incl. Twi)  
6205 .Ga  
6230 .Gbe languages  
6290 .Yoruba  
6300 .Edoid languages  
6370 .Igbo  
6500 .Other Niger-Congo languages  
6795 .Other languages of Africa  
6800 .Aleut languages  
6839 .Ojibwa  
6930 .Apache languages  
6933 .Navajo

7019 .Dakota languages  
 7032 .Muskogean languages  
 7039 .Keres  
 7050 .Cherokee  
 7060 .Uto-Aztecan languages  
 7124 .Other Native North American languages  
 7300 .Other Central and South American languages  
 9500 .English only household  
 9999 .Other and unspecified languages

**HHLDRAGEP    Numeric    2**

Age of the householder  
 bb        .N/A (GQ/vacant)  
 15..99 .15 to 99 years (Top-coded)

**HHLDRHISP    Character    2**

Recoded detailed Hispanic origin of the householder  
 bb .N/A (GQ/vacant)  
 01 .Not Spanish/Hispanic/Latino  
 02 .Mexican  
 03 .Puerto Rican  
 04 .Cuban  
 05 .Dominican  
 06 .Costa Rican  
 07 .Guatemalan  
 08 .Honduran  
 09 .Nicaraguan  
 10 .Panamanian  
 11 .Salvadoran  
 12 .Other Central American  
 13 .Argentinean  
 14 .Bolivian  
 15 .Chilean  
 16 .Colombian  
 17 .Ecuadorian  
 18 .Paraguayan  
 19 .Peruvian  
 20 .Uruguayan  
 21 .Venezuelan  
 22 .Other South American  
 23 .Spaniard  
 24 .All Other Spanish/Hispanic/Latino

**HHLDRRAC1P    Character    1**

Recoded detailed race code of the householder  
 b .N/A (GQ/vacant)  
 1 .White alone  
 2 .Black or African American alone  
 3 .American Indian alone  
 4 .Alaska Native alone  
 5 .American Indian and Alaska Native tribes specified; or  
   .American Indian or Alaska Native, not specified and no other  
   .races  
 6 .Asian alone  
 7 .Native Hawaiian and Other Pacific Islander alone  
 8 .Some Other Race alone  
 9 .Two or More Races

**HHT**            **Character 1**  
Household/family type  
b .N/A (GQ/vacant)  
1 .Married couple household  
2 .Other family household: Male householder, no spouse present  
3 .Other family household: Female householder, no spouse present  
4 .Nonfamily household: Male householder: Living alone  
5 .Nonfamily household: Male householder: Not living alone  
6 .Nonfamily household: Female householder: Living alone  
7 .Nonfamily household: Female householder: Not living alone

**HHT2**           **Character 2**  
Household/family type (includes cohabiting)  
bb .N/A (GQ/vacant)  
01 .Married couple household with children of the householder  
   .less than 18  
02 .Married couple household, no children of the householder less  
   .than 18  
03 .Cohabiting couple household with children of the householder  
   .less than 18  
04 .Cohabiting couple household, no children of the householder  
   .less than 18  
05 .Female householder, no spouse/partner present, living alone  
06 .Female householder, no spouse/partner present, with children  
   .of the householder less than 18  
07 .Female householder, no spouse/partner present, with  
   .relative, no children of the householder less than 18  
08 .Female householder, no spouse/partner present, only  
   .nonrelatives present  
09 .Male householder, no spouse/partner present, living alone  
10 .Male householder, no spouse/partner present, with children of  
   .the householder less than 18  
11 .Male householder, no spouse/partner present, with relatives,  
   .no children of the householder less than 18  
12 .Male householder, no spouse/partner present, only  
   .nonrelatives present

**HINCP**          **Numeric 8**  
Household income (past 12 months, use ADJINC to adjust HINCP to  
constant dollars)  
bbbbbb            .N/A (GQ/vacant)  
0                    .No household income  
-59999            .Loss of \$59,999 or more  
-59998..-1        .Loss of \$1 to \$59,998  
1..99999999      .Total household income in dollars (Components  
                      .are rounded)

**HUGCL**          **Character 1**  
Household with grandparent living with grandchildren  
b .N/A (GQ/vacant)  
0 .Household without grandparent living with grandchildren  
1 .Household with grandparent living with grandchildren

**HUPAC**          **Character 1**  
HH presence and age of children  
b .N/A (GQ/vacant)

- 1 .With children under 6 years only
- 2 .With children 6 to 17 years only
- 3 .With children under 6 years and 6 to 17 years
- 4 .No children

**HUPAOC Character 1**

- HH presence and age of own children
- b .N/A (GQ/vacant)
  - 1 .Presence of own children under 6 years only
  - 2 .Presence of own children 6 to 17 years only
  - 3 .Presence of own children under 6 years and 6 to 17 years
  - 4 .No own children present

**HUPARC Character 1**

- HH presence and age of related children
- b .N/A (GQ/vacant)
  - 1 .Presence of related children under 6 years only
  - 2 .Presence of related children 6 to 17 years only
  - 3 .Presence of related children under 6 years and 6 to 17 years
  - 4 .No related children present

**KIT Character 1**

- Complete kitchen facilities
- b .N/A (GQ)
  - 1 .Yes, has stove or range, refrigerator, and sink with a faucet
  - 2 .No

**LNGI Character 1**

- Limited English speaking household
- b .N/A (GQ/vacant)
  - 1 .At least one person in the household 14 and over speaks English only or speaks English 'very well'
  - 2 .No one in the household 14 and over speaks English only or speaks English 'very well'

**MULTG Character 1**

- Multigenerational household
- b .N/A (GQ/Vacant/NP=0)
  - 1 .No, not a multigenerational household
  - 2 .Yes, is a multigenerational household

**MV Character 1**

- When moved into this house or apartment
- b .N/A (GQ/vacant)
  - 1 .12 months or less
  - 2 .13 to 23 months
  - 3 .2 to 4 years
  - 4 .5 to 9 years
  - 5 .10 to 19 years
  - 6 .20 to 29 years
  - 7 .30 years or more

**NOC Numeric 2**

- Number of own children in household (unweighted)
- bb .N/A (GQ/vacant)
  - 0 .No own children

1..19 .Number of own children in household

**NPF**           **Numeric**    **2**  
Number of persons in family (unweighted)  
bb       .N/A (GQ/vacant/non-family household)  
2..20 .Number of persons in family

**NPP**           **Character**   **1**  
Grandparent headed household with no parent present  
b .N/A (GQ/vacant)  
0 .Not a grandparent headed household with no parent present  
1 .Grandparent headed household with no parent present

**NR**            **Character**   **1**  
Presence of nonrelative in household  
b .N/A (GQ/vacant)  
0 .None  
1 .1 or more nonrelatives

**NRC**           **Numeric**    **2**  
Number of related children in household (unweighted)  
bb       .N/A (GQ/vacant)  
0       .No related children  
1..19 .Number of related children in household

**OCPIP**        **Numeric**    **3**  
Selected monthly owner costs as a percentage of household income during  
the past 12 months  
bbb       .N/A (GQ/vacant/not owned or being bought/no household  
          .income)  
1..100 .1 percent to 100 percent  
101     .101 percent or more

**PARTNER**      **Character**   **1**  
Unmarried partner household  
b .N/A (GQ/vacant)  
0 .No unmarried partner in household  
1 .Male householder, male partner  
2 .Male householder, female partner  
3 .Female householder, female partner  
4 .Female householder, male partner

**PLM**           **Character**   **1**  
Complete plumbing facilities  
b .N/A (GQ)  
1 .Yes, has hot and cold running water and a bathtub or shower  
   .(includes flush toilet for data collected prior to 2016)  
2 .No  
9 .Case is from Puerto Rico, PLM recode not applicable

**PLMPRP**       **Character**   **1**  
Complete plumbing facilities for Puerto Rico  
b .N/A (GQ)  
1 .Yes, has running water and a bathtub or shower (includes flush  
   toilet for data collected prior to 2016)  
2 .No



9 .Case is from the United States, PLMPRP not applicable

**PSF**            **Character**    **1**

Presence of subfamilies in household  
b .N/A (GQ/vacant)  
0 .No subfamilies  
1 .1 or more subfamilies

**R18**            **Character**    **1**

Presence of persons under 18 years in household (unweighted)  
b .N/A (GQ/vacant)  
0 .No person under 18 in household  
1 .1 or more persons under 18 in household

**R60**            **Character**    **1**

Presence of persons 60 years and over in household (unweighted)  
b .N/A (GQ/vacant)  
0 .No person 60 and over  
1 .1 person 60 and over  
2 .2 or more persons 60 and over

**R65**            **Character**    **1**

Presence of persons 65 years and over in household (unweighted)  
b .N/A (GQ/vacant)  
0 .No person 65 and over  
1 .1 person 65 and over  
2 .2 or more persons 65 and over

**RESMODE**      **Character**    **1**

Response mode  
b .N/A (GQ)  
1 .Mail  
2 .CATI/CAPI  
3 .Internet

**SMOCP**            **Numeric**      **5**

Selected monthly owner costs (use ADJHSG to adjust SMOCP to constant dollars)  
bbbbb            .N/A (GQ/vacant/not owned or being bought)  
0                .None  
1..99999        . \$1 - \$99999 (Components are rounded)

**SMX**            **Character**    **1**

Second or junior mortgage or home equity loan status  
b .N/A (GQ/vacant/not owned or being bought)  
1 .Yes, a second mortgage  
2 .Yes, a home equity loan  
3 .No  
4 .Both a second mortgage and a home equity loan

**SRNT**            **Character**    **1**

Specified rental unit  
b .N/A (GQ/vacant units, except 'for rent' and 'rented, not occupied'/owned or being bought)  
0 .A single-family home on 10 or more acres

1 .A single-family home on less than 10 acres or any other type  
.of building, including mobile homes, with no regard to acreage

**SVAL**            **Character**    **1**

Specified owner unit

- b .N/A (GQ/vacant units, except 'for sale only' and 'sold, not  
.occupied'/not owned or being bought)
- 0 .A single family home on 10 or more acres or any other type of  
.building, including mobile homes, with no regard to acreage
- 1 .A single family home on less than 10 acres (prior to 2016,  
.specified owner also required no business on property)

**TAXAMT**        **Numeric**        **5**

Property taxes (yearly real estate taxes, use ADJHSG to adjust TAXAMT  
to constant dollars)

- bbbbb            .N/A (GQ/vacant/not owned or being bought)
- 0..57500        .\$.0 to \$57500 (rounded and top-coded)

**WIF**            **Character**    **1**

Workers in family during the past 12 months

- b .N/A (GQ/vacant/non-family household)
- 0 .No workers
- 1 .1 worker
- 2 .2 workers
- 3 .3 or more workers in family

**WKEEXREL**     **Character**    **2**

Work experience of householder and spouse

- bb .N/A (GQ/vacant/not a family)
- 01 .Householder and spouse worked FT
- 02 .Householder worked FT; spouse worked less than FT
- 03 .Householder worked FT; spouse did not work
- 04 .Householder worked less than FT; spouse worked FT
- 05 .Householder worked less than FT; spouse worked less than FT
- 06 .Householder worked less than FT; spouse did not work
- 07 .Householder did not work; spouse worked FT
- 08 .Householder did not work; spouse worked less than FT
- 09 .Householder did not work; spouse did not work
- 10 .Male householder worked FT; no spouse present
- 11 .Male householder worked less than FT; no spouse present
- 12 .Male householder did not work; no spouse present
- 13 .Female householder worked FT; no spouse present
- 14 .Female householder worked less than FT; no spouse present
- 15 .Female householder did not work; no spouse present

**WORKSTAT**    **Character**    **2**

Work status of householder or spouse in family households

- bb .N/A (GQ/not a family household/same-sex married-couple  
.families)
- 01 .Husband and wife both in labor force, both employed or in  
.Armed Forces
- 02 .Husband and wife both in labor force, husband employed or in  
.Armed Forces, wife unemployed
- 03 .Husband in labor force and wife not in labor force, husband  
.employed or in Armed Forces

- 04 .Husband and wife both in labor force, husband unemployed,  
.wife employed or in Armed Forces
- 05 .Husband and wife both in labor force, husband unemployed,  
.wife unemployed
- 06 .Husband in labor force, husband unemployed, wife not in labor  
.force
- 07 .Husband not in labor force, wife in labor force, wife  
.employed or in Armed Forces
- 08 .Husband not in labor force, wife in labor force, wife  
.unemployed
- 09 .Neither husband nor wife in labor force
- 10 .Male householder with no wife present, householder in labor  
.force, employed or in Armed Forces
- 11 .Male householder with no wife present, householder in labor  
.force and unemployed
- 12 .Male householder with no wife present, householder not in  
.labor force
- 13 .Female householder with no husband present, householder in  
.labor force, employed or in Armed Forces
- 14 .Female householder with no husband present, householder in  
.labor force and unemployed
- 15 .Female householder with no husband present, householder not  
.in labor force

#### HOUSING RECORD-ALLOCATION FLAGS

**FACCESSP**      **Character**    **1**

Access to the Internet allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FACRP**      **Character**    **1**

Lot size allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FAGSP**      **Character**    **1**

Sales of Agricultural Products allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FBATHP**      **Character**    **1**

Bathtub or shower allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FBDSP**      **Character**    **1**

Number of bedrooms allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FBLDP**            **Character**    **1**  
Units in structure allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FBROADBNDP**   **Character**    **1**  
Cellular data plan for a smartphone or other mobile device allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FCOMPOTHXP**   **Character**    **1**  
Other computer equipment allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FCONP**           **Character**    **1**  
Condominium fee (monthly amount) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FDIALUPP**      **Character**    **1**  
Dial-up service allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FELEP**           **Character**    **1**  
Electricity cost (monthly cost) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FFINCP**          **Character**    **1**  
Family income (past 12 months) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FFSP**            **Character**    **1**  
Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) recipient allocation flag  
0 .No  
1 .Yes

**FFULP**           **Character**    **1**  
Fuel cost (yearly cost for fuels other than gas and electricity) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FGASP**            **Character**    **1**  
Gas cost (monthly cost) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FGRNTP**           **Character**    **1**  
Gross rent (monthly amount) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FHFLP**            **Character**    **1**  
House heating fuel allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FHINCP**           **Character**    **1**  
Household income (past 12 months) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FHISPEEDP**      **Character**    **1**  
Broadband (high speed) Internet service such as cable, fiber optic, or  
DSL service allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FHOTWATP**        **Character**    **1**  
Water heater allocation flag (Puerto Rico only)  
b .N/A (GQ)  
0 .No  
1 .Yes

**FINSF**            **Character**    **1**  
Fire, hazard, flood insurance (yearly amount) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FKITP**            **Character**    **1**  
Complete kitchen facilities allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FLAPTOPP**        **Character**    **1**  
Laptop or desktop allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FMHP**            **Character**    **1**  
 Mobile home costs (yearly amount) allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FMRGIP**        **Character**    **1**  
 First mortgage payment includes fire, hazard, flood insurance  
 allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FMRGP**        **Character**    **1**  
 First mortgage payment (monthly amount) allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FMRGTP**       **Character**    **1**  
 First mortgage payment includes real estate taxes allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FMRGXP**       **Character**    **1**  
 First mortgage status allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FMVP**        **Character**    **1**  
 When moved into this house or apartment allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FOTHSVCEXP**   **Character**    **1**  
 Other Internet service allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FPLMP**        **Character**    **1**  
 Complete plumbing facilities allocation flag  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FPLMPRP**      **Character**    **1**  
 Complete plumbing facilities allocation flag for Puerto Rico  
       b .N/A (GQ)  
       0 .No  
       1 .Yes

**FRFRP**            **Character 1**  
 Refrigerator allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FRMSP**            **Character 1**  
 Number of rooms allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FRNTMP**          **Character 1**  
 Meals included in rent allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FRNTP**            **Character 1**  
 Monthly rent allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FRWATP**          **Character 1**  
 Hot and cold running water allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FRWATPRP**        **Character 1**  
 Running water allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FSATELLITEP**     **Character 1**  
 Satellite Internet service allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FSINKP**           **Character 1**  
 Sink with a faucet allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FSMARTPHONP**    **Character 1**  
 Smartphone allocation flag  
 b .N/A (GQ)  
 0 .No  
 1 .Yes

**FSMOCP**           **Character 1**  
 Selected monthly owner cost allocation flag

b .N/A (GQ)  
0 .No  
1 .Yes

**FSMP**            **Character**    **1**  
Total payment on second and junior mortgages and home equity loans  
(monthly amount) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FSMXHP**        **Character**    **1**  
Home equity loan status allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FSMXSP**        **Character**    **1**  
Second mortgage status allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FSTOVP**        **Character**    **1**  
Stove or range allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FTABLETP**     **Character**    **1**  
Tablet or other portable wireless computer allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FTAXP**         **Character**    **1**  
Property taxes (yearly amount) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FTELP**         **Character**    **1**  
Telephone service allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FTENP**         **Character**    **1**  
Tenure allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FVACSP**        **Character**    **1**  
Vacancy status allocation flag  
b .N/A (GQ)



0 .No  
1 .Yes

**FVALP**      **Character**    **1**  
Property value allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FVEHP**      **Character**    **1**  
Vehicles available allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FWATP**      **Character**    **1**  
Water cost (yearly cost) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

**FYRBLTP**    **Character**    **1**  
When structure first built allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes

#### HOUSING RECORD-REPLICATE WEIGHTS

**WGTP1**      **Numeric**      **5**  
Housing Unit Weight replicate 1  
-9999..9999 .Integer weight of housing unit

**WGTP2**      **Numeric**      **5**  
Housing Unit Weight replicate 2  
-9999..9999 .Integer weight of housing unit

**WGTP3**      **Numeric**      **5**  
Housing Unit Weight replicate 3  
-9999..9999 .Integer weight of housing unit

**WGTP4**      **Numeric**      **5**  
Housing Unit Weight replicate 4  
-9999..9999 .Integer weight of housing unit

**WGTP5**      **Numeric**      **5**  
Housing Unit Weight replicate 5  
-9999..9999 .Integer weight of housing unit

**WGTP6**      **Numeric**      **5**  
Housing Unit Weight replicate 6  
-9999..9999 .Integer weight of housing unit

**WGTP7**      **Numeric**      **5**  
Housing Unit Weight replicate 7  
-9999..9999 .Integer weight of housing unit

**WGTP8**            **Numeric**        **5**  
 Housing Unit Weight replicate 8  
                  -9999..9999    .Integer weight of housing unit

**WGTP9**            **Numeric**        **5**  
 Housing Unit Weight replicate 9  
                  -9999..9999    .Integer weight of housing unit

**WGTP10**           **Numeric**        **5**  
 Housing Unit Weight replicate 10  
                  -9999..9999    .Integer weight of housing unit

**WGTP11**           **Numeric**        **5**  
 Housing Unit Weight replicate 11  
                  -9999..9999    .Integer weight of housing unit

**WGTP12**           **Numeric**        **5**  
 Housing Unit Weight replicate 12  
                  -9999..9999    .Integer weight of housing unit

**WGTP13**           **Numeric**        **5**  
 Housing Unit Weight replicate 13  
                  -9999..9999    .Integer weight of housing unit

**WGTP14**           **Numeric**        **5**  
 Housing Unit Weight replicate 14  
                  -9999..9999    .Integer weight of housing unit

**WGTP15**           **Numeric**        **5**  
 Housing Unit Weight replicate 15  
                  -9999..9999    .Integer weight of housing unit

**WGTP16**           **Numeric**        **5**  
 Housing Unit Weight replicate 16  
                  -9999..9999    .Integer weight of housing unit

**WGTP17**           **Numeric**        **5**  
 Housing Unit Weight replicate 17  
                  -9999..9999    .Integer weight of housing unit

**WGTP18**           **Numeric**        **5**  
 Housing Unit Weight replicate 18  
                  -9999..9999    .Integer weight of housing unit

**WGTP19**           **Numeric**        **5**  
 Housing Unit Weight replicate 19  
                  -9999..9999    .Integer weight of housing unit

**WGTP20**           **Numeric**        **5**  
 Housing Unit Weight replicate 20  
                  -9999..9999    .Integer weight of housing unit

**WGTP21**           **Numeric**        **5**  
 Housing Unit Weight replicate 21  
                  -9999..9999    .Integer weight of housing unit

**WGTP22**      **Numeric**      **5**  
 Housing Unit Weight replicate 22  
 -9999..9999    .Integer weight of housing unit

**WGTP23**      **Numeric**      **5**  
 Housing Unit Weight replicate 23  
 -9999..9999    .Integer weight of housing unit

**WGTP24**      **Numeric**      **5**  
 Housing Unit Weight replicate 24  
 -9999..9999    .Integer weight of housing unit

**WGTP25**      **Numeric**      **5**  
 Housing Unit Weight replicate 25  
 -9999..9999    .Integer weight of housing unit

**WGTP26**      **Numeric**      **5**  
 Housing Unit Weight replicate 26  
 -9999..9999    .Integer weight of housing unit

**WGTP27**      **Numeric**      **5**  
 Housing Unit Weight replicate 27  
 -9999..9999    .Integer weight of housing unit

**WGTP28**      **Numeric**      **5**  
 Housing Unit Weight replicate 28  
 -9999..9999    .Integer weight of housing unit

**WGTP29**      **Numeric**      **5**  
 Housing Unit Weight replicate 29  
 -9999..9999    .Integer weight of housing unit

**WGTP30**      **Numeric**      **5**  
 Housing Unit Weight replicate 30  
 -9999..9999    .Integer weight of housing unit

**WGTP31**      **Numeric**      **5**  
 Housing Unit Weight replicate 31  
 -9999..9999    .Integer weight of housing unit

**WGTP32**      **Numeric**      **5**  
 Housing Unit Weight replicate 32  
 -9999..9999    .Integer weight of housing unit

**WGTP33**      **Numeric**      **5**  
 Housing Unit Weight replicate 33  
 -9999..9999    .Integer weight of housing unit

**WGTP34**      **Numeric**      **5**  
 Housing Unit Weight replicate 34  
 -9999..9999    .Integer weight of housing unit

**WGTP35**      **Numeric**      **5**  
 Housing Unit Weight replicate 35  
 -9999..9999    .Integer weight of housing unit

**WGTP36**      **Numeric**      **5**  
 Housing Unit Weight replicate 36  
 -9999..9999    .Integer weight of housing unit

**WGTP37**      **Numeric**      **5**  
 Housing Unit Weight replicate 37  
 -9999..9999    .Integer weight of housing unit

**WGTP38**      **Numeric**      **5**  
 Housing Unit Weight replicate 38  
 -9999..9999    .Integer weight of housing unit

**WGTP39**      **Numeric**      **5**  
 Housing Unit Weight replicate 39  
 -9999..9999    .Integer weight of housing unit

**WGTP40**      **Numeric**      **5**  
 Housing Unit Weight replicate 40  
 -9999..9999    .Integer weight of housing unit

**WGTP41**      **Numeric**      **5**  
 Housing Unit Weight replicate 41  
 -9999..9999    .Integer weight of housing unit

**WGTP42**      **Numeric**      **5**  
 Housing Unit Weight replicate 42  
 -9999..9999    .Integer weight of housing unit

**WGTP43**      **Numeric**      **5**  
 Housing Unit Weight replicate 43  
 -9999..9999    .Integer weight of housing unit

**WGTP44**      **Numeric**      **5**  
 Housing Unit Weight replicate 44  
 -9999..9999    .Integer weight of housing unit

**WGTP45**      **Numeric**      **5**  
 Housing Unit Weight replicate 45  
 -9999..9999    .Integer weight of housing unit

**WGTP46**      **Numeric**      **5**  
 Housing Unit Weight replicate 46  
 -9999..9999    .Integer weight of housing unit

**WGTP47**      **Numeric**      **5**  
 Housing Unit Weight replicate 47  
 -9999..9999    .Integer weight of housing unit

**WGTP48**      **Numeric**      **5**  
 Housing Unit Weight replicate 48  
 -9999..9999    .Integer weight of housing unit

**WGTP49**      **Numeric**      **5**  
 Housing Unit Weight replicate 49  
 -9999..9999    .Integer weight of housing unit

**WGTP50**      **Numeric**      **5**  
 Housing Unit Weight replicate 50  
 -9999..9999    .Integer weight of housing unit

**WGTP51**      **Numeric**      **5**  
 Housing Unit Weight replicate 51  
 -9999..9999    .Integer weight of housing unit

**WGTP52**      **Numeric**      **5**  
 Housing Unit Weight replicate 52  
 -9999..9999    .Integer weight of housing unit

**WGTP53**      **Numeric**      **5**  
 Housing Unit Weight replicate 53  
 -9999..9999    .Integer weight of housing unit

**WGTP54**      **Numeric**      **5**  
 Housing Unit Weight replicate 54  
 -9999..9999    .Integer weight of housing unit

**WGTP55**      **Numeric**      **5**  
 Housing Unit Weight replicate 55  
 -9999..9999    .Integer weight of housing unit

**WGTP56**      **Numeric**      **5**  
 Housing Unit Weight replicate 56  
 -9999..9999    .Integer weight of housing unit

**WGTP57**      **Numeric**      **5**  
 Housing Unit Weight replicate 57  
 -9999..9999    .Integer weight of housing unit

**WGTP58**      **Numeric**      **5**  
 Housing Unit Weight replicate 58  
 -9999..9999    .Integer weight of housing unit

**WGTP59**      **Numeric**      **5**  
 Housing Unit Weight replicate 59  
 -9999..9999    .Integer weight of housing unit

**WGTP60**      **Numeric**      **5**  
 Housing Unit Weight replicate 60  
 -9999..9999    .Integer weight of housing unit

**WGTP61**      **Numeric**      **5**  
 Housing Unit Weight replicate 61  
 -9999..9999    .Integer weight of housing unit

**WGTP62**      **Numeric**      **5**  
 Housing Unit Weight replicate 62  
 -9999..9999    .Integer weight of housing unit

**WGTP63**      **Numeric**      **5**  
 Housing Unit Weight replicate 63  
 -9999..9999    .Integer weight of housing unit

**WGTP64**      **Numeric**      **5**  
 Housing Unit Weight replicate 64  
 -9999..9999    .Integer weight of housing unit

**WGTP65**      **Numeric**      **5**  
 Housing Unit Weight replicate 65  
 -9999..9999    .Integer weight of housing unit

**WGTP66**      **Numeric**      **5**  
 Housing Unit Weight replicate 66  
 -9999..9999    .Integer weight of housing unit

**WGTP67**      **Numeric**      **5**  
 Housing Unit Weight replicate 67  
 -9999..9999    .Integer weight of housing unit

**WGTP68**      **Numeric**      **5**  
 Housing Unit Weight replicate 68  
 -9999..9999    .Integer weight of housing unit

**WGTP69**      **Numeric**      **5**  
 Housing Unit Weight replicate 69  
 -9999..9999    .Integer weight of housing unit

**WGTP70**      **Numeric**      **5**  
 Housing Unit Weight replicate 70  
 -9999..9999    .Integer weight of housing unit

**WGTP71**      **Numeric**      **5**  
 Housing Unit Weight replicate 71  
 -9999..9999    .Integer weight of housing unit

**WGTP72**      **Numeric**      **5**  
 Housing Unit Weight replicate 72  
 -9999..9999    .Integer weight of housing unit

**WGTP73**      **Numeric**      **5**  
 Housing Unit Weight replicate 73  
 -9999..9999    .Integer weight of housing unit

**WGTP74**      **Numeric**      **5**  
 Housing Unit Weight replicate 74  
 -9999..9999    .Integer weight of housing unit

**WGTP75**      **Numeric**      **5**  
 Housing Unit Weight replicate 75  
 -9999..9999    .Integer weight of housing unit

**WGTP76**      **Numeric**      **5**  
 Housing Unit Weight replicate 76  
 -9999..9999    .Integer weight of housing unit

**WGTP77**      **Numeric**      **5**  
 Housing Unit Weight replicate 77  
 -9999..9999    .Integer weight of housing unit



2 .Midwest  
3 .South  
4 .West  
9 .Puerto Rico

**ST**

**Character 2**

State code based on 2010 Census definitions

01 .Alabama/AL  
02 .Alaska/AK  
04 .Arizona/AZ  
05 .Arkansas/AR  
06 .California/CA  
08 .Colorado/CO  
09 .Connecticut/CT  
10 .Delaware/DE  
11 .District of Columbia/DC  
12 .Florida/FL  
13 .Georgia/GA  
15 .Hawaii/HI  
16 .Idaho/ID  
17 .Illinois/IL  
18 .Indiana/IN  
19 .Iowa/IA  
20 .Kansas/KS  
21 .Kentucky/KY  
22 .Louisiana/LA  
23 .Maine/ME  
24 .Maryland/MD  
25 .Massachusetts/MA  
26 .Michigan/MI  
27 .Minnesota/MN  
28 .Mississippi/MS  
29 .Missouri/MO  
30 .Montana/MT  
31 .Nebraska/NE  
32 .Nevada/NV  
33 .New Hampshire/NH  
34 .New Jersey/NJ  
35 .New Mexico/NM  
36 .New York/NY  
37 .North Carolina/NC  
38 .North Dakota/ND  
39 .Ohio/OH  
40 .Oklahoma/OK  
41 .Oregon/OR  
42 .Pennsylvania/PA  
44 .Rhode Island/RI  
45 .South Carolina/SC  
46 .South Dakota/SD  
47 .Tennessee/TN  
48 .Texas/TX  
49 .Utah/UT  
50 .Vermont/VT  
51 .Virginia/VA  
53 .Washington/WA  
54 .West Virginia/WV  
55 .Wisconsin/WI



56 .Wyoming/WY  
72 .Puerto Rico/PR

**ADJINC Character 7**

Adjustment factor for income and earnings dollar amounts (6 implied decimal places)

1117630 .2017 factor (1.011189 \* 1.10526316)  
1093093 .2018 factor (1.013097 \* 1.07896160)  
1070512 .2019 factor (1.010145 \* 1.05976096)  
1053131 .2020 factor (1.006149 \* 1.04669465)  
1029928 .2021 factor (1.029928 \* 1.00000000)

**PWGTP Numeric 5**

Person weight

1..9999 .Integer weight of person

**PERSON RECORD-PERSON VARIABLES**

**AGEP Numeric 2**

Age

0 .Under 1 year  
1..99 .1 to 99 years (Top-coded)

**CIT Character 1**

Citizenship status

1 .Born in the U.S.  
2 .Born in Puerto Rico, Guam, the U.S. Virgin Islands, or the  
.Northern Marianas  
3 .Born abroad of U.S. citizen parent or parents  
4 .U.S. citizen by naturalization  
5 .Not a citizen of the U.S.

**CITWP Numeric 4**

Year of naturalization write-in

bbbb .Not eligible - not naturalized  
1944 .1944 or earlier (Bottom-coded)  
1945 .1945 - 1947  
1948 .1948 - 1949  
1950 .1950 - 1951  
1952 .1952  
1953 .1953  
1954 .1954  
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2017 .2017  
2018 .2018  
2019 .2019  
2020 .2020  
2021 .2021

**COW**      **Character**      **1**  
Class of worker

- b .Not in universe (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
- 1 .Employee of a private for-profit company or business, or of an individual, for wages, salary, or commissions
- 2 .Employee of a private not-for-profit, tax-exempt, or charitable organization
- 3 .Local government employee (city, county, etc.)
- 4 .State government employee
- 5 .Federal government employee
- 6 .Self-employed in own not incorporated business, professional practice, or farm
- 7 .Self-employed in own incorporated business, professional practice or farm
- 8 .Working without pay in family business or farm
- 9 .Unemployed and last worked 5 years ago or earlier or never worked

**DDRS**            **Character 1**  
 Self-care difficulty  
 b .N/A (Less than 5 years old)  
 1 .Yes  
 2 .No

**DEAR**            **Character 1**  
 Hearing difficulty  
 1 .Yes  
 2 .No

**DEYE**            **Character 1**  
 Vision difficulty  
 1 .Yes  
 2 .No

**DOUT**            **Character 1**  
 Independent living difficulty  
 b .N/A (Less than 15 years old)  
 1 .Yes  
 2 .No

**DPHY**            **Character 1**  
 Ambulatory difficulty  
 b .N/A (Less than 5 years old)  
 1 .Yes  
 2 .No

**DRAT**            **Character 1**  
 Veteran service connected disability rating (percentage)  
 b .N/A (No service-connected disability/never served in military)  
 1 .0 percent  
 2 .10 or 20 percent  
 3 .30 or 40 percent  
 4 .50 or 60 percent  
 5 .70, 80, 90, or 100 percent  
 6 .Not reported

**DRATX**      **Character 1**  
Veteran service connected disability rating (checkbox)  
b .N/A (Less than 17 years old/never served in military)  
1 .Yes  
2 .No

**DREM**      **Character 1**  
Cognitive difficulty  
b .N/A (Less than 5 years old)  
1 .Yes  
2 .No

**ENG**      **Character 1**  
Ability to speak English  
b .N/A (less than 5 years old/speaks only English)  
1 .Very well  
2 .Well  
3 .Not well  
4 .Not at all

**FER**      **Character 1**  
Gave birth to child within the past 12 months  
b .N/A (less than 15 years/greater than 50 years/male)  
1 .Yes  
2 .No

**GCL**      **Character 1**  
Grandparents living with grandchildren  
b .N/A (less than 30 years/institutional GQ)  
1 .Yes  
2 .No

**GCM**      **Character 1**  
Length of time responsible for grandchildren  
b .N/A (less than 30 years/grandparent not responsible for  
  .grandchild/institutional GQ)  
1 .Less than 6 months  
2 .6 to 11 months  
3 .1 or 2 years  
4 .3 or 4 years  
5 .5 or more years

**GCR**      **Character 1**  
Grandparents responsible for grandchildren  
b .N/A (less than 30 years/institutional GQ/grandparent not  
  .living with grandchild)  
1 .Yes  
2 .No

**HINS1**      **Character 1**  
Insurance through a current or former employer or union  
1 .Yes  
2 .No

**HINS2**      **Character 1**  
Insurance purchased directly from an insurance company

- 1 .Yes
- 2 .No

**HINS3 Character 1**

Medicare, for people 65 and older, or people with certain disabilities

- 1 .Yes
- 2 .No

**HINS4 Character 1**

Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes or a disability

- 1 .Yes
- 2 .No

**HINS5 Character 1**

TRICARE or other military health care

- 1 .Yes
- 2 .No

**HINS6 Character 1**

VA (Health Insurance through VA Health Care)

- 1 .Yes
- 2 .No

**HINS7 Character 1**

Indian Health Service

- 1 .Yes
- 2 .No

**INTP Numeric 6**

Interest, dividends, and net rental income past 12 months (signed, use ADJINC to adjust to constant dollars)

- bbbbbb .N/A (less than 15 years old)
- 0 .None
- 10000..-4 .Loss \$4 to \$10000 (Rounded and bottom-coded)
- 4..999999 .\$.4 to \$999999 (Rounded and top-coded)

**JWMNP Numeric 3**

Travel time to work

- bbb .N/A (not a worker or worker who worked from home)
- 1..200 .1 to 200 minutes to get to work (Top-coded)

**JWRIP Numeric 2**

Vehicle occupancy

- bb .N/A (not a worker or worker whose means of transportation to work was not car, truck, or van)
- 1 .Drove alone
- 2 .In 2-person carpool
- 3 .In 3-person carpool
- 4 .In 4-person carpool
- 5 .In 5-person carpool
- 6 .In 6-person carpool
- 7 .In 7-person carpool
- 8 .In 8-person carpool
- 9 .In 9-person carpool
- 10 .In 10-person or more carpool (Top-coded)

**JWTRNS**      **Character 2**  
Means of transportation to work  
bb .N/A (not a worker-not in the labor force, including persons  
    .under 16 years; unemployed; employed, with a job but not at  
    .work; Armed Forces, with a job but not at work)  
01 .Car, truck, or van  
02 .Bus  
03 .Subway or elevated rail  
04 .Long-distance train or commuter rail  
05 .Light rail, streetcar, or trolley  
06 .Ferryboat  
07 .Taxicab  
08 .Motorcycle  
09 .Bicycle  
10 .Walked  
11 .Worked from home  
12 .Other method

**LANX**      **Character 1**  
Language other than English spoken at home  
b .N/A (less than 5 years old)  
1 .Yes, speaks another language  
2 .No, speaks only English

**MAR**      **Character 1**  
Marital status  
1 .Married  
2 .Widowed  
3 .Divorced  
4 .Separated  
5 .Never married or under 15 years old

**MARHD**      **Character 1**  
Divorced in the past 12 months  
b .N/A (age less than 15 years; never married)  
1 .Yes  
2 .No  
8 .Suppressed for data year 2018 for select PUMAs

**MARHM**      **Character 1**  
Married in the past 12 months  
b .N/A (age less than 15 years; never married)  
1 .Yes  
2 .No

**MARHT**      **Character 1**  
Number of times married  
b .N/A (age less than 15 years; never married)  
1 .One time  
2 .Two times  
3 .Three or more times

**MARHW**      **Character 1**  
Widowed in the past 12 months  
b .N/A (age less than 15 years; never married)  
1 .Yes

2 .No

**MARHYP**      **Numeric**      **4**

Year last married

bbbb .N/A (age less than 15 years; never married)  
1943 .1943 or earlier (Bottom-coded)  
1944 .1944  
1945 .1945  
1946 .1946  
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2019 .2019  
2020 .2020  
2021 .2021

**MIG Character 1**

Mobility status (lived here 1 year ago)  
b .N/A (less than 1 year old)  
1 .Yes, same house (nonmovers)  
2 .No, outside US and Puerto Rico  
3 .No, different house in US or Puerto Rico

**MIL Character 1**

Military service  
b .N/A (less than 17 years old)  
1 .Now on active duty  
2 .On active duty in the past, but not now  
3 .Only on active duty for training in Reserves/National Guard  
4 .Never served in the military

**MLPA Character 1**

Served September 2001 or later  
b .N/A (Less than 17 years old/no active duty)  
0 .Did not serve this period  
1 .Served this period

**MLPB Character 1**

Served August 1990 - August 2001 (including Persian Gulf War)  
b .N/A (Less than 17 years old/no active duty)  
0 .Did not serve this period  
1 .Served this period



**MLPCD**            **Character 1**  
 Served May 1975 - July 1990  
 b .N/A (less than 17 years old/no active duty)  
 0 .Did not serve this period  
 1 .Served this period

**MLPE**            **Character 1**  
 Served Vietnam era (August 1964 - April 1975)  
 b .N/A (Less than 17 years old/no active duty)  
 0 .Did not serve this period  
 1 .Served this period

**MLPFG**          **Character 1**  
 Served February 1955 - July 1964  
 b .N/A (less than 17 years old/no active duty)  
 0 .Did not serve this period  
 1 .Served this period

**MLPH**           **Character 1**  
 Served Korean War (July 1950 - January 1955)  
 b .N/A (Less than 17 years old/no active duty)  
 0 .Did not serve this period  
 1 .Served this period

**MLPIK**          **Character 1**  
 Peacetime service before July 1950  
 b .N/A (Less than 17 years old/no active duty)  
 0 .Did not serve this period  
 1 .Served this period

**MLPJ**           **Character 1**  
 Served World War II (December 1941 - December 1946)  
 b .N/A (Less than 17 years old/no active duty)  
 0 .Did not serve this period  
 1 .Served this period

**NWAB**           **Character 1**  
 Temporary absence from work (Unedited-See 'Employment Status Recode'  
 (ESR))  
 b .N/A (less than 16 years old/at work/on layoff)  
 1 .Yes  
 2 .No  
 3 .Did not report

**NWAV**           **Character 1**  
 Available for work (Unedited-See 'Employment Status Recode' (ESR))  
 b .N/A (less than 16 years/at work/not looking)  
 1 .Yes  
 2 .No, temporarily ill  
 3 .No, other reasons  
 4 .No, unspecified  
 5 .Did not report

**NWLA**           **Character 1**  
 On layoff from work (Unedited-See 'Employment Status Recode' (ESR))  
 b .N/A (less than 16 years old/at work)

- 1 .Yes
- 2 .No
- 3 .Did not report

**NWLK**

**Character 1**

Looking for work (Unedited-See 'Employment Status Recode' (ESR))  
 b .N/A (less than 16 years old/at work/temporarily  
 .absent/informed of recall)  
 1 .Yes  
 2 .No  
 3 .Did not report

**NWRE**

**Character 1**

Informed of recall (Unedited-See 'Employment Status Recode' (ESR))  
 b .N/A (less than 16 years old/at work/not on layoff)  
 1 .Yes  
 2 .No  
 3 .Did not report

**OIP**

**Numeric 6**

All other income past 12 months (use ADJINC to adjust to constant  
 dollars)  
 bbbbbb .N/A (less than 15 years old)  
 0 .None  
 4..999999 .\$.4 to \$999999 (Rounded and top-coded)

**PAP**

**Numeric 5**

Public assistance income past 12 months (use ADJINC to adjust to  
 constant dollars)  
 bbbbbb .N/A (less than 15 years old)  
 0 .None  
 4..30000 .\$.4 to \$30000 (Rounded)

**RELSHIP**

**Character 2**

Relationship to reference person  
 20 .Reference person  
 21 .Opposite-sex husband/wife/spouse  
 22 .Opposite-sex unmarried partner  
 23 .Same-sex husband/wife/spouse  
 24 .Same-sex unmarried partner  
 25 .Biological son or daughter  
 26 .Adopted son or daughter  
 27 .Stepson or stepdaughter  
 28 .Brother or sister  
 29 .Father or mother  
 30 .Grandchild  
 31 .Parent-in-law  
 32 .Son-in-law or daughter-in-law  
 33 .Other relative  
 34 .Roommate or housemate  
 35 .Foster child  
 36 .Other nonrelative  
 37 .Institutionalized group quarters population  
 38 .Noninstitutionalized group quarters population

**RETP**            **Numeric**        **6**  
Retirement income past 12 months (use ADJINC to adjust to constant dollars)  
bbbbb            .N/A (less than 15 years old)  
0                .None  
4..999999        .\$4 to \$999999 (Rounded and top-coded)

**SCH**            **Character**        **1**  
School enrollment  
b .N/A (less than 3 years old)  
1 .No, has not attended in the last 3 months  
2 .Yes, public school or public college  
3 .Yes, private school, private college, or home school

**SCHG**           **Character**        **2**  
Grade level attending  
bb .N/A (not attending school)  
01 .Nursery school/preschool  
02 .Kindergarten  
03 .Grade 1  
04 .Grade 2  
05 .Grade 3  
06 .Grade 4  
07 .Grade 5  
08 .Grade 6  
09 .Grade 7  
10 .Grade 8  
11 .Grade 9  
12 .Grade 10  
13 .Grade 11  
14 .Grade 12  
15 .College undergraduate years (freshman to senior)  
16 .Graduate or professional school beyond a bachelor's degree

**SCHL**           **Character**        **2**  
Educational attainment  
bb .N/A (less than 3 years old)  
01 .No schooling completed  
02 .Nursery school, preschool  
03 .Kindergarten  
04 .Grade 1  
05 .Grade 2  
06 .Grade 3  
07 .Grade 4  
08 .Grade 5  
09 .Grade 6  
10 .Grade 7  
11 .Grade 8  
12 .Grade 9  
13 .Grade 10  
14 .Grade 11  
15 .12th grade - no diploma  
16 .Regular high school diploma  
17 .GED or alternative credential  
18 .Some college, but less than 1 year  
19 .1 or more years of college credit, no degree  
20 .Associate's degree

21 .Bachelor's degree  
 22 .Master's degree  
 23 .Professional degree beyond a bachelor's degree  
 24 .Doctorate degree

**SEMP**            **Numeric**        **6**  
 Self-employment income past 12 months (signed, use ADJINC to adjust  
 SEMP to constant dollars)  
       bbbbbb            .N/A (less than 15 years old)  
       0                    .None  
       -10000..-4        .Loss \$4 to \$10000 (Rounded and bottom-coded)  
       4..999999        . \$4 to \$999999 (Rounded and top-coded)

**SEX**            **Character**        **1**  
 Sex  
       1 .Male  
       2 .Female

**SSIP**            **Numeric**        **5**  
 Supplementary Security Income past 12 months (use ADJINC to adjust SSIP  
 to constant dollars)  
       bbbbbb            .N/A (less than 15 years old)  
       0                    .None  
       4..30000        . \$4 to \$30000 (Rounded)

**SSP**            **Numeric**        **5**  
 Social Security income past 12 months (use ADJINC to adjust SSP to  
 constant dollars)  
       bbbbbb            .N/A (less than 15 years old)  
       0                    .None  
       4..50000        . \$4 to \$50000 (Rounded)

**WAGP**           **Numeric**        **6**  
 Wages or salary income past 12 months (use ADJINC to adjust WAGP to  
 constant dollars)  
       bbbbbb            .N/A (less than 15 years old)  
       0                    .None  
       4..999999        . \$4 to 999999 (Rounded and top-coded)

**WKHP**           **Numeric**        **2**  
 Usual hours worked per week past 12 months  
       bb                .N/A (less than 16 years old/did not work during the past  
                               .12 months)  
       1..98            .1 to 98 usual hours  
       99                .99 or more usual hours

**WKL**            **Character**        **1**  
 When last worked  
       b .N/A (less than 16 years old)  
       1 .Within the past 12 months  
       2 .1-5 years ago  
       3 .Over 5 years ago or never worked

**WKW**            **Character**        **1**  
 Weeks worked during past 12 months

b .N/A (less than 16 years old/did not work during the past 12 months)  
 1 .50 to 52 weeks worked during past 12 months  
 2 .48 to 49 weeks worked during past 12 months  
 3 .40 to 47 weeks worked during past 12 months  
 4 .27 to 39 weeks worked during past 12 month  
 5 .14 to 26 weeks worked during past 12 months  
 6 .13 weeks or less worked during past 12 months

**WKWN**            **Numeric**        **2**

Weeks worked during past 12 months (2019 or later)  
 bb            .N/A (less than 16 years old/did not work during the past  
                  .12 months or case is from before 2019)  
 1..52        .1 to 52 weeks worked during past 12 months (2019 or  
                  .later)

**WRK**            **Character**        **1**

Worked last week  
 b .N/A (not reported)  
 1 .Worked  
 2 .Did not work

**YOEP**            **Numeric**        **4**

Year of entry  
 bbbb .Not eligible - Born in the US  
 1934 .1934 or earlier (Bottom-coded)  
 1935 .1935 - 1938  
 1939 .1939 - 1942  
 1943 .1943 - 1944  
 1945 .1945  
 1946 .1946  
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2019 .2019  
2020 .2020  
2021 .2021

**PERSON RECORD-RECODED PERSON VARIABLES**

**ANC**            **Character**    **1**  
Ancestry recode  
1 .Single  
2 .Multiple  
3 .Unclassified

4 .Not reported  
8 .Suppressed for data year 2018 for select PUMAs

**ANC1P**      **Character 3**

Ancestry recode - first entry

000 .Suppressed for data year 2018 for select PUMAs  
001 .Alsatian  
003 .Austrian  
005 .Basque  
008 .Belgian  
009 .Flemish  
011 .British  
012 .British Isles  
020 .Danish  
021 .Dutch  
022 .English  
024 .Finnish  
026 .French  
032 .German  
040 .Prussian  
046 .Greek  
049 .Icelander  
050 .Irish  
051 .Italian  
068 .Sicilian  
077 .Luxembourger  
078 .Maltese  
082 .Norwegian  
084 .Portuguese  
087 .Scotch Irish  
088 .Scottish  
089 .Swedish  
091 .Swiss  
094 .Irish Scotch  
097 .Welsh  
098 .Scandinavian  
099 .Celtic  
100 .Albanian  
102 .Belorussian  
103 .Bulgarian  
109 .Croatian  
111 .Czech  
112 .Bohemian  
114 .Czechoslovakian  
115 .Estonian  
122 .German Russian  
124 .Rom  
125 .Hungarian  
128 .Latvian  
129 .Lithuanian  
130 .Macedonian  
131 .Montenegrin  
142 .Polish  
144 .Romanian  
146 .Moldavian  
148 .Russian  
152 .Serbian

153 .Slovak  
154 .Slovene  
168 .Turkeستاني  
169 .Uzbek  
170 .Georgia CIS  
171 .Ukrainian  
176 .Yugoslavian  
177 .Bosnian and Herzegovinian  
178 .Slavic  
181 .Central European  
183 .Northern European  
185 .Southern European  
187 .Western European  
190 .Eastern European  
194 .Germanic  
195 .European  
200 .Spaniard  
210 .Mexican  
211 .Mexican American  
212 .Mexicano  
213 .Chicano  
215 .Mexican American Indian  
218 .Mexican State  
219 .Mexican Indian  
221 .Costa Rican  
222 .Guatemalan  
223 .Honduran  
224 .Nicaraguan  
225 .Panamanian  
226 .Salvadoran  
227 .Central American  
231 .Argentinean  
232 .Bolivian  
233 .Chilean  
234 .Colombian  
235 .Ecuadorian  
236 .Paraguayan  
237 .Peruvian  
238 .Uruguayan  
239 .Venezuelan  
249 .South American  
250 .Latin American  
251 .Latin  
252 .Latino  
261 .Puerto Rican  
271 .Cuban  
275 .Dominican  
290 .Hispanic  
291 .Spanish  
295 .Spanish American  
300 .Bahamian  
301 .Barbadian  
302 .Belizean  
308 .Jamaican  
310 .Dutch West Indian  
314 .Trinidadian Tobagonian  
322 .British West Indian



325 .Antigua and Barbuda  
329 .Grenadian  
330 .Vincent-Grenadine Islander  
331 .St Lucia Islander  
335 .West Indian  
336 .Haitian  
359 .Other West Indian  
360 .Brazilian  
370 .Guyanese  
400 .Algerian  
402 .Egyptian  
404 .Libyan (2017 or later)  
406 .Moroccan  
411 .North African  
416 .Iranian  
417 .Iraqi  
419 .Israeli  
421 .Jordanian  
425 .Lebanese  
427 .Saudi Arabian  
429 .Syrian  
431 .Armenian  
434 .Turkish  
435 .Yemeni  
442 .Kurdish  
465 .Palestinian  
483 .Assyrian  
484 .Chaldean  
490 .Mideast  
495 .Arab  
496 .Arabic  
499 .Other Arab  
508 .Cameroonian  
510 .Cape Verdean  
515 .Congolese  
522 .Ethiopian  
523 .Eritrean  
527 .Gambian (2017 or later)  
529 .Ghanaian  
530 .Guinean (2017 or later)  
534 .Kenyan  
541 .Liberian  
553 .Nigerian  
564 .Senegalese  
566 .Sierra Leonean  
568 .Somali  
570 .South African  
576 .Sudanese  
586 .Togo (2017 or later)  
587 .Other Subsaharan African  
588 .Ugandan  
593 .Zimbabwean (2017 or later)  
598 .Western African  
599 .African  
600 .Afghan  
603 .Bangladeshi  
607 .Bhutanese

609 .Nepali  
615 .Asian Indian  
618 .Bengali  
620 .East Indian  
650 .Punjabi  
680 .Pakistani  
690 .Sri Lankan  
700 .Burmese  
703 .Cambodian  
706 .Chinese  
707 .Cantonese  
712 .Mongolian  
714 .Tibetan  
716 .Hong Kong (2017 or later)  
720 .Filipino  
730 .Indonesian  
740 .Japanese  
748 .Okinawan  
750 .Korean  
765 .Laotian  
768 .Hmong  
770 .Malaysian  
776 .Thai  
782 .Taiwanese  
785 .Vietnamese  
793 .Eurasian (2016 or earlier)  
795 .Asian  
799 .Other Asian  
800 .Australian  
803 .New Zealander  
808 .Polynesian  
811 .Hawaiian  
814 .Samoan  
815 .Tongan  
820 .Micronesian  
821 .Guamanian  
822 .Chamorro  
825 .Marshallese  
841 .Fijian  
850 .Pacific Islander  
899 .Other Pacific  
900 .Afro American  
901 .Afro  
902 .African American  
903 .Black  
904 .Negro  
907 .Creole  
913 .Central American Indian  
914 .South American Indian  
917 .Native American  
918 .Indian  
919 .Cherokee  
920 .American Indian  
921 .Aleut (2016 or earlier)  
922 .Eskimo  
924 .White  
925 .Anglo

927 .Appalachian  
929 .Pennsylvania German  
931 .Canadian  
935 .French Canadian  
937 .Cajun  
939 .American  
940 .United States  
983 .Texas  
994 .North American  
995 .Mixture  
996 .Uncodable entries  
997 .Other groups  
998 .Other responses  
999 .Not reported

**ANC2P**      **Character**      **3**

Ancestry recode - second entry

000 .Suppressed for data year 2018 for select PUMAs  
001 .Alsatian  
003 .Austrian  
005 .Basque  
008 .Belgian  
009 .Flemish  
011 .British  
012 .British Isles  
020 .Danish  
021 .Dutch  
022 .English  
024 .Finnish  
026 .French  
032 .German  
040 .Prussian  
046 .Greek  
049 .Icelander  
050 .Irish  
051 .Italian  
068 .Sicilian  
077 .Luxembourger  
078 .Maltese  
082 .Norwegian  
084 .Portuguese  
087 .Scotch Irish  
088 .Scottish  
089 .Swedish  
091 .Swiss  
094 .Irish Scotch  
097 .Welsh  
098 .Scandinavian  
099 .Celtic  
100 .Albanian  
102 .Belorussian  
103 .Bulgarian  
109 .Croatian  
111 .Czech  
112 .Bohemian  
114 .Czechoslovakian  
115 .Estonian

122 .German Russian  
124 .Rom  
125 .Hungarian  
128 .Latvian  
129 .Lithuanian  
130 .Macedonian  
131 .Montenegrin  
142 .Polish  
144 .Romanian  
146 .Moldavian  
148 .Russian  
152 .Serbian  
153 .Slovak  
154 .Slovene  
168 .Turkeستاني  
169 .Uzbek  
170 .Georgia CIS  
171 .Ukrainian  
176 .Yugoslavian  
177 .Bosnian and Herzegovinian  
178 .Slavic  
181 .Central European  
183 .Northern European  
185 .Southern European  
187 .Western European  
190 .Eastern European  
194 .Germanic  
195 .European  
200 .Spaniard  
210 .Mexican  
211 .Mexican American  
212 .Mexicano  
213 .Chicano  
215 .Mexican American Indian  
218 .Mexican State  
219 .Mexican Indian  
221 .Costa Rican  
222 .Guatemalan  
223 .Honduran  
224 .Nicaraguan  
225 .Panamanian  
226 .Salvadoran  
227 .Central American  
231 .Argentinean  
232 .Bolivian  
233 .Chilean  
234 .Colombian  
235 .Ecuadorian  
236 .Paraguayan  
237 .Peruvian  
238 .Uruguayan  
239 .Venezuelan  
249 .South American  
250 .Latin American  
251 .Latin  
252 .Latino  
261 .Puerto Rican

271 .Cuban  
275 .Dominican  
290 .Hispanic  
291 .Spanish  
295 .Spanish American  
300 .Bahamian  
301 .Barbadian  
302 .Belizean  
308 .Jamaican  
310 .Dutch West Indian  
314 .Trinidadian Tobagonian  
322 .British West Indian  
325 .Antigua and Barbuda  
329 .Grenadian  
330 .Vincent-Grenadine Islander  
331 .St Lucia Islander  
335 .West Indian  
336 .Haitian  
359 .Other West Indian  
360 .Brazilian  
370 .Guyanese  
400 .Algerian  
402 .Egyptian  
404 .Libyan (2017 or later)  
406 .Moroccan  
411 .North African  
416 .Iranian  
417 .Iraqi  
419 .Israeli  
421 .Jordanian  
425 .Lebanese  
427 .Saudi Arabian  
429 .Syrian  
431 .Armenian  
434 .Turkish  
435 .Yemeni  
442 .Kurdish  
465 .Palestinian  
483 .Assyrian  
484 .Chaldean  
490 .Mideast  
495 .Arab  
496 .Arabic  
499 .Other Arab  
508 .Cameroonian  
510 .Cape Verdean  
515 .Congolese  
522 .Ethiopian  
523 .Eritrean  
527 .Gambian (2017 or later)  
529 .Ghanaian  
530 .Guinean (2017 or later)  
534 .Kenyan  
541 .Liberian  
553 .Nigerian  
564 .Senegalese  
566 .Sierra Leonean

568 .Somali  
570 .South African  
576 .Sudanese  
586 .Togo (2017 or later)  
587 .Other Subsaharan African  
588 .Ugandan  
593 .Zimbabwean (2017 or later)  
598 .Western African  
599 .African  
600 .Afghan  
603 .Bangladeshi  
607 .Bhutanese  
609 .Nepali  
615 .Asian Indian  
618 .Bengali  
620 .East Indian  
650 .Punjabi  
680 .Pakistani  
690 .Sri Lankan  
700 .Burmese  
703 .Cambodian  
706 .Chinese  
707 .Cantonese  
712 .Mongolian  
714 .Tibetan  
716 .Hong Kong (2017 or later)  
720 .Filipino  
730 .Indonesian  
740 .Japanese  
748 .Okinawan  
750 .Korean  
765 .Laotian  
768 .Hmong  
770 .Malaysian  
776 .Thai  
782 .Taiwanese  
785 .Vietnamese  
793 .Eurasian (2016 or earlier)  
795 .Asian  
799 .Other Asian  
800 .Australian  
803 .New Zealander  
808 .Polynesian  
811 .Hawaiian  
814 .Samoan  
815 .Tongan  
820 .Micronesian  
821 .Guamanian  
822 .Chamorro  
825 .Marshallese  
841 .Fijian  
850 .Pacific Islander  
899 .Other Pacific  
900 .Afro American  
901 .Afro  
902 .African American  
903 .Black

904 .Negro  
 907 .Creole  
 913 .Central American Indian  
 914 .South American Indian  
 917 .Native American  
 918 .Indian  
 919 .Cherokee  
 920 .American Indian  
 921 .Aleut (2016 or earlier)  
 922 .Eskimo  
 924 .White  
 925 .Anglo  
 927 .Appalachian  
 929 .Pennsylvania German  
 931 .Canadian  
 935 .French Canadian  
 937 .Cajun  
 939 .American  
 940 .United States  
 983 .Texas  
 994 .North American  
 995 .Mixture  
 996 .Uncodable entries  
 997 .Other groups  
 998 .Other responses  
 999 .Not reported

**DECADE Character 1**

Decade of entry  
 b .N/A (Born in the US)  
 1 .Before 1950  
 2 .1950 - 1959  
 3 .1960 - 1969  
 4 .1970 - 1979  
 5 .1980 - 1989  
 6 .1990 - 1999  
 7 .2000 - 2009  
 8 .2010 or later

**DIS Character 1**

Disability recode  
 1 .With a disability  
 2 .Without a disability

**DRIVESP Character 1**

Number of vehicles calculated from JWRI  
 b .N/A (Nonworker or worker who does not drive to work)  
 1 .1.000 vehicles (Drove alone)  
 2 .0.500 vehicles (In a 2-person carpool)  
 3 .0.333 vehicles (In a 3-person carpool)  
 4 .0.250 vehicles (In a 4-person carpool)  
 5 .0.200 vehicles (In a 5- or 6-person carpool)  
 6 .0.143 vehicles (In a 7-or-more person carpool)

**ESP Character 1**

Employment status of parents

- b .N/A (not own child of householder, and not child in subfamily)
- 1 .Living with two parents: both parents in labor force
- 2 .Living with two parents: Father only in labor force
- 3 .Living with two parents: Mother only in labor force
- 4 .Living with two parents: Neither parent in labor force
- 5 .Living with father: Father in the labor force
- 6 .Living with father: Father not in labor force
- 7 .Living with mother: Mother in the labor force
- 8 .Living with mother: Mother not in labor force

**ESR**            **Character 1**

Employment status recode

- b .N/A (less than 16 years old)
- 1 .Civilian employed, at work
- 2 .Civilian employed, with a job but not at work
- 3 .Unemployed
- 4 .Armed forces, at work
- 5 .Armed forces, with a job but not at work
- 6 .Not in labor force

**FOD1P**        **Character 4**

Recoded field of degree - first entry

- bbbb .N/A (less than bachelor's degree)
- 1100 .General Agriculture
- 1101 .Agriculture Production And Management
- 1102 .Agricultural Economics
- 1103 .Animal Sciences
- 1104 .Food Science
- 1105 .Plant Science And Agronomy
- 1106 .Soil Science
- 1199 .Miscellaneous Agriculture
- 1301 .Environmental Science
- 1302 .Forestry
- 1303 .Natural Resources Management
- 1401 .Architecture
- 1501 .Area Ethnic And Civilization Studies
- 1901 .Communications
- 1902 .Journalism
- 1903 .Mass Media
- 1904 .Advertising And Public Relations
- 2001 .Communication Technologies
- 2100 .Computer And Information Systems
- 2101 .Computer Programming And Data Processing
- 2102 .Computer Science
- 2105 .Information Sciences
- 2106 .Computer Administration Management And Security
- 2107 .Computer Networking And Telecommunications
- 2201 .Cosmetology Services And Culinary Arts
- 2300 .General Education
- 2301 .Educational Administration And Supervision
- 2303 .School Student Counseling
- 2304 .Elementary Education
- 2305 .Mathematics Teacher Education
- 2306 .Physical And Health Education Teaching
- 2307 .Early Childhood Education
- 2308 .Science And Computer Teacher Education
- 2309 .Secondary Teacher Education



2310 .Special Needs Education  
2311 .Social Science Or History Teacher Education  
2312 .Teacher Education: Multiple Levels  
2313 .Language And Drama Education  
2314 .Art And Music Education  
2399 .Miscellaneous Education  
2400 .General Engineering  
2401 .Aerospace Engineering  
2402 .Biological Engineering  
2403 .Architectural Engineering  
2404 .Biomedical Engineering  
2405 .Chemical Engineering  
2406 .Civil Engineering  
2407 .Computer Engineering  
2408 .Electrical Engineering  
2409 .Engineering Mechanics Physics And Science  
2410 .Environmental Engineering  
2411 .Geological And Geophysical Engineering  
2412 .Industrial And Manufacturing Engineering  
2413 .Materials Engineering And Materials Science  
2414 .Mechanical Engineering  
2415 .Metallurgical Engineering  
2416 .Mining And Mineral Engineering  
2417 .Naval Architecture And Marine Engineering  
2418 .Nuclear Engineering  
2419 .Petroleum Engineering  
2499 .Miscellaneous Engineering  
2500 .Engineering Technologies  
2501 .Engineering And Industrial Management  
2502 .Electrical Engineering Technology  
2503 .Industrial Production Technologies  
2504 .Mechanical Engineering Related Technologies  
2599 .Miscellaneous Engineering Technologies  
2601 .Linguistics And Comparative Language And Literature  
2602 .French German Latin And Other Common Foreign Language  
.Studies  
2603 .Other Foreign Languages  
2901 .Family And Consumer Sciences  
3202 .Pre-Law And Legal Studies  
3301 .English Language And Literature  
3302 .Composition And Rhetoric  
3401 .Liberal Arts  
3402 .Humanities  
3501 .Library Science  
3600 .Biology  
3601 .Biochemical Sciences  
3602 .Botany  
3603 .Molecular Biology  
3604 .Ecology  
3605 .Genetics  
3606 .Microbiology  
3607 .Pharmacology  
3608 .Physiology  
3609 .Zoology  
3611 .Neuroscience  
3699 .Miscellaneous Biology  
3700 .Mathematics

3701 .Applied Mathematics  
3702 .Statistics And Decision Science  
3801 .Military Technologies  
4000 .Multi/Interdisciplinary Studies  
4001 .Intercultural And International Studies  
4002 .Nutrition Sciences  
4005 .Mathematics And Computer Science  
4006 .Cognitive Science And Biopsychology  
4007 .Interdisciplinary Social Sciences  
4101 .Physical Fitness Parks Recreation And Leisure  
4801 .Philosophy And Religious Studies  
4901 .Theology And Religious Vocations  
5000 .Physical Sciences  
5001 .Astronomy And Astrophysics  
5002 .Atmospheric Sciences And Meteorology  
5003 .Chemistry  
5004 .Geology And Earth Science  
5005 .Geosciences  
5006 .Oceanography  
5007 .Physics  
5008 .Materials Science  
5098 .Multi-Disciplinary Or General Science  
5102 .Nuclear, Industrial Radiology, And Biological Technologies  
5200 .Psychology  
5201 .Educational Psychology  
5202 .Clinical Psychology  
5203 .Counseling Psychology  
5205 .Industrial And Organizational Psychology  
5206 .Social Psychology  
5299 .Miscellaneous Psychology  
5301 .Criminal Justice And Fire Protection  
5401 .Public Administration  
5402 .Public Policy  
5403 .Human Services And Community Organization  
5404 .Social Work  
5500 .General Social Sciences  
5501 .Economics  
5502 .Anthropology And Archeology  
5503 .Criminology  
5504 .Geography  
5505 .International Relations  
5506 .Political Science And Government  
5507 .Sociology  
5599 .Miscellaneous Social Sciences  
5601 .Construction Services  
5701 .Electrical, Mechanical, And Precision Technologies And  
.Production  
5901 .Transportation Sciences And Technologies  
6000 .Fine Arts  
6001 .Drama And Theater Arts  
6002 .Music  
6003 .Visual And Performing Arts  
6004 .Commercial Art And Graphic Design  
6005 .Film Video And Photographic Arts  
6006 .Art History And Criticism  
6007 .Studio Arts  
6099 .Miscellaneous Fine Arts

6100 .General Medical And Health Services  
 6102 .Communication Disorders Sciences And Services  
 6103 .Health And Medical Administrative Services  
 6104 .Medical Assisting Services  
 6105 .Medical Technologies Technicians  
 6106 .Health And Medical Preparatory Programs  
 6107 .Nursing  
 6108 .Pharmacy Pharmaceutical Sciences And Administration  
 6109 .Treatment Therapy Professions  
 6110 .Community And Public Health  
 6199 .Miscellaneous Health Medical Professions  
 6200 .General Business  
 6201 .Accounting  
 6202 .Actuarial Science  
 6203 .Business Management And Administration  
 6204 .Operations Logistics And E-Commerce  
 6205 .Business Economics  
 6206 .Marketing And Marketing Research  
 6207 .Finance  
 6209 .Human Resources And Personnel Management  
 6210 .International Business  
 6211 .Hospitality Management  
 6212 .Management Information Systems And Statistics  
 6299 .Miscellaneous Business and Medical Administration  
 6402 .History  
 6403 .United States History

**FOD2P**

**Character 4**

Recoded field of degree - second entry  
 bbbb .N/A (Less Than Bachelor's Degree)  
 1100 .General Agriculture  
 1101 .Agriculture Production And Management  
 1102 .Agricultural Economics  
 1103 .Animal Sciences  
 1104 .Food Science  
 1105 .Plant Science And Agronomy  
 1106 .Soil Science  
 1199 .Miscellaneous Agriculture  
 1301 .Environmental Science  
 1302 .Forestry  
 1303 .Natural Resources Management  
 1401 .Architecture  
 1501 .Area Ethnic And Civilization Studies  
 1901 .Communications  
 1902 .Journalism  
 1903 .Mass Media  
 1904 .Advertising And Public Relations  
 2001 .Communication Technologies  
 2100 .Computer And Information Systems  
 2101 .Computer Programming And Data Processing  
 2102 .Computer Science  
 2105 .Information Sciences  
 2106 .Computer Administration Management And Security  
 2107 .Computer Networking And Telecommunications  
 2201 .Cosmetology Services And Culinary Arts  
 2300 .General Education  
 2301 .Educational Administration And Supervision

2303 .School Student Counseling  
2304 .Elementary Education  
2305 .Mathematics Teacher Education  
2306 .Physical And Health Education Teaching  
2307 .Early Childhood Education  
2308 .Science And Computer Teacher Education  
2309 .Secondary Teacher Education  
2310 .Special Needs Education  
2311 .Social Science Or History Teacher Education  
2312 .Teacher Education: Multiple Levels  
2313 .Language And Drama Education  
2314 .Art And Music Education  
2399 .Miscellaneous Education  
2400 .General Engineering  
2401 .Aerospace Engineering  
2402 .Biological Engineering  
2403 .Architectural Engineering  
2404 .Biomedical Engineering  
2405 .Chemical Engineering  
2406 .Civil Engineering  
2407 .Computer Engineering  
2408 .Electrical Engineering  
2409 .Engineering Mechanics Physics And Science  
2410 .Environmental Engineering  
2411 .Geological And Geophysical Engineering  
2412 .Industrial And Manufacturing Engineering  
2413 .Materials Engineering And Materials Science  
2414 .Mechanical Engineering  
2415 .Metallurgical Engineering  
2416 .Mining And Mineral Engineering  
2417 .Naval Architecture And Marine Engineering  
2418 .Nuclear Engineering  
2419 .Petroleum Engineering  
2499 .Miscellaneous Engineering  
2500 .Engineering Technologies  
2501 .Engineering And Industrial Management  
2502 .Electrical Engineering Technology  
2503 .Industrial Production Technologies  
2504 .Mechanical Engineering Related Technologies  
2599 .Miscellaneous Engineering Technologies  
2601 .Linguistics And Comparative Language And Literature  
2602 .French German Latin And Other Common Foreign Language  
.Studies  
2603 .Other Foreign Languages  
2901 .Family And Consumer Sciences  
3202 .Pre-Law And Legal Studies  
3301 .English Language And Literature  
3302 .Composition And Rhetoric  
3401 .Liberal Arts  
3402 .Humanities  
3501 .Library Science  
3600 .Biology  
3601 .Biochemical Sciences  
3602 .Botany  
3603 .Molecular Biology  
3604 .Ecology  
3605 .Genetics

3606 .Microbiology  
3607 .Pharmacology  
3608 .Physiology  
3609 .Zoology  
3611 .Neuroscience  
3699 .Miscellaneous Biology  
3700 .Mathematics  
3701 .Applied Mathematics  
3702 .Statistics And Decision Science  
3801 .Military Technologies  
4000 .Multi/Interdisciplinary Studies  
4001 .Intercultural And International Studies  
4002 .Nutrition Sciences  
4005 .Mathematics And Computer Science  
4006 .Cognitive Science And Biopsychology  
4007 .Interdisciplinary Social Sciences  
4101 .Physical Fitness Parks Recreation And Leisure  
4801 .Philosophy And Religious Studies  
4901 .Theology And Religious Vocations  
5000 .Physical Sciences  
5001 .Astronomy And Astrophysics  
5002 .Atmospheric Sciences And Meteorology  
5003 .Chemistry  
5004 .Geology And Earth Science  
5005 .Geosciences  
5006 .Oceanography  
5007 .Physics  
5008 .Materials Science  
5098 .Multi-Disciplinary Or General Science  
5102 .Nuclear, Industrial Radiology, And Biological Technologies  
5200 .Psychology  
5201 .Educational Psychology  
5202 .Clinical Psychology  
5203 .Counseling Psychology  
5205 .Industrial And Organizational Psychology  
5206 .Social Psychology  
5299 .Miscellaneous Psychology  
5301 .Criminal Justice And Fire Protection  
5401 .Public Administration  
5402 .Public Policy  
5403 .Human Services And Community Organization  
5404 .Social Work  
5500 .General Social Sciences  
5501 .Economics  
5502 .Anthropology And Archeology  
5503 .Criminology  
5504 .Geography  
5505 .International Relations  
5506 .Political Science And Government  
5507 .Sociology  
5599 .Miscellaneous Social Sciences  
5601 .Construction Services  
5701 .Electrical, Mechanical, And Precision Technologies And  
.Production  
5901 .Transportation Sciences And Technologies  
6000 .Fine Arts  
6001 .Drama And Theater Arts

6002 .Music  
 6003 .Visual And Performing Arts  
 6004 .Commercial Art And Graphic Design  
 6005 .Film Video And Photographic Arts  
 6006 .Art History And Criticism  
 6007 .Studio Arts  
 6099 .Miscellaneous Fine Arts  
 6100 .General Medical And Health Services  
 6102 .Communication Disorders Sciences And Services  
 6103 .Health And Medical Administrative Services  
 6104 .Medical Assisting Services  
 6105 .Medical Technologies Technicians  
 6106 .Health And Medical Preparatory Programs  
 6107 .Nursing  
 6108 .Pharmacy Pharmaceutical Sciences And Administration  
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 6110 .Community And Public Health  
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 6201 .Accounting  
 6202 .Actuarial Science  
 6203 .Business Management And Administration  
 6204 .Operations Logistics And E-Commerce  
 6205 .Business Economics  
 6206 .Marketing And Marketing Research  
 6207 .Finance  
 6209 .Human Resources And Personnel Management  
 6210 .International Business  
 6211 .Hospitality Management  
 6212 .Management Information Systems And Statistics  
 6299 .Miscellaneous Business and Medical Administration  
 6402 .History  
 6403 .United States History

**HICOV**      **Character 1**  
 Health insurance coverage recode  
     1 .With health insurance coverage  
     2 .No health insurance coverage

**HISP**      **Character 2**  
 Recoded detailed Hispanic origin  
     01 .Not Spanish/Hispanic/Latino  
     02 .Mexican  
     03 .Puerto Rican  
     04 .Cuban  
     05 .Dominican  
     06 .Costa Rican  
     07 .Guatemalan  
     08 .Honduran  
     09 .Nicaraguan  
     10 .Panamanian  
     11 .Salvadoran  
     12 .Other Central American  
     13 .Argentinean  
     14 .Bolivian  
     15 .Chilean  
     16 .Colombian

- 17 .Ecuadorian
- 18 .Paraguayan
- 19 .Peruvian
- 20 .Uruguayan
- 21 .Venezuelan
- 22 .Other South American
- 23 .Spaniard
- 24 .All Other Spanish/Hispanic/Latino

**INDP**

**Character 4**

Industry recode for 2018 and later based on 2017 IND codes

- bbbb .N/A (less than 16 years old/NILF who last worked more than .5 years ago or never worked)
- 0170 .AGR-Crop Production
- 0180 .AGR-Animal Production And Aquaculture
- 0190 .AGR-Forestry Except Logging
- 0270 .AGR-Logging
- 0280 .AGR-Fishing, Hunting And Trapping
- 0290 .AGR-Support Activities For Agriculture And Forestry
- 0370 .EXT-Oil And Gas Extraction
- 0380 .EXT-Coal Mining
- 0390 .EXT-Metal Ore Mining
- 0470 .EXT-Nonmetallic Mineral Mining And Quarrying
- 0490 .EXT-Support Activities For Mining
- 0570 .UTL-Electric Power Generation, Transmission And .Distribution
- 0580 .UTL-Natural Gas Distribution
- 0590 .UTL-Electric And Gas, And Other Combinations
- 0670 .UTL-Water, Steam, Air-Conditioning, And Irrigation Systems
- 0680 .UTL-Sewage Treatment Facilities
- 0690 .UTL-Not Specified Utilities
- 0770 .CON-Construction (The Cleaning Of Buildings And Dwellings .Is Incidental During Construction And Immediately After .Construction)
- 1070 .MFG-Animal Food, Grain And Oilseed Milling
- 1080 .MFG-Sugar And Confectionery Products
- 1090 .MFG-Fruit And Vegetable Preserving And Specialty Food
- 1170 .MFG-Dairy Product
- 1180 .MFG-Animal Slaughtering And Processing
- 1190 .MFG-Retail Bakeries
- 1270 .MFG-Bakeries And Tortilla, Except Retail Bakeries
- 1280 .MFG-Seafood And Other Miscellaneous Foods, N.E.C.
- 1290 .MFG-Not Specified Food Industries
- 1370 .MFG-Beverage
- 1390 .MFG-Tobacco
- 1470 .MFG-Fiber, Yarn, And Thread Mills
- 1480 .MFG-Fabric Mills, Except Knitting Mills
- 1490 .MFG-Textile And Fabric Finishing And Fabric Coating Mills
- 1570 .MFG-Carpet And Rug Mills
- 1590 .MFG-Textile Product Mills, Except Carpet And Rug
- 1670 .MFG-Knitting Fabric Mills, And Apparel Knitting Mills
- 1691 .MFG-Cut And Sew, And Apparel Accessories And Other Apparel
- 1770 .MFG-Footwear
- 1790 .MFG-Leather And Hide Tanning And Finishing, And Other .Leather And Allied Product
- 1870 .MFG-Pulp, Paper, And Paperboard Mills
- 1880 .MFG-Paperboard Container

1890 .MFG-Miscellaneous Paper And Pulp Products  
 1990 .MFG-Printing And Related Support Activities  
 2070 .MFG-Petroleum Refining  
 2090 .MFG-Miscellaneous Petroleum And Coal Products  
 2170 .MFG-Resin, Synthetic Rubber, And Fibers And Filaments  
 2180 .MFG-Agricultural Chemical  
 2190 .MFG-Pharmaceutical And Medicine  
 2270 .MFG-Paint, Coating, And Adhesive  
 2280 .MFG-Soap, Cleaning Compound, And Cosmetics  
 2290 .MFG-Industrial And Miscellaneous Chemicals  
 2370 .MFG-Plastics Product  
 2380 .MFG-Tire  
 2390 .MFG-Rubber Products, Except Tires  
 2470 .MFG-Pottery, Ceramics, And Plumbing Fixture  
 2480 .MFG-Clay Building Material And Refractories  
 2490 .MFG-Glass And Glass Product  
 2570 .MFG-Cement, Concrete, Lime, And Gypsum Product  
 2590 .MFG-Miscellaneous Nonmetallic Mineral Product  
 2670 .MFG-Iron And Steel Mills And Steel Product  
 2680 .MFG-Aluminum Production And Processing  
 2690 .MFG-Nonferrous Metal (Except Aluminum) Production And  
 .Processing  
 2770 .MFG-Foundries  
 2780 .MFG-Metal Forgings And Stampings  
 2790 .MFG-Cutlery And Hand Tool  
 2870 .MFG-Structural Metals, And Boiler, Tank, And Shipping  
 .Container  
 2880 .MFG-Machine Shops; Turned Product; Screw, Nut, And Bolt  
 2890 .MFG-Coating, Engraving, Heat Treating, And Allied  
 .Activities  
 2970 .MFG-Ordnance  
 2980 .MFG-Miscellaneous Fabricated Metal Products  
 2990 .MFG-Not Specified Metal Industries  
 3070 .MFG-Agricultural Implement  
 3080 .MFG-Construction, And Mining And Oil And Gas Field  
 .Machinery  
 3095 .MFG-Commercial And Service Industry Machinery  
 3170 .MFG-Metalworking Machinery  
 3180 .MFG-Engine, Turbine, And Power Transmission Equipment  
 3291 .MFG-Machinery, N.E.C. Or Not Specified  
 3365 .MFG-Computer And Peripheral Equipment  
 3370 .MFG-Communications, Audio, And Video Equipment  
 3380 .MFG-Navigational, Measuring, Electromedical, And Control  
 .Instruments  
 3390 .MFG-Electronic Component And Product, N.E.C.  
 3470 .MFG-Household Appliance  
 3490 .MFG-Electric Lighting And Electrical Equipment, And Other  
 .Electrical Component, N.E.C.  
 3570 .MFG-Motor Vehicles And Motor Vehicle Equipment  
 3580 .MFG-Aircraft And Parts  
 3590 .MFG-Aerospace Products And Parts  
 3670 .MFG-Railroad Rolling Stock  
 3680 .MFG-Ship And Boat Building  
 3690 .MFG-Other Transportation Equipment  
 3770 .MFG-Sawmills And Wood Preservation  
 3780 .MFG-Veneer, Plywood, And Engineered Wood Products  
 3790 .MFG-Prefabricated Wood Buildings And Mobile Homes



3875 .MFG-Miscellaneous Wood Products  
 3895 .MFG-Furniture And Related Product  
 3960 .MFG-Medical Equipment And Supplies  
 3970 .MFG-Sporting And Athletic Goods, And Doll, Toy And Game  
 3980 .MFG-Miscellaneous Manufacturing, N.E.C.  
 3990 .MFG-Not Specified Manufacturing Industries  
 4070 .WHL-Motor Vehicle And Motor Vehicle Parts And Supplies  
       .Merchant Wholesalers  
 4080 .WHL-Furniture And Home Furnishing Merchant Wholesalers  
 4090 .WHL-Lumber And Other Construction Materials Merchant  
       .Wholesalers  
 4170 .WHL-Professional And Commercial Equipment And Supplies  
       .Merchant Wholesalers  
 4180 .WHL-Metals And Minerals, Except Petroleum, Merchant  
       .Wholesalers  
 4195 .WHL-Household Appliances And Electrical And Electronic  
       .Goods Merchant Wholesalers  
 4265 .WHL-Hardware, And Plumbing And Heating Equipment, And  
       .Supplies Merchant Wholesalers  
 4270 .WHL-Machinery, Equipment, And Supplies Merchant Wholesalers  
 4280 .WHL-Recyclable Material Merchant Wholesalers  
 4290 .WHL-Miscellaneous Durable Goods Merchant Wholesalers  
 4370 .WHL-Paper And Paper Products Merchant Wholesalers  
 4380 .WHL-Drugs, Sundries, And Chemical And Allied Products  
       .Merchant Wholesalers  
 4390 .WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers  
 4470 .WHL-Grocery And Related Product Merchant Wholesalers  
 4480 .WHL-Farm Product Raw Material Merchant Wholesalers  
 4490 .WHL-Petroleum And Petroleum Products Merchant Wholesalers  
 4560 .WHL-Alcoholic Beverages Merchant Wholesalers  
 4570 .WHL-Farm Supplies Merchant Wholesalers  
 4580 .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers  
 4585 .WHL-Wholesale Electronic Markets And Agents And Brokers  
 4590 .WHL-Not Specified Wholesale Trade  
 4670 .RET-Automobile Dealers  
 4680 .RET-Other Motor Vehicle Dealers  
 4690 .RET-Automotive Parts, Accessories, And Tire Stores  
 4770 .RET-Furniture And Home Furnishings Stores  
 4780 .RET-Household Appliance Stores  
 4795 .RET-Electronics Stores  
 4870 .RET-Building Material And Supplies Dealers  
 4880 .RET-Hardware Stores  
 4890 .RET-Lawn And Garden Equipment And Supplies Stores  
 4971 .RET-Supermarkets and Other Grocery (Except Convenience)  
       .Stores  
 4972 .RET-Convenience Stores  
 4980 .RET-Specialty Food Stores  
 4990 .RET-Beer, Wine, And Liquor Stores  
 5070 .RET-Pharmacies And Drug Stores  
 5080 .RET-Health And Personal Care, Except Drug, Stores  
 5090 .RET-Gasoline Stations  
 5170 .RET-Clothing Stores  
 5180 .RET-Shoe Stores  
 5190 .RET-Jewelry, Luggage, And Leather Goods Stores  
 5275 .RET-Sporting Goods, And Hobby And Toy Stores  
 5280 .RET-Sewing, Needlework, And Piece Goods Stores  
 5295 .RET-Musical Instrument And Supplies Stores

5370 .RET-Book Stores And News Dealers  
5381 .RET-Department Stores  
5391 .RET-General Merchandise Stores, Including Warehouse Clubs  
.and Supercenters  
5470 .RET-Florists  
5480 .RET-Office Supplies And Stationery Stores  
5490 .RET-Used Merchandise Stores  
5570 .RET-Gift, Novelty, And Souvenir Shops  
5580 .RET-Miscellaneous Retail Stores  
5593 .RET-Electronic Shopping And Mail-Order Houses  
5670 .RET-Vending Machine Operators  
5680 .RET-Fuel Dealers  
5690 .RET-Other Direct Selling Establishments  
5790 .RET-Not Specified Retail Trade  
6070 .TRN-Air Transportation  
6080 .TRN-Rail Transportation  
6090 .TRN-Water Transportation  
6170 .TRN-Truck Transportation  
6180 .TRN-Bus Service And Urban Transit  
6190 .TRN-Taxi And Limousine Service  
6270 .TRN-Pipeline Transportation  
6280 .TRN-Scenic And Sightseeing Transportation  
6290 .TRN-Services Incidental To Transportation  
6370 .TRN-Postal Service  
6380 .TRN-Couriers And Messengers  
6390 .TRN-Warehousing And Storage  
6470 .INF-Newspaper Publishers  
6480 .INF-Periodical, Book, And Directory Publishers  
6490 .INF-Software Publishers  
6570 .INF-Motion Pictures And Video Industries  
6590 .INF-Sound Recording Industries  
6670 .INF-Broadcasting (Except Internet)  
6672 .INF-Internet Publishing And Broadcasting And Web Search  
.Portals  
6680 .INF-Wired Telecommunications Carriers  
6690 .INF-Telecommunications, Except Wired Telecommunications  
.Carriers  
6695 .INF-Data Processing, Hosting, And Related Services  
6770 .INF-Libraries And Archives  
6780 .INF-Other Information Services, Except Libraries And  
.Archives, And Internet Publishing And Broadcasting And Web  
.Search Portals  
6870 .FIN-Banking And Related Activities  
6880 .FIN-Savings Institutions, Including Credit Unions  
6890 .FIN-Nondepository Credit And Related Activities  
6970 .FIN-Securities, Commodities, Funds, Trusts, And Other  
.Financial Investments  
6991 .FIN-Insurance Carriers  
6992 .FIN-Agencies, Brokerages, And Other Insurance Related  
.Activities  
7071 .FIN-Lessors Of Real Estate, And Offices Of Real Estate  
.Agents And Brokers  
7072 .FIN-Real Estate Property Managers, Offices Of Real Estate  
.Appraisers, And Other Activities Related To Real Estate  
7080 .FIN-Automotive Equipment Rental And Leasing  
7181 .FIN-Other Consumer Goods Rental

7190 .FIN-Commercial, Industrial, And Other Intangible Assets  
       .Rental And Leasing  
 7270 .PRF-Legal Services  
 7280 .PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll  
       .Services  
 7290 .PRF-Architectural, Engineering, And Related Services  
 7370 .PRF-Specialized Design Services  
 7380 .PRF-Computer Systems Design And Related Services  
 7390 .PRF-Management, Scientific, And Technical Consulting  
       .Services  
 7460 .PRF-Scientific Research And Development Services  
 7470 .PRF-Advertising, Public Relations, And Related Services  
 7480 .PRF-Veterinary Services  
 7490 .PRF-Other Professional, Scientific, And Technical Services  
 7570 .PRF-Management Of Companies And Enterprises  
 7580 .PRF-Employment Services  
 7590 .PRF-Business Support Services  
 7670 .PRF-Travel Arrangements And Reservation Services  
 7680 .PRF-Investigation And Security Services  
 7690 .PRF-Services To Buildings And Dwellings (Except Cleaning  
       .During Construction And Immediately After Construction)  
 7770 .PRF-Landscaping Services  
 7780 .PRF-Other Administrative And Other Support Services  
 7790 .PRF-Waste Management And Remediation Services  
 7860 .EDU-Elementary And Secondary Schools  
 7870 .EDU-Colleges, Universities, And Professional Schools,  
       .Including Junior Colleges  
 7880 .EDU-Business, Technical, And Trade Schools And Training  
 7890 .EDU-Other Schools And Instruction, And Educational Support  
       .Services  
 7970 .MED-Offices Of Physicians  
 7980 .MED-Offices Of Dentists  
 7990 .MED-Offices Of Chiropractors  
 8070 .MED-Offices Of Optometrists  
 8080 .MED-Offices Of Other Health Practitioners  
 8090 .MED-Outpatient Care Centers  
 8170 .MED-Home Health Care Services  
 8180 .MED-Other Health Care Services  
 8191 .MED-General Medical And Surgical Hospitals, And Specialty  
       .(Except Psychiatric And Substance Abuse) Hospitals  
 8192 .MED-Psychiatric And Substance Abuse Hospitals  
 8270 .MED-Nursing Care Facilities (Skilled Nursing Facilities)  
 8290 .MED-Residential Care Facilities, Except Skilled Nursing  
       .Facilities  
 8370 .SCA-Individual And Family Services  
 8380 .SCA-Community Food And Housing, And Emergency Services  
 8390 .SCA-Vocational Rehabilitation Services  
 8470 .SCA-Child Day Care Services  
 8561 .ENT-Performing Arts Companies  
 8562 .ENT-Spectator Sports  
 8563 .ENT-Promoters Of Performing Arts, Sports, And Similar  
       .Events, Agents And Managers For Artists, Athletes,  
       .Entertainers, And Other Public Figures  
 8564 .ENT-Independent Artists, Writers, And Performers  
 8570 .ENT-Museums, Art Galleries, Historical Sites, And Similar  
       .Institutions  
 8580 .ENT-Bowling Centers

8590 .ENT-Other Amusement, Gambling, And Recreation Industries  
 8660 .ENT-Traveler Accommodation  
 8670 .ENT-Recreational Vehicle Parks And Camps, And Rooming And  
       .Boarding Houses, Dormitories, And Workers' Camps  
 8680 .ENT-Restaurants And Other Food Services  
 8690 .ENT-Drinking Places, Alcoholic Beverages  
 8770 .SRV-Automotive Repair And Maintenance  
 8780 .SRV-Car Washes  
 8790 .SRV-Electronic And Precision Equipment Repair And  
       .Maintenance  
 8870 .SRV-Commercial And Industrial Machinery And Equipment  
       .Repair And Maintenance  
 8891 .SRV-Personal And Household Goods Repair And Maintenance  
 8970 .SRV-Barber Shops  
 8980 .SRV-Beauty Salons  
 8990 .SRV-Nail Salons And Other Personal Care Services  
 9070 .SRV-Drycleaning And Laundry Services  
 9080 .SRV-Funeral Homes, And Cemeteries And Crematories  
 9090 .SRV-Other Personal Services  
 9160 .SRV-Religious Organizations  
 9170 .SRV-Civic, Social, Advocacy Organizations, And Grantmaking  
       .And Giving Services  
 9180 .SRV-Labor Unions  
 9190 .SRV-Business, Professional, Political, And Similar  
       .Organizations  
 9290 .SRV-Private Households  
 9370 .ADM-Executive Offices And Legislative Bodies  
 9380 .ADM-Public Finance Activities  
 9390 .ADM-Other General Government And Support  
 9470 .ADM-Justice, Public Order, And Safety Activities  
 9480 .ADM-Administration Of Human Resource Programs  
 9490 .ADM-Administration Of Environmental Quality And Housing  
       .Programs  
 9570 .ADM-Administration Of Economic Programs And Space Research  
 9590 .ADM-National Security And International Affairs  
 9670 .MIL-U.S. Army  
 9680 .MIL-U.S. Air Force  
 9690 .MIL-U.S. Navy  
 9770 .MIL-U.S. Marines  
 9780 .MIL-U.S. Coast Guard  
 9790 .MIL-Armed Forces, Branch Not Specified  
 9870 .MIL-Military Reserves Or National Guard  
 9920 .Unemployed, With No Work Experience In The Last 5 Years Or  
       .Earlier Or Never Worked

**JWAP**

**Character 3**

Time of arrival at work - hour and minute

bbb .N/A (not a worker; worker who worked at home)  
 001 .12:00 a.m. to 12:04 a.m.  
 002 .12:05 a.m. to 12:09 a.m.  
 003 .12:10 a.m. to 12:14 a.m.  
 004 .12:15 a.m. to 12:19 a.m.  
 005 .12:20 a.m. to 12:24 a.m.  
 006 .12:25 a.m. to 12:29 a.m.  
 007 .12:30 a.m. to 12:39 a.m.  
 008 .12:40 a.m. to 12:44 a.m.  
 009 .12:45 a.m. to 12:49 a.m.

010 .12:50 a.m. to 12:59 a.m.  
011 .1:00 a.m. to 1:04 a.m.  
012 .1:05 a.m. to 1:09 a.m.  
013 .1:10 a.m. to 1:14 a.m.  
014 .1:15 a.m. to 1:19 a.m.  
015 .1:20 a.m. to 1:24 a.m.  
016 .1:25 a.m. to 1:29 a.m.  
017 .1:30 a.m. to 1:34 a.m.  
018 .1:35 a.m. to 1:39 a.m.  
019 .1:40 a.m. to 1:44 a.m.  
020 .1:45 a.m. to 1:49 a.m.  
021 .1:50 a.m. to 1:59 a.m.  
022 .2:00 a.m. to 2:04 a.m.  
023 .2:05 a.m. to 2:09 a.m.  
024 .2:10 a.m. to 2:14 a.m.  
025 .2:15 a.m. to 2:19 a.m.  
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032 .2:50 a.m. to 2:54 a.m.  
033 .2:55 a.m. to 2:59 a.m.  
034 .3:00 a.m. to 3:04 a.m.  
035 .3:05 a.m. to 3:09 a.m.  
036 .3:10 a.m. to 3:14 a.m.  
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176 .2:50 p.m. to 2:54 p.m.  
177 .2:55 p.m. to 2:59 p.m.  
178 .3:00 p.m. to 3:04 p.m.  
179 .3:05 p.m. to 3:09 p.m.  
180 .3:10 p.m. to 3:14 p.m.

181 .3:15 p.m. to 3:19 p.m.  
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185 .3:35 p.m. to 3:39 p.m.  
186 .3:40 p.m. to 3:44 p.m.  
187 .3:45 p.m. to 3:49 p.m.  
188 .3:50 p.m. to 3:54 p.m.  
189 .3:55 p.m. to 3:59 p.m.  
190 .4:00 p.m. to 4:04 p.m.  
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198 .4:40 p.m. to 4:44 p.m.  
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201 .4:55 p.m. to 4:59 p.m.  
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208 .5:30 p.m. to 5:34 p.m.  
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210 .5:40 p.m. to 5:44 p.m.  
211 .5:45 p.m. to 5:49 p.m.  
212 .5:50 p.m. to 5:54 p.m.  
213 .5:55 p.m. to 5:59 p.m.  
214 .6:00 p.m. to 6:04 p.m.  
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222 .6:40 p.m. to 6:44 p.m.  
223 .6:45 p.m. to 6:49 p.m.  
224 .6:50 p.m. to 6:54 p.m.  
225 .6:55 p.m. to 6:59 p.m.  
226 .7:00 p.m. to 7:04 p.m.  
227 .7:05 p.m. to 7:09 p.m.  
228 .7:10 p.m. to 7:14 p.m.  
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232 .7:30 p.m. to 7:34 p.m.  
233 .7:35 p.m. to 7:39 p.m.  
234 .7:40 p.m. to 7:44 p.m.  
235 .7:45 p.m. to 7:49 p.m.  
236 .7:50 p.m. to 7:54 p.m.  
237 .7:55 p.m. to 7:59 p.m.



238 .8:00 p.m. to 8:04 p.m.  
239 .8:05 p.m. to 8:09 p.m.  
240 .8:10 p.m. to 8:14 p.m.  
241 .8:15 p.m. to 8:19 p.m.  
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244 .8:30 p.m. to 8:34 p.m.  
245 .8:35 p.m. to 8:39 p.m.  
246 .8:40 p.m. to 8:44 p.m.  
247 .8:45 p.m. to 8:49 p.m.  
248 .8:50 p.m. to 8:54 p.m.  
249 .8:55 p.m. to 8:59 p.m.  
250 .9:00 p.m. to 9:04 p.m.  
251 .9:05 p.m. to 9:09 p.m.  
252 .9:10 p.m. to 9:14 p.m.  
253 .9:15 p.m. to 9:19 p.m.  
254 .9:20 p.m. to 9:24 p.m.  
255 .9:25 p.m. to 9:29 p.m.  
256 .9:30 p.m. to 9:34 p.m.  
257 .9:35 p.m. to 9:39 p.m.  
258 .9:40 p.m. to 9:44 p.m.  
259 .9:45 p.m. to 9:49 p.m.  
260 .9:50 p.m. to 9:54 p.m.  
261 .9:55 p.m. to 9:59 p.m.  
262 .10:00 p.m. to 10:04 p.m.  
263 .10:05 p.m. to 10:09 p.m.  
264 .10:10 p.m. to 10:14 p.m.  
265 .10:15 p.m. to 10:19 p.m.  
266 .10:20 p.m. to 10:24 p.m.  
267 .10:25 p.m. to 10:29 p.m.  
268 .10:30 p.m. to 10:34 p.m.  
269 .10:35 p.m. to 10:39 p.m.  
270 .10:40 p.m. to 10:44 p.m.  
271 .10:45 p.m. to 10:49 p.m.  
272 .10:50 p.m. to 10:54 p.m.  
273 .10:55 p.m. to 10:59 p.m.  
274 .11:00 p.m. to 11:04 p.m.  
275 .11:05 p.m. to 11:09 p.m.  
276 .11:10 p.m. to 11:14 p.m.  
277 .11:15 p.m. to 11:19 p.m.  
278 .11:20 p.m. to 11:24 p.m.  
279 .11:25 p.m. to 11:29 p.m.  
280 .11:30 p.m. to 11:34 p.m.  
281 .11:35 p.m. to 11:39 p.m.  
282 .11:40 p.m. to 11:44 p.m.  
283 .11:45 p.m. to 11:49 p.m.  
284 .11:50 p.m. to 11:54 p.m.  
285 .11:55 p.m. to 11:59 p.m.

JWDP

**Character 3**

Time of departure for work - hour and minute

bbb .N/A (not a worker; worker who worked at home)

001 .12:00 a.m. to 12:29 a.m.  
002 .12:30 a.m. to 12:59 a.m.  
003 .1:00 a.m. to 1:29 a.m.  
004 .1:30 a.m. to 1:59 a.m.  
005 .2:00 a.m. to 2:29 a.m.

006 .2:30 a.m. to 2:59 a.m.  
007 .3:00 a.m. to 3:09 a.m.  
008 .3:10 a.m. to 3:19 a.m.  
009 .3:20 a.m. to 3:29 a.m.  
010 .3:30 a.m. to 3:39 a.m.  
011 .3:40 a.m. to 3:49 a.m.  
012 .3:50 a.m. to 3:59 a.m.  
013 .4:00 a.m. to 4:09 a.m.  
014 .4:10 a.m. to 4:19 a.m.  
015 .4:20 a.m. to 4:29 a.m.  
016 .4:30 a.m. to 4:39 a.m.  
017 .4:40 a.m. to 4:49 a.m.  
018 .4:50 a.m. to 4:59 a.m.  
019 .5:00 a.m. to 5:04 a.m.  
020 .5:05 a.m. to 5:09 a.m.  
021 .5:10 a.m. to 5:14 a.m.  
022 .5:15 a.m. to 5:19 a.m.  
023 .5:20 a.m. to 5:24 a.m.  
024 .5:25 a.m. to 5:29 a.m.  
025 .5:30 a.m. to 5:34 a.m.  
026 .5:35 a.m. to 5:39 a.m.  
027 .5:40 a.m. to 5:44 a.m.  
028 .5:45 a.m. to 5:49 a.m.  
029 .5:50 a.m. to 5:54 a.m.  
030 .5:55 a.m. to 5:59 a.m.  
031 .6:00 a.m. to 6:04 a.m.  
032 .6:05 a.m. to 6:09 a.m.  
033 .6:10 a.m. to 6:14 a.m.  
034 .6:15 a.m. to 6:19 a.m.  
035 .6:20 a.m. to 6:24 a.m.  
036 .6:25 a.m. to 6:29 a.m.  
037 .6:30 a.m. to 6:34 a.m.  
038 .6:35 a.m. to 6:39 a.m.  
039 .6:40 a.m. to 6:44 a.m.  
040 .6:45 a.m. to 6:49 a.m.  
041 .6:50 a.m. to 6:54 a.m.  
042 .6:55 a.m. to 6:59 a.m.  
043 .7:00 a.m. to 7:04 a.m.  
044 .7:05 a.m. to 7:09 a.m.  
045 .7:10 a.m. to 7:14 a.m.  
046 .7:15 a.m. to 7:19 a.m.  
047 .7:20 a.m. to 7:24 a.m.  
048 .7:25 a.m. to 7:29 a.m.  
049 .7:30 a.m. to 7:34 a.m.  
050 .7:35 a.m. to 7:39 a.m.  
051 .7:40 a.m. to 7:44 a.m.  
052 .7:45 a.m. to 7:49 a.m.  
053 .7:50 a.m. to 7:54 a.m.  
054 .7:55 a.m. to 7:59 a.m.  
055 .8:00 a.m. to 8:04 a.m.  
056 .8:05 a.m. to 8:09 a.m.  
057 .8:10 a.m. to 8:14 a.m.  
058 .8:15 a.m. to 8:19 a.m.  
059 .8:20 a.m. to 8:24 a.m.  
060 .8:25 a.m. to 8:29 a.m.  
061 .8:30 a.m. to 8:34 a.m.  
062 .8:35 a.m. to 8:39 a.m.

063 .8:40 a.m. to 8:44 a.m.  
064 .8:45 a.m. to 8:49 a.m.  
065 .8:50 a.m. to 8:54 a.m.  
066 .8:55 a.m. to 8:59 a.m.  
067 .9:00 a.m. to 9:04 a.m.  
068 .9:05 a.m. to 9:09 a.m.  
069 .9:10 a.m. to 9:14 a.m.  
070 .9:15 a.m. to 9:19 a.m.  
071 .9:20 a.m. to 9:24 a.m.  
072 .9:25 a.m. to 9:29 a.m.  
073 .9:30 a.m. to 9:34 a.m.  
074 .9:35 a.m. to 9:39 a.m.  
075 .9:40 a.m. to 9:44 a.m.  
076 .9:45 a.m. to 9:49 a.m.  
077 .9:50 a.m. to 9:54 a.m.  
078 .9:55 a.m. to 9:59 a.m.  
079 .10:00 a.m. to 10:09 a.m.  
080 .10:10 a.m. to 10:19 a.m.  
081 .10:20 a.m. to 10:29 a.m.  
082 .10:30 a.m. to 10:39 a.m.  
083 .10:40 a.m. to 10:49 a.m.  
084 .10:50 a.m. to 10:59 a.m.  
085 .11:00 a.m. to 11:09 a.m.  
086 .11:10 a.m. to 11:19 a.m.  
087 .11:20 a.m. to 11:29 a.m.  
088 .11:30 a.m. to 11:39 a.m.  
089 .11:40 a.m. to 11:49 a.m.  
090 .11:50 a.m. to 11:59 a.m.  
091 .12:00 p.m. to 12:09 p.m.  
092 .12:10 p.m. to 12:19 p.m.  
093 .12:20 p.m. to 12:29 p.m.  
094 .12:30 p.m. to 12:39 p.m.  
095 .12:40 p.m. to 12:49 p.m.  
096 .12:50 p.m. to 12:59 p.m.  
097 .1:00 p.m. to 1:09 p.m.  
098 .1:10 p.m. to 1:19 p.m.  
099 .1:20 p.m. to 1:29 p.m.  
100 .1:30 p.m. to 1:39 p.m.  
101 .1:40 p.m. to 1:49 p.m.  
102 .1:50 p.m. to 1:59 p.m.  
103 .2:00 p.m. to 2:09 p.m.  
104 .2:10 p.m. to 2:19 p.m.  
105 .2:20 p.m. to 2:29 p.m.  
106 .2:30 p.m. to 2:39 p.m.  
107 .2:40 p.m. to 2:49 p.m.  
108 .2:50 p.m. to 2:59 p.m.  
109 .3:00 p.m. to 3:09 p.m.  
110 .3:10 p.m. to 3:19 p.m.  
111 .3:20 p.m. to 3:29 p.m.  
112 .3:30 p.m. to 3:39 p.m.  
113 .3:40 p.m. to 3:49 p.m.  
114 .3:50 p.m. to 3:59 p.m.  
115 .4:00 p.m. to 4:09 p.m.  
116 .4:10 p.m. to 4:19 p.m.  
117 .4:20 p.m. to 4:29 p.m.  
118 .4:30 p.m. to 4:39 p.m.  
119 .4:40 p.m. to 4:49 p.m.

120 .4:50 p.m. to 4:59 p.m.  
 121 .5:00 p.m. to 5:09 p.m.  
 122 .5:10 p.m. to 5:19 p.m.  
 123 .5:20 p.m. to 5:29 p.m.  
 124 .5:30 p.m. to 5:39 p.m.  
 125 .5:40 p.m. to 5:49 p.m.  
 126 .5:50 p.m. to 5:59 p.m.  
 127 .6:00 p.m. to 6:09 p.m.  
 128 .6:10 p.m. to 6:19 p.m.  
 129 .6:20 p.m. to 6:29 p.m.  
 130 .6:30 p.m. to 6:39 p.m.  
 131 .6:40 p.m. to 6:49 p.m.  
 132 .6:50 p.m. to 6:59 p.m.  
 133 .7:00 p.m. to 7:29 p.m.  
 134 .7:30 p.m. to 7:59 p.m.  
 135 .8:00 p.m. to 8:29 p.m.  
 136 .8:30 p.m. to 8:59 p.m.  
 137 .9:00 p.m. to 9:09 p.m.  
 138 .9:10 p.m. to 9:19 p.m.  
 139 .9:20 p.m. to 9:29 p.m.  
 140 .9:30 p.m. to 9:39 p.m.  
 141 .9:40 p.m. to 9:49 p.m.  
 142 .9:50 p.m. to 9:59 p.m.  
 143 .10:00 p.m. to 10:09 p.m.  
 144 .10:10 p.m. to 10:19 p.m.  
 145 .10:20 p.m. to 10:29 p.m.  
 146 .10:30 p.m. to 10:39 p.m.  
 147 .10:40 p.m. to 10:49 p.m.  
 148 .10:50 p.m. to 10:59 p.m.  
 149 .11:00 p.m. to 11:29 p.m.  
 150 .11:30 p.m. to 11:59 p.m.

**LANP**

**Character 4**

Language other than English spoken at home

bbbb .N/A (GQ/vacant)  
 1000 .Jamaican Creole English  
 1025 .Other English-based Creole languages  
 1055 .Haitian  
 1069 .Kabuverdianu  
 1110 .German  
 1120 .Swiss German  
 1125 .Pennsylvania German  
 1130 .Yiddish  
 1132 .Dutch  
 1134 .Afrikaans  
 1140 .Swedish  
 1141 .Danish  
 1142 .Norwegian  
 1155 .Italian  
 1170 .French  
 1175 .Cajun French  
 1200 .Spanish  
 1210 .Portuguese  
 1220 .Romanian  
 1231 .Irish  
 1235 .Greek  
 1242 .Albanian

1250 .Russian  
1260 .Ukrainian  
1262 .Czech  
1263 .Slovak  
1270 .Polish  
1273 .Bulgarian  
1274 .Macedonian  
1275 .Serbocroatian  
1276 .Bosnian  
1277 .Croatian  
1278 .Serbian  
1281 .Lithuanian  
1283 .Latvian  
1288 .Armenian  
1290 .Farsi  
1292 .Dari  
1315 .Kurdish  
1327 .Pashto  
1340 .India N.E.C.  
1350 .Hindi  
1360 .Urdu  
1380 .Bengali  
1420 .Punjabi  
1435 .Konkani  
1440 .Marathi  
1450 .Gujarati  
1500 .Nepali  
1515 .Sindhi  
1525 .Pakistan N.E.C.  
1530 .Sinhala  
1540 .Other Indo-Iranian languages  
1564 .Other Indo-European languages  
1565 .Finnish  
1582 .Hungarian  
1603 .Georgian  
1652 .Uzbek  
1675 .Turkish  
1690 .Mongolian  
1730 .Telugu  
1737 .Kannada  
1750 .Malayalam  
1765 .Tamil  
1900 .Khmer  
1960 .Vietnamese  
1970 .Chinese  
2000 .Mandarin  
2030 .Min Nan Chinese  
2050 .Cantonese  
2100 .Tibetan  
2160 .Burmese  
2270 .Chin languages  
2350 .Karen languages  
2430 .Thai  
2475 .Lao  
2525 .Iu Mien  
2535 .Hmong  
2560 .Japanese

2575 .Korean  
2715 .Malay  
2770 .Indonesian  
2850 .Other languages of Asia  
2910 .Filipino  
2920 .Tagalog  
2950 .Cebuano  
3150 .Ilocano  
3190 .Other Philippine languages  
3220 .Chamorro  
3270 .Marshallese  
3350 .Chuukese  
3420 .Samoan  
3500 .Tongan  
3570 .Hawaiian  
3600 .Other Eastern Malayo-Polynesian languages  
4500 .Arabic  
4545 .Hebrew  
4560 .Assyrian Neo-Aramaic  
4565 .Chaldean Neo-Aramaic  
4590 .Amharic  
4640 .Tigrinya  
4750 .Hausa  
4830 .Oromo  
4840 .Somali  
4880 .Other Afro-Asiatic languages  
4900 .Nilo-Saharan languages  
5150 .Swahili  
5345 .Ganda  
5365 .Kinyarwanda  
5525 .Shona  
5645 .Other Bantu languages  
5845 .Manding languages  
5900 .Other Mande languages  
5940 .Fulah  
5950 .Wolof  
6120 .Akan (incl. Twi)  
6205 .Ga  
6230 .Gbe languages  
6290 .Yoruba  
6300 .Edoid languages  
6370 .Igbo  
6450 .Kru languages  
6500 .Other Niger-Congo languages  
6795 .Other languages of Africa  
6800 .Aleut languages  
6839 .Ojibwa  
6930 .Apache languages  
6933 .Navajo  
6936 .Kiowa-Tanoan languages (2016 or earlier)  
7019 .Dakota languages  
7032 .Muskogean languages  
7039 .Keres  
7050 .Cherokee  
7059 .Zuni (2016 or earlier)  
7060 .Uto-Aztecan languages  
7124 .Other Native North American languages

7300 .Other Central and South American languages  
9999 .Other and unspecified languages

**MIGPUMA Character 5**

Migration PUMA based on 2010 Census definition

bbbb .N/A (person less than 1 year old/lived in same  
.house 1 year ago)  
00001 .Did not live in the United States or in Puerto Rico  
.one year ago  
00002 .Lived in Puerto Rico one year ago and current  
.residence is in the U.S.  
00100..70100 .Assigned Migration PUMA. Use with MIGSP.

**MIGSP Character 3**

Migration recode - State or foreign country code

bbb .N/A (person less than 1 year old/lived in same house 1 year  
.ago)  
001 .Alabama/AL  
002 .Alaska/AK  
004 .Arizona/AZ  
005 .Arkansas/AR  
006 .California/CA  
008 .Colorado/CO  
009 .Connecticut/CT  
010 .Delaware/DE  
011 .District of Columbia/DC  
012 .Florida/FL  
013 .Georgia/GA  
015 .Hawaii/HI  
016 .Idaho/ID  
017 .Illinois/IL  
018 .Indiana/IN  
019 .Iowa/IA  
020 .Kansas/KS  
021 .Kentucky/KY  
022 .Louisiana/LA  
023 .Maine/ME  
024 .Maryland/MD  
025 .Massachusetts/MA  
026 .Michigan/MI  
027 .Minnesota/MN  
028 .Mississippi/MS  
029 .Missouri/MO  
030 .Montana/MT  
031 .Nebraska/NE  
032 .Nevada/NV  
033 .New Hampshire/NH  
034 .New Jersey/NJ  
035 .New Mexico/NM  
036 .New York/NY  
037 .North Carolina/NC  
038 .North Dakota/ND  
039 .Ohio/OH  
040 .Oklahoma/OK  
041 .Oregon/OR  
042 .Pennsylvania/PA  
044 .Rhode Island/RI

045 .South Carolina/SC  
046 .South Dakota/SD  
047 .Tennessee/TN  
048 .Texas/TX  
049 .Utah/UT  
050 .Vermont/VT  
051 .Virginia/VA  
053 .Washington/WA  
054 .West Virginia/WV  
055 .Wisconsin/WI  
056 .Wyoming/WY  
072 .Puerto Rico  
109 .France  
110 .Germany  
111 .Northern Europe, Not Specified  
113 .Eastern Europe, Not Specified  
114 .Western Europe or Other Europe, Not Specified  
120 .Italy  
134 .Spain  
138 .United Kingdom, Excluding England  
139 .England  
163 .Russia  
164 .Ukraine (2017 or later)  
200 .Afghanistan  
207 .China, Hong Kong, Macau and Paracel Islands  
210 .India  
213 .Iraq (2016 or earlier)  
214 .Israel (2017 or later)  
215 .Japan  
217 .Korea  
229 .Nepal  
231 .Pakistan  
233 .Philippines  
235 .Saudi Arabia  
240 .Taiwan  
242 .Thailand  
243 .Turkey  
245 .United Arab Emirates (2017 or later)  
247 .Vietnam  
251 .Eastern Asia, Not Specified  
252 .Western Asia, Not Specified  
253 .South Central Asia or Asia, Not Specified  
301 .Canada  
303 .Mexico  
312 .El Salvador  
313 .Guatemala  
314 .Honduras  
317 .Central America, Not Specified  
327 .Cuba  
329 .Dominican Republic  
332 .Haiti  
333 .Jamaica  
344 .Caribbean and North America, Not Specified  
362 .Brazil  
364 .Colombia  
365 .Ecuador (2017 or later)  
370 .Peru (2017 or later)



373 .Venezuela (2017 or later)  
 374 .South America, Not Specified  
 414 .Egypt  
 416 .Ethiopia (2017 or later)  
 427 .Kenya (2017 or later)  
 440 .Nigeria  
 467 .Western Africa, Not Specified  
 468 .Northern Africa or Other Africa, Not Specified  
 469 .Eastern Africa, Not Specified  
 501 .Australia  
 555 .Other US Island Areas, Oceania, Not Specified, or At Sea

**MSP Character 1**

Married, spouse present/spouse absent  
 b .N/A (age less than 15 years)  
 1 .Now married, spouse present  
 2 .Now married, spouse absent  
 3 .Widowed  
 4 .Divorced  
 5 .Separated  
 6 .Never married

**NAICSP Character 8**

North American Industry Classification System (NAICS) recode for 2018 and later based on 2017 NAICS codes  
 bbbbbbbb .N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)  
 111 .AGR-Crop Production  
 112 .AGR-Animal Production And Aquaculture  
 1133 .AGR-Logging  
 113M .AGR-Forestry Except Logging  
 114 .AGR-Fishing, Hunting And Trapping  
 115 .AGR-Support Activities For Agriculture And Forestry  
 211 .EXT-Oil And Gas Extraction  
 2121 .EXT-Coal Mining  
 2122 .EXT-Metal Ore Mining  
 2123 .EXT-Nonmetallic Mineral Mining And Quarrying  
 213 .EXT-Support Activities For Mining  
 2211P .UTL-Electric Power Generation, Transmission And Distribution  
 2212P .UTL-Natural Gas Distribution  
 22132 .UTL-Sewage Treatment Facilities  
 2213M .UTL-Water, Steam, Air-Conditioning, And Irrigation Systems  
 221MP .UTL-Electric And Gas, And Other Combinations  
 22S .UTL-Not Specified Utilities  
 23 .CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)  
 3113 .MFG-Sugar And Confectionery Products  
 3114 .MFG-Fruit And Vegetable Preserving And Specialty Food  
 3115 .MFG-Dairy Product  
 3116 .MFG-Animal Slaughtering And Processing  
 311811 .MFG-Retail Bakeries  
 3118Z .MFG-Bakeries And Tortilla, Except Retail Bakeries  
 311M1 .MFG-Animal Food, Grain And Oilseed Milling  
 311M2 .MFG-Seafood And Other Miscellaneous Foods, N.E.C.

311S .MFG-Not Specified Food Industries  
 3121 .MFG-Beverage  
 3122 .MFG-Tobacco  
 3131 .MFG-Fiber, Yarn, And Thread Mills  
 3132Z .MFG-Fabric Mills, Except Knitting Mills  
 3133 .MFG-Textile And Fabric Finishing And Fabric Coating  
       .Mills  
 31411 .MFG-Carpet And Rug Mills  
 314Z .MFG-Textile Product Mills, Except Carpet And Rug  
 315M .MFG-Cut And Sew, And Apparel Accessories And Other  
       .Apparel  
 3162 .MFG-Footwear  
 316M .MFG-Leather And Hide Tanning And Finishing, And Other  
       .Leather And Allied Product  
 31M .MFG-Knitting Fabric Mills, And Apparel Knitting Mills  
 3211 .MFG-Sawmills And Wood Preservation  
 3212 .MFG-Veneer, Plywood, And Engineered Wood Products  
 32199M .MFG-Prefabricated Wood Buildings And Mobile Homes  
 3219ZM .MFG-Miscellaneous Wood Products  
 3221 .MFG-Pulp, Paper, And Paperboard Mills  
 32221 .MFG-Paperboard Container  
 3222M .MFG-Miscellaneous Paper And Pulp Products  
 3231 .MFG-Printing And Related Support Activities  
 3241M .MFG-Miscellaneous Petroleum And Coal Products  
 32411 .MFG-Petroleum Refining  
 3252 .MFG-Resin, Synthetic Rubber, And Fibers And Filaments  
 3253 .MFG-Agricultural Chemical  
 3254 .MFG-Pharmaceutical And Medicine  
 3255 .MFG-Paint, Coating, And Adhesive  
 3256 .MFG-Soap, Cleaning Compound, And Cosmetics  
 325M .MFG-Industrial And Miscellaneous Chemicals  
 3261 .MFG-Plastics Product  
 32621 .MFG-Tire  
 3262M .MFG-Rubber Products, Except Tires  
 32711 .MFG-Pottery, Ceramics, And Plumbing Fixture  
 327120 .MFG-Clay Building Material And Refractories  
 3272 .MFG-Glass And Glass Product  
 3279 .MFG-Miscellaneous Nonmetallic Mineral Product  
 327M .MFG-Cement, Concrete, Lime, And Gypsum Product  
 3313 .MFG-Aluminum Production And Processing  
 3314 .MFG-Nonferrous Metal (Except Aluminum) Production And  
       .Processing  
 3315 .MFG-Foundries  
 331M .MFG-Iron And Steel Mills And Steel Product  
 3321 .MFG-Metal Forgings And Stampings  
 3322 .MFG-Cutlery And Hand Tool  
 3327 .MFG-Machine Shops; Turned Product; Screw, Nut, And Bolt  
 3328 .MFG-Coating, Engraving, Heat Treating, And Allied  
       .Activities  
 33299M .MFG-Ordnance  
 332M .MFG-Structural Metals, And Boiler, Tank, And Shipping  
       .Container  
 332MZ .MFG-Miscellaneous Fabricated Metal Products  
 33311 .MFG-Agricultural Implement  
 3331M .MFG-Construction, And Mining And Oil And Gas Field  
       .Machinery  
 3333 .MFG-Commercial And Service Industry Machinery

3335 .MFG-Metalworking Machinery  
3336 .MFG-Engine, Turbine, And Power Transmission Equipment  
333MS .MFG-Machinery, N.E.C. Or Not Specified  
3341 .MFG-Computer And Peripheral Equipment  
3345 .MFG-Navigational, Measuring, Electromedical, And  
.Control Instruments  
334M1 .MFG-Communications, Audio, And Video Equipment  
334M2 .MFG-Electronic Component And Product, N.E.C.  
3352 .MFG-Household Appliance  
335M .MFG-Electric Lighting And Electrical Equipment, And  
.Other Electrical Component, N.E.C.  
33641M1 .MFG-Aircraft And Parts  
33641M2 .MFG-Aerospace Products And Parts  
3365 .MFG-Railroad Rolling Stock  
3366 .MFG-Ship And Boat Building  
3369 .MFG-Other Transportation Equipment  
336M .MFG-Motor Vehicles And Motor Vehicle Equipment  
337 .MFG-Furniture And Related Product  
3391 .MFG-Medical Equipment And Supplies  
3399M .MFG-Sporting And Athletic Goods, And Doll, Toy And Game  
3399ZM .MFG-Miscellaneous Manufacturing, N.E.C.  
33MS .MFG-Not Specified Metal Industries  
3MS .MFG-Not Specified Manufacturing Industries  
4231 .WHL-Motor Vehicle And Motor Vehicle Parts And Supplies  
.Merchant Wholesalers  
4232 .WHL-Furniture And Home Furnishing Merchant Wholesalers  
4233 .WHL-Lumber And Other Construction Materials Merchant  
.Wholesalers  
4234 .WHL-Professional And Commercial Equipment And Supplies  
.Merchant Wholesalers  
4235 .WHL-Metals And Minerals, Except Petroleum, Merchant  
.Wholesalers  
4236 .WHL-Household Appliances And Electrical And Electronic  
.Goods Merchant Wholesalers  
4237 .WHL-Hardware, And Plumbing And Heating Equipment, And  
.Supplies Merchant Wholesalers  
4238 .WHL-Machinery, Equipment, And Supplies Merchant  
.Wholesalers  
42393 .WHL-Recyclable Material Merchant Wholesalers  
4239Z .WHL-Miscellaneous Durable Goods Merchant Wholesalers  
4241 .WHL-Paper And Paper Products Merchant Wholesalers  
4243 .WHL-Apparel, Piece Goods, And Notions Merchant  
.Wholesalers  
4244 .WHL-Grocery And Related Product Merchant Wholesalers  
4245 .WHL-Farm Product Raw Material Merchant Wholesalers  
4247 .WHL-Petroleum And Petroleum Products Merchant  
.Wholesalers  
4248 .WHL-Alcoholic Beverages Merchant Wholesalers  
42491 .WHL-Farm Supplies Merchant Wholesalers  
4249Z .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers  
424M .WHL-Drugs, Sundries, And Chemical And Allied Products  
.Merchant Wholesalers  
4251 .WHL-Wholesale Electronic Markets And Agents And Brokers  
42S .WHL-Not Specified Wholesale Trade  
4411 .RET-Automobile Dealers  
4412 .RET-Other Motor Vehicle Dealers  
4413 .RET-Automotive Parts, Accessories, And Tire Stores

442 .RET-Furniture And Home Furnishings Stores  
443141 .RET-Household Appliance Stores  
443142 .RET-Electronics Stores  
44413 .RET-Hardware Stores  
4441Z .RET-Building Material And Supplies Dealers  
4442 .RET-Lawn And Garden Equipment And Supplies Stores  
44511 .RET-Supermarkets And Other Grocery (Except Convenience)  
.Stores  
44512 .RET-Convenience Stores  
4452 .RET-Specialty Food Stores  
4453 .RET-Beer, Wine, And Liquor Stores  
44611 .RET-Pharmacies And Drug Stores  
446Z .RET-Health And Personal Care, Except Drug, Stores  
447 .RET-Gasoline Stations  
44821 .RET-Shoe Stores  
4483 .RET-Jewelry, Luggage, And Leather Goods Stores  
4481 .RET-Clothing Stores  
45113 .RET-Sewing, Needlework, And Piece Goods Stores  
45114 .RET-Musical Instrument And Supplies Stores  
4511M .RET-Sporting Goods, And Hobby And Toy Stores  
45121 .RET-Book Stores And News Dealers  
45221 .RET-Department Stores  
4523 .RET-General Merchandise Stores, Including Warehouse  
.Clubs and Supercenters  
4531 .RET-Florists  
45321 .RET-Office Supplies And Stationery Stores  
45322 .RET-Gift, Novelty, And Souvenir Shops  
4533 .RET-Used Merchandise Stores  
4539 .RET-Miscellaneous Retail Stores  
454110 .RET-Electronic Shopping And Mail-Order Houses  
4542 .RET-Vending Machine Operators  
454310 .RET-Fuel Dealers  
45439 .RET-Other Direct Selling Establishments  
4MS .RET-Not Specified Retail Trade  
481 .TRN-Air Transportation  
482 .TRN-Rail Transportation  
483 .TRN-Water Transportation  
484 .TRN-Truck Transportation  
4853 .TRN-Taxi And Limousine Service  
485M .TRN-Bus Service And Urban Transit  
486 .TRN-Pipeline Transportation  
487 .TRN-Scenic And Sightseeing Transportation  
488 .TRN-Services Incidental To Transportation  
491 .TRN-Postal Service  
492 .TRN-Couriers And Messengers  
493 .TRN-Warehousing And Storage  
51111 .INF-Newspaper Publishers  
5111Z .INF-Periodical, Book, And Directory Publishers  
5112 .INF-Software Publishers  
5121 .INF-Motion Pictures And Video Industries  
5122 .INF-Sound Recording Industries  
515 .INF-Broadcasting (Except Internet)  
517311 .INF-Wired Telecommunications Carriers  
517Z .INF-Telecommunications, Except Wired Telecommunications  
.Carriers  
5182 .INF-Data Processing, Hosting, And Related Services  
51912 .INF-Libraries And Archives

51913 .INF-Internet Publishing And Broadcasting And Web Search  
.Portals  
5191ZM .INF-Other Information Services, Except Libraries And  
.Archives, And Internet Publishing And Broadcasting And  
.Web Search Portals  
5221M .FIN-Savings Institutions, Including Credit Unions  
522M .FIN-Nondepository Credit And Related Activities  
5241 .FIN-Insurance Carriers  
5242 .FIN-Agencies, Brokerages, And Other Insurance Related  
.Activities  
52M1 .FIN-Banking And Related Activities  
52M2 .FIN-Securities, Commodities, Funds, Trusts, And Other  
.Financial Investments  
531M .FIN-Lessors Of Real Estate, And Offices Of Real Estate  
.Agents And Brokers  
5313 .FIN-Real Estate Property Managers, Offices of Real  
.Estate Appraisers, And Other Activities Related to Real  
.Estate  
5321 .FIN-Automotive Equipment Rental And Leasing  
532M2 .FIN-Other Consumer Goods Rental  
53M .FIN-Commercial, Industrial, And Other Intangible Assets  
.Rental And Leasing  
5411 .PRF-Legal Services  
5412 .PRF-Accounting, Tax Preparation, Bookkeeping, And  
.Payroll Services  
5413 .PRF-Architectural, Engineering, And Related Services  
5414 .PRF-Specialized Design Services  
5415 .PRF-Computer Systems Design And Related Services  
5416 .PRF-Management, Scientific, And Technical Consulting  
.Services  
5417 .PRF-Scientific Research And Development Services  
5418 .PRF-Advertising, Public Relations, And Related Services  
54194 .PRF-Veterinary Services  
5419Z .PRF-Other Professional, Scientific, And Technical  
.Services  
55 .PRF-Management Of Companies And Enterprises  
5613 .PRF-Employment Services  
5614 .PRF-Business Support Services  
5615 .PRF-Travel Arrangements And Reservation Services  
5616 .PRF-Investigation And Security Services  
56173 .PRF-Landscaping Services  
5617Z .PRF-Services To Buildings And Dwellings (Except  
.Cleaning During Construction And Immediately After  
.Construction)  
561M .PRF-Other Administrative And Other Support Services  
562 .PRF-Waste Management And Remediation Services  
6111 .EDU-Elementary And Secondary Schools  
611M1 .EDU-Colleges, Universities, And Professional Schools,  
.Including Junior Colleges  
611M2 .EDU-Business, Technical, And Trade Schools And Training  
611M3 .EDU-Other Schools And Instruction, And Educational  
.Support Services  
6211 .MED-Offices Of Physicians  
6212 .MED-Offices Of Dentists  
62131 .MED-Offices Of Chiropractors  
62132 .MED-Offices Of Optometrists  
6213ZM .MED-Offices Of Other Health Practitioners

6214 .MED-Outpatient Care Centers  
6216 .MED-Home Health Care Services  
621M .MED-Other Health Care Services  
622M .MED-General Medical And Surgical Hospitals, And  
.Specialty (Except Psychiatric And Substance Abuse)  
.Hospitals  
6222 .MED-Psychiatric And Substance Abuse Hospitals  
6231 .MED-Nursing Care Facilities (Skilled Nursing  
.Facilities)  
623M .MED-Residential Care Facilities, Except Skilled Nursing  
.Facilities  
6241 .SCA-Individual And Family Services  
6242 .SCA-Community Food And Housing, And Emergency Services  
6243 .SCA-Vocational Rehabilitation Services  
6244 .SCA-Child Day Care Services  
7111 .ENT-Performing Arts Companies  
7112 .ENT-Spectator Sports  
711M .ENT-Promoters Of Performing Arts, Sports, And Similar  
.Events, Agents And Managers For Artists, Athletes,  
.Entertainers, And Other Public Figures  
7115 .ENT-Independent Artists, Writers, And Performers  
712 .ENT-Museums, Art Galleries, Historical Sites, And  
.Similar Institutions  
71395 .ENT-Bowling Centers  
713Z .ENT-Other Amusement, Gambling, And Recreation  
.Industries  
7211 .ENT-Traveler Accommodation  
721M .ENT-Recreational Vehicle Parks And Camps, And Rooming  
.And Boarding Houses, Dormitories, And Workers' Camps  
7224 .ENT-Drinking Places, Alcoholic Beverages  
722Z .ENT-Restaurants And Other Food Services  
811192 .SRV-Car Washes  
8111Z .SRV-Automotive Repair And Maintenance  
8112 .SRV-Electronic And Precision Equipment Repair And  
.Maintenance  
8113 .SRV-Commercial And Industrial Machinery And Equipment  
.Repair And Maintenance  
8114 .SRV-Personal And Household Goods Repair And Maintenance  
812111 .SRV-Barber Shops  
812112 .SRV-Beauty Salons  
8121M .SRV-Nail Salons And Other Personal Care Services  
8122 .SRV-Funeral Homes, And Cemeteries And Crematories  
8123 .SRV-Drycleaning And Laundry Services  
8129 .SRV-Other Personal Services  
8131 .SRV-Religious Organizations  
81393 .SRV-Labor Unions  
8139Z .SRV-Business, Professional, Political, And Similar  
.Organizations  
813M .SRV-Civic, Social, Advocacy Organizations, And  
.Grantmaking And Giving Services  
814 .SRV-Private Households  
92113 .ADM-Public Finance Activities  
92119 .ADM-Other General Government And Support  
9211MP .ADM-Executive Offices And Legislative Bodies  
923 .ADM-Administration Of Human Resource Programs  
928110P1 .MIL-U.S. Army  
928110P2 .MIL-U.S. Air Force

928110P3 .MIL-U.S. Navy  
 928110P4 .MIL-U.S. Marines  
 928110P5 .MIL-U.S. Coast Guard  
 928110P6 .MIL-Armed Forces, Branch Not Specified  
 928110P7 .MIL-Military Reserves Or National Guard  
 928P .ADM-National Security And International Affairs  
 92M1 .ADM-Administration Of Environmental Quality And Housing  
 .Programs  
 92M2 .ADM-Administration Of Economic Programs And Space  
 .Research  
 92MP .ADM-Justice, Public Order, And Safety Activities  
 999920 .Unemployed, With No Work Experience In The Last 5 Years  
 .Or Earlier Or Never Worked

**NATIVITY Character 1**

Nativity  
 1 .Native  
 2 .Foreign born

**NOP Character 1**

Nativity of parent  
 b .N/A (greater than 17 years old/not an own child of  
 .householder, and not child in subfamily)  
 1 .Living with two parents: Both parents NATIVE  
 2 .Living with two parents: Father only FOREIGN BORN  
 3 .Living with two parents: Mother only FOREIGN BORN  
 4 .Living with two parents: BOTH parents FOREIGN BORN  
 5 .Living with father only: Father NATIVE  
 6 .Living with father only: Father FOREIGN BORN  
 7 .Living with mother only: Mother NATIVE  
 8 .Living with mother only: Mother FOREIGN BORN

**OC Character 1**

Own child  
 b .N/A (in GQ for 2017 and later)  
 0 .No and GQ records for 2016 and earlier  
 1 .Yes

**OCCP Character 4**

Occupation recode for 2018 and later based on 2018 OCC codes  
 bbbb .N/A (less than 16 years old/NILF who last worked more than  
 .5 years ago or never worked)  
 0010 .MGR-Chief Executives And Legislators  
 0020 .MGR-General And Operations Managers  
 0040 .MGR-Advertising And Promotions Managers  
 0051 .MGR-Marketing Managers  
 0052 .MGR-Sales Managers  
 0060 .MGR-Public Relations And Fundraising Managers  
 0101 .MGR-Administrative Services Managers  
 0102 .MGR-Facilities Managers  
 0110 .MGR-Computer And Information Systems Managers  
 0120 .MGR-Financial Managers  
 0135 .MGR-Compensation And Benefits Managers  
 0136 .MGR-Human Resources Managers  
 0137 .MGR-Training And Development Managers  
 0140 .MGR-Industrial Production Managers

0150 .MGR-Purchasing Managers  
 0160 .MGR-Transportation, Storage, And Distribution Managers  
 0205 .MGR-Farmers, Ranchers, And Other Agricultural Managers  
 0220 .MGR-Construction Managers  
 0230 .MGR-Education And Childcare Administrators  
 0300 .MGR-Architectural And Engineering Managers  
 0310 .MGR-Food Service Managers  
 0335 .MGR-Entertainment and Recreation Managers  
 0340 .MGR-Lodging Managers  
 0350 .MGR-Medical And Health Services Managers  
 0360 .MGR-Natural Sciences Managers  
 0410 .MGR-Property, Real Estate, And Community Association  
       .Managers  
 0420 .MGR-Social And Community Service Managers  
 0425 .MGR-Emergency Management Directors  
 0440 .MGR-Other Managers  
 0500 .BUS-Agents And Business Managers Of Artists, Performers,  
       .And Athletes  
 0510 .BUS-Buyers And Purchasing Agents, Farm Products  
 0520 .BUS-Wholesale And Retail Buyers, Except Farm Products  
 0530 .BUS-Purchasing Agents, Except Wholesale, Retail, And Farm  
       .Products  
 0540 .BUS-Claims Adjusters, Appraisers, Examiners, And  
       .Investigators  
 0565 .BUS-Compliance Officers  
 0600 .BUS-Cost Estimators  
 0630 .BUS-Human Resources Workers  
 0640 .BUS-Compensation, Benefits, And Job Analysis Specialists  
 0650 .BUS-Training And Development Specialists  
 0700 .BUS-Logisticians  
 0705 .BUS-Project Management Specialists  
 0710 .BUS-Management Analysts  
 0725 .BUS-Meeting, Convention, And Event Planners  
 0726 .BUS-Fundraisers  
 0735 .BUS-Market Research Analysts And Marketing Specialists  
 0750 .BUS-Business Operations Specialists, All Other  
 0800 .FIN-Accountants And Auditors  
 0810 .FIN-Property Appraisers and Assessors  
 0820 .FIN-Budget Analysts  
 0830 .FIN-Credit Analysts  
 0845 .FIN-Financial And Investment Analysts  
 0850 .FIN-Personal Financial Advisors  
 0860 .FIN-Insurance Underwriters  
 0900 .FIN-Financial Examiners  
 0910 .FIN-Credit Counselors And Loan Officers  
 0930 .FIN-Tax Examiners And Collectors, And Revenue Agents  
 0940 .FIN-Tax Preparers  
 0960 .FIN-Other Financial Specialists  
 1005 .CMM-Computer And Information Research Scientists  
 1006 .CMM-Computer Systems Analysts  
 1007 .CMM-Information Security Analysts  
 1010 .CMM-Computer Programmers  
 1021 .CMM-Software Developers  
 1022 .CMM-Software Quality Assurance Analysts and Testers  
 1031 .CMM-Web Developers  
 1032 .CMM-Web And Digital Interface Designers  
 1050 .CMM-Computer Support Specialists



1065 .CMM-Database Administrators and Architects  
1105 .CMM-Network And Computer Systems Administrators  
1106 .CMM-Computer Network Architects  
1108 .CMM-Computer Occupations, All Other  
1200 .CMM-Actuaries  
1220 .CMM-Operations Research Analysts  
1240 .CMM-Other Mathematical Science Occupations  
1305 .ENG-Architects, Except Landscape And Naval  
1306 .ENG-Landscape Architects  
1310 .ENG-Surveyors, Cartographers, And Photogrammetrists  
1320 .ENG-Aerospace Engineers  
1340 .ENG-Biomedical And Agricultural Engineers  
1350 .ENG-Chemical Engineers  
1360 .ENG-Civil Engineers  
1400 .ENG-Computer Hardware Engineers  
1410 .ENG-Electrical And Electronics Engineers  
1420 .ENG-Environmental Engineers  
1430 .ENG-Industrial Engineers, Including Health And Safety  
1440 .ENG-Marine Engineers And Naval Architects  
1450 .ENG-Materials Engineers  
1460 .ENG-Mechanical Engineers  
1520 .ENG-Petroleum, Mining And Geological Engineers, Including  
.Mining Safety Engineers  
1530 .ENG-Other Engineers  
1541 .ENG-Architectural And Civil Drafters  
1545 .ENG-Other Drafters  
1551 .ENG-Electrical And Electronic Engineering Technologists And  
.Techinicians  
1555 .ENG-Other Engineering Technologists And Technicians, Except  
.Drafters  
1560 .ENG-Surveying And Mapping Technicians  
1600 .SCI-Agricultural And Food Scientists  
1610 .SCI-Biological Scientists  
1640 .SCI-Conservation Scientists And Foresters  
1650 .SCI-Other Life Scientists  
1700 .SCI-Astronomers And Physicists  
1710 .SCI-Atmospheric And Space Scientists  
1720 .SCI-Chemists And Materials Scientists  
1745 .SCI-Environmental Scientists And Specialists, Including  
.Health  
1750 .SCI-Geoscientists And Hydrologists, Except Geographers  
1760 .SCI-Physical Scientists, All Other  
1800 .SCI-Economists  
1821 .SCI-Clinical And Counseling Psychologists  
1822 .SCI-School Psychologists  
1825 .SCI-Other Psychologists  
1840 .SCI-Urban And Regional Planners  
1860 .SCI-Other Social Scientists  
1900 .SCI-Agricultural And Food Science Technicians  
1910 .SCI-Biological Technicians  
1920 .SCI-Chemical Technicians  
1935 .SCI-Environmental Science and Geoscience Technicians, And  
.Nuclear Technicians  
1970 .SCI-Other Life, Physical, And Social Science Technicians  
1980 .SCI-Occupational Health And Safety Specialists and  
.Techinicians  
2001 .CMS-Substance Abuse And Behavioral Disorder Counselors

2002 .CMS-Educational, Guidance, And Career Counselors And  
 .Advisors  
 2003 .CMS-Marriage And Family Therapists  
 2004 .CMS-Mental Health Counselors  
 2005 .CMS-Rehabilitation Counselors  
 2006 .CMS-Counselors, All Other  
 2011 .CMS-Child, Family, And School Social Workers  
 2012 .CMS-Healthcare Social Workers  
 2013 .CMS-Mental Health And Substance Abuse Social Workers  
 2014 .CMS-Social Workers, All Other  
 2015 .CMS-Probation Officers And Correctional Treatment  
 .Specialists  
 2016 .CMS-Social And Human Service Assistants  
 2025 .CMS-Other Community and Social Service Specialists  
 2040 .CMS-Clergy  
 2050 .CMS-Directors, Religious Activities And Education  
 2060 .CMS-Religious Workers, All Other  
 2100 .LGL-Lawyers, And Judges, Magistrates, And Other Judicial  
 .Workers  
 2105 .LGL-Judicial Law Clerks  
 2145 .LGL-Paralegals And Legal Assistants  
 2170 .LGL-Title Examiners, Abstractors, and Searchers  
 2180 .LGL-Legal Support Workers, All Other  
 2205 .EDU-Postsecondary Teachers  
 2300 .EDU-Preschool And Kindergarten Teachers  
 2310 .EDU-Elementary And Middle School Teachers  
 2320 .EDU-Secondary School Teachers  
 2330 .EDU-Special Education Teachers  
 2350 .EDU-Tutors  
 2360 .EDU-Other Teachers and Instructors  
 2400 .EDU-Archivists, Curators, And Museum Technicians  
 2435 .EDU-Librarians And Media Collections Specialists  
 2440 .EDU-Library Technicians  
 2545 .EDU-Teaching Assistants  
 2555 .EDU-Other Educational Instruction And Library Workers  
 2600 .ENT-Artists And Related Workers  
 2631 .ENT-Commercial And Industrial Designers  
 2632 .ENT-Fashion Designers  
 2633 .ENT-Floral Designers  
 2634 .ENT-Graphic Designers  
 2635 .ENT-Interior Designers  
 2636 .ENT-Merchandise Displayers And Window Trimmers  
 2640 .ENT-Other Designers  
 2700 .ENT-Actors  
 2710 .ENT-Producers And Directors  
 2721 .ENT-Athletes and Sports Competitors  
 2722 .ENT-Coaches and Scouts  
 2723 .ENT-Umpires, Referees, And Other Sports Officials  
 2740 .ENT-Dancers And Choreographers  
 2751 .ENT-Music Directors and Composers  
 2752 .ENT-Musicians and Singers  
 2755 .ENT-Disc Jockeys, Except Radio  
 2770 .ENT-Entertainers And Performers, Sports and Related  
 .Workers, All Other  
 2805 .ENT-Broadcast Announcers And Radio Disc Jockeys  
 2810 .ENT-News Analysts, Reporters, And Journalists  
 2825 .ENT-Public Relations Specialists

2830 .ENT-Editors  
 2840 .ENT-Technical Writers  
 2850 .ENT-Writers And Authors  
 2861 .ENT-Interpreters and Translators  
 2862 .ENT-Court Reporters and Simultaneous Captioners  
 2865 .ENT-Media And Communication Workers, All Other  
 2905 .ENT-Other Media And Communication Equipment Workers  
 2910 .ENT-Photographers  
 2920 .ENT-Television, Video, And Film Camera Operators And  
 .Editors  
 3000 .MED-Chiropractors  
 3010 .MED-Dentists  
 3030 .MED-Dietitians And Nutritionists  
 3040 .MED-Optometrists  
 3050 .MED-Pharmacists  
 3090 .MED-Physicians  
 3100 .MED-Surgeons  
 3110 .MED-Physician Assistants  
 3120 .MED-Podiatrists  
 3140 .MED-Audiologists  
 3150 .MED-Occupational Therapists  
 3160 .MED-Physical Therapists  
 3200 .MED-Radiation Therapists  
 3210 .MED-Recreational Therapists  
 3220 .MED-Respiratory Therapists  
 3230 .MED-Speech-Language Pathologists  
 3245 .MED-Other Therapists  
 3250 .MED-Veterinarians  
 3255 .MED-Registered Nurses  
 3256 .MED-Nurse Anesthetists  
 3258 .MED-Nurse Practitioners, And Nurse Midwives  
 3261 .MED-Acupuncturists  
 3270 .MED-Healthcare Diagnosing Or Treating Practitioners, All  
 .Other  
 3300 .MED-Clinical Laboratory Technologists And Technicians  
 3310 .MED-Dental Hygienists  
 3321 .MED-Cardiovascular Technologists and Technicians  
 3322 .MED-Diagnostic Medical Sonographers  
 3323 .MED-Radiologic Technologists And Technicians  
 3324 .MED-Magnetic Resonance Imaging Technologists  
 3330 .MED-Nuclear Medicine Technologists and Medical Dosimetrists  
 3401 .MED-Emergency Medical Technicians  
 3402 .MED-Paramedics  
 3421 .MED-Pharmacy Technicians  
 3422 .MED-Psychiatric Technicians  
 3423 .MED-Surgical Technologists  
 3424 .MED-Veterinary Technologists and Technicians  
 3430 .MED-Dietetic Technicians And Ophthalmic Medical Technicians  
 3500 .MED-Licensed Practical And Licensed Vocational Nurses  
 3515 .MED-Medical Records Specialists  
 3520 .MED-Opticians, Dispensing  
 3545 .MED-Miscellaneous Health Technologists and Technicians  
 3550 .MED-Other Healthcare Practitioners and Technical  
 .Occupations  
 3601 .HLS-Home Health Aides  
 3602 .HLS-Personal Care Aides  
 3603 .HLS-Nursing Assistants

3605 .HLS-Orderlies and Psychiatric Aides  
3610 .HLS-Occupational Therapy Assistants And Aides  
3620 .HLS-Physical Therapist Assistants And Aides  
3630 .HLS-Massage Therapists  
3640 .HLS-Dental Assistants  
3645 .HLS-Medical Assistants  
3646 .HLS-Medical Transcriptionists  
3647 .HLS-Pharmacy Aides  
3648 .HLS-Veterinary Assistants And Laboratory Animal Caretakers  
3649 .HLS-Phlebotomists  
3655 .HLS-Other Healthcare Support Workers  
3700 .PRT-First-Line Supervisors Of Correctional Officers  
3710 .PRT-First-Line Supervisors Of Police And Detectives  
3720 .PRT-First-Line Supervisors Of Firefighting And Prevention  
.Workers  
3725 .PRT-Miscellaneous First-Line Supervisors, Protective  
.Service Workers  
3740 .PRT-Firefighters  
3750 .PRT-Fire Inspectors  
3801 .PRT-Bailiffs  
3802 .PRT-Correctional Officers and Jailers  
3820 .PRT-Detectives And Criminal Investigators  
3840 .PRT-Fish And Game Wardens And Parking Enforcement Officers  
3870 .PRT-Police Officers  
3900 .PRT-Animal Control Workers  
3910 .PRT-Private Detectives And Investigators  
3930 .PRT-Security Guards And Gambling Surveillance Officers  
3940 .PRT-Crossing Guards And Flaggers  
3945 .PRT-Transportation Security Screeners  
3946 .PRT-School Bus Monitors  
3960 .PRT-Other Protective Service Workers  
4000 .EAT-Chefs And Head Cooks  
4010 .EAT-First-Line Supervisors Of Food Preparation And Serving  
.Workers  
4020 .EAT-Cooks  
4030 .EAT-Food Preparation Workers  
4040 .EAT-Bartenders  
4055 .EAT-Fast Food And Counter Workers  
4110 .EAT-Waiters And Waitresses  
4120 .EAT-Food Servers, Nonrestaurant  
4130 .EAT-Dining Room And Cafeteria Attendants And Bartender  
.Helpers  
4140 .EAT-Dishwashers  
4150 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee  
.Shop  
4160 .EAT-Food Preparation and Serving Related Workers, All Other  
4200 .CLN-First-Line Supervisors Of Housekeeping And Janitorial  
.Workers  
4210 .CLN-First-Line Supervisors Of Landscaping, Lawn Service,  
.And Groundskeeping Workers  
4220 .CLN-Janitors And Building Cleaners  
4230 .CLN-Maids And Housekeeping Cleaners  
4240 .CLN-Pest Control Workers  
4251 .CLN-Landscaping And Groundskeeping Workers  
4252 .CLN-Tree Trimmers and Pruners  
4255 .CLN-Other Grounds Maintenance Workers  
4330 .PRS-Supervisors Of Personal Care And Service Workers

4340 .PRS-Animal Trainers  
 4350 .PRS-Animal Caretakers  
 4400 .PRS-Gambling Services Workers  
 4420 .PRS-Ushers, Lobby Attendants, And Ticket Takers  
 4435 .PRS-Other Entertainment Attendants And Related Workers  
 4461 .PRS-Embalmers, Crematory Operators And Funeral Attendants  
 4465 .PRS-Morticians, Undertakers, And Funeral Arrangers  
 4500 .PRS-Barbers  
 4510 .PRS-Hairdressers, Hairstylists, And Cosmetologists  
 4521 .PRS-Manicurists And Pedicurists  
 4522 .PRS-Skincare Specialists  
 4525 .PRS-Other Personal Appearance Workers  
 4530 .PRS-Baggage Porters, Bellhops, And Concierges  
 4540 .PRS-Tour And Travel Guides  
 4600 .PRS-Childcare Workers  
 4621 .PRS-Exercise Trainers And Group Fitness Instructors  
 4622 .PRS-Recreation Workers  
 4640 .PRS-Residential Advisors  
 4655 .PRS-Personal Care and Service Workers, All Other  
 4700 .SAL-First-Line Supervisors Of Retail Sales Workers  
 4710 .SAL-First-Line Supervisors Of Non-Retail Sales Workers  
 4720 .SAL-Cashiers  
 4740 .SAL-Counter And Rental Clerks  
 4750 .SAL-Parts Salespersons  
 4760 .SAL-Retail Salespersons  
 4800 .SAL-Advertising Sales Agents  
 4810 .SAL-Insurance Sales Agents  
 4820 .SAL-Securities, Commodities, And Financial Services Sales  
 .Agents  
 4830 .SAL-Travel Agents  
 4840 .SAL-Sales Representatives Of Services, Except Advertising,  
 .Insurance, Financial Services, And Travel  
 4850 .SAL-Sales Representatives, Wholesale And Manufacturing  
 4900 .SAL-Models, Demonstrators, And Product Promoters  
 4920 .SAL-Real Estate Brokers And Sales Agents  
 4930 .SAL-Sales Engineers  
 4940 .SAL-Telemarketers  
 4950 .SAL-Door-To-Door Sales Workers, News And Street Vendors,  
 .And Related Workers  
 4965 .SAL-Sales And Related Workers, All Other  
 5000 .OFF-First-Line Supervisors Of Office And Administrative  
 .Support Workers  
 5010 .OFF-Switchboard Operators, Including Answering Service  
 5020 .OFF-Telephone Operators  
 5040 .OFF-Communications Equipment Operators, All Other  
 5100 .OFF-Bill And Account Collectors  
 5110 .OFF-Billing And Posting Clerks  
 5120 .OFF-Bookkeeping, Accounting, And Auditing Clerks  
 5140 .OFF-Payroll And Timekeeping Clerks  
 5150 .OFF-Procurement Clerks  
 5160 .OFF-Tellers  
 5165 .OFF-Other Financial Clerks  
 5220 .OFF-Court, Municipal, And License Clerks  
 5230 .OFF-Credit Authorizers, Checkers, And Clerks  
 5240 .OFF-Customer Service Representatives  
 5250 .OFF-Eligibility Interviewers, Government Programs  
 5260 .OFF-File Clerks

5300 .OFF-Hotel, Motel, And Resort Desk Clerks  
5310 .OFF-Interviewers, Except Eligibility And Loan  
5320 .OFF-Library Assistants, Clerical  
5330 .OFF-Loan Interviewers And Clerks  
5340 .OFF-New Accounts Clerks  
5350 .OFF-Correspondence Clerks And Order Clerks  
5360 .OFF-Human Resources Assistants, Except Payroll And  
.Timekeeping  
5400 .OFF-Receptionists And Information Clerks  
5410 .OFF-Reservation And Transportation Ticket Agents And Travel  
.Clerks  
5420 .OFF-Other Information And Records Clerks  
5500 .OFF-Cargo And Freight Agents  
5510 .OFF-Couriers And Messengers  
5521 .OFF-Public Safety Telecommunicators  
5522 .OFF-Dispatchers, Except Police, Fire, And Ambulance  
5530 .OFF-Meter Readers, Utilities  
5540 .OFF-Postal Service Clerks  
5550 .OFF-Postal Service Mail Carriers  
5560 .OFF-Postal Service Mail Sorters, Processors, And Processing  
.Machine Operators  
5600 .OFF-Production, Planning, And Expediting Clerks  
5610 .OFF-Shipping, Receiving, And Inventory Clerks  
5630 .OFF-Weighers, Measurers, Checkers, And Samplers,  
.Recordkeeping  
5710 .OFF-Executive Secretaries And Executive Administrative  
.Assistants  
5720 .OFF-Legal Secretaries and Administrative Assistants  
5730 .OFF-Medical Secretaries and Administrative Assistants  
5740 .OFF-Secretaries And Administrative Assistants, Except  
.Legal, Medical, And Executive  
5810 .OFF-Data Entry Keyers  
5820 .OFF-Word Processors And Typists  
5840 .OFF-Insurance Claims And Policy Processing Clerks  
5850 .OFF-Mail Clerks And Mail Machine Operators, Except Postal  
.Service  
5860 .OFF-Office Clerks, General  
5900 .OFF-Office Machine Operators, Except Computer  
5910 .OFF-Proofreaders And Copy Markers  
5920 .OFF-Statistical Assistants  
5940 .OFF-Other Office And Administrative Support Workers  
6005 .FFF-First-Line Supervisors Of Farming, Fishing, And  
.Forestry Workers  
6010 .FFF-Agricultural Inspectors  
6040 .FFF-Graders And Sorters, Agricultural Products  
6050 .FFF-Other Agricultural Workers  
6115 .FFF-Fishing And Hunting Workers  
6120 .FFF-Forest And Conservation Workers  
6130 .FFF-Logging Workers  
6200 .CON-First-Line Supervisors Of Construction Trades And  
.Extraction Workers  
6210 .CON-Boilermakers  
6220 .CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing  
.Iron And Rebar Workers  
6230 .CON-Carpenters  
6240 .CON-Carpet, Floor, And Tile Installers And Finishers  
6250 .CON-Cement Masons, Concrete Finishers, And Terrazzo Workers

6260 .CON-Construction Laborers  
6305 .CON-Construction Equipment Operators  
6330 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers  
6355 .CON-Electricians  
6360 .CON-Glaziers  
6400 .CON-Insulation Workers  
6410 .CON-Painters and Paperhangers  
6441 .CON-Pipelayers  
6442 .CON-Plumbers, Pipefitters, And Steamfitters  
6460 .CON-Plasterers And Stucco Masons  
6515 .CON-Roofers  
6520 .CON-Sheet Metal Workers  
6530 .CON-Structural Iron And Steel Workers  
6540 .CON-Solar Photovoltaic Installers  
6600 .CON-Helpers, Construction Trades  
6660 .CON-Construction And Building Inspectors  
6700 .CON-Elevator and Escalator Installers And Repairers  
6710 .CON-Fence Erectors  
6720 .CON-Hazardous Materials Removal Workers  
6730 .CON-Highway Maintenance Workers  
6740 .CON-Rail-Track Laying And Maintenance Equipment Operators  
6765 .CON-Other Construction And Related Workers  
6800 .EXT-Derrick, Rotary Drill, And Service Unit Operators, And  
.Roustabouts, Oil And Gas  
6825 .EXT-Surface Mining Machine Operators And Earth Drillers  
6835 .EXT-Explosives Workers, Ordnance Handling Experts, and  
.Blasters  
6850 .EXT-Underground Mining Machine Operators  
6950 .EXT-Other Extraction Workers  
7000 .RPR-First-Line Supervisors Of Mechanics, Installers, And  
.Repairers  
7010 .RPR-Computer, Automated Teller, And Office Machine  
.Repairers  
7020 .RPR-Radio And Telecommunications Equipment Installers And  
.Repairers  
7030 .RPR-Avionics Technicians  
7040 .RPR-Electric Motor, Power Tool, And Related Repairers  
7100 .RPR-Other Electrical And Electronic Equipment Mechanics,  
.Installers, And Repairers  
7120 .RPR-Audiovisual Equipment Installers And Repairers  
7130 .RPR-Security And Fire Alarm Systems Installers  
7140 .RPR-Aircraft Mechanics And Service Technicians  
7150 .RPR-Automotive Body And Related Repairers  
7160 .RPR-Automotive Glass Installers And Repairers  
7200 .RPR-Automotive Service Technicians And Mechanics  
7210 .RPR-Bus And Truck Mechanics And Diesel Engine Specialists  
7220 .RPR-Heavy Vehicle And Mobile Equipment Service Technicians  
.And Mechanics  
7240 .RPR-Small Engine Mechanics  
7260 .RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics,  
.Installers, And Repairers  
7300 .RPR-Control And Valve Installers And Repairers  
7315 .RPR-Heating, Air Conditioning, And Refrigeration Mechanics  
.And Installers  
7320 .RPR-Home Appliance Repairers  
7330 .RPR-Industrial And Refractory Machinery Mechanics  
7340 .RPR-Maintenance And Repair Workers, General

7350 .RPR-Maintenance Workers, Machinery  
 7360 .RPR-Millwrights  
 7410 .RPR-Electrical Power-Line Installers And Repairers  
 7420 .RPR-Telecommunications Line Installers And Repairers  
 7430 .RPR-Precision Instrument And Equipment Repairers  
 7510 .RPR-Coin, Vending, And Amusement Machine Servicers And  
 .Repairers  
 7540 .RPR-Locksmiths And Safe Repairers  
 7560 .RPR-Riggers  
 7610 .RPR-Helpers--Installation, Maintenance, And Repair Workers  
 7640 .RPR-Other Installation, Maintenance, And Repair Workers  
 7700 .PRD-First-Line Supervisors Of Production And Operating  
 .Workers  
 7720 .PRD-Electrical, Electronics, And Electromechanical  
 .Assemblers  
 7730 .PRD-Engine And Other Machine Assemblers  
 7740 .PRD-Structural Metal Fabricators And Fitters  
 7750 .PRD-Other Assemblers And Fabricators  
 7800 .PRD-Bakers  
 7810 .PRD-Butchers And Other Meat, Poultry, And Fish Processing  
 .Workers  
 7830 .PRD-Food And Tobacco Roasting, Baking, And Drying Machine  
 .Operators And Tenders  
 7840 .PRD-Food Batchmakers  
 7850 .PRD-Food Cooking Machine Operators And Tenders  
 7855 .PRD-Food Processing Workers, All Other  
 7905 .PRD-Computer Numerically Controlled Tool Operators And  
 .Programmers  
 7925 .PRD-Forming Machine Setters, Operators, And Tenders, Metal  
 .And Plastic  
 7950 .PRD-Cutting, Punching, And Press Machine Setters,  
 .Operators, And Tenders, Metal And Plastic  
 8000 .PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool  
 .Setters, Operators, And Tenders, Metal And Plastic  
 8025 .PRD-Other Machine Tool Setters, Operators, And Tenders,  
 .Metal and Plastic  
 8030 .PRD-Machinists  
 8040 .PRD-Metal Furnace Operators, Tenders, Pourers, And Casters  
 8100 .PRD-Model Makers, Patternmakers, And Molding Machine  
 .Setters, Metal And Plastic  
 8130 .PRD-Tool And Die Makers  
 8140 .PRD-Welding, Soldering, And Brazing Workers  
 8225 .PRD-Other Metal Workers And Plastic Workers  
 8250 .PRD-Prepress Technicians And Workers  
 8255 .PRD-Printing Press Operators  
 8256 .PRD-Print Binding And Finishing Workers  
 8300 .PRD-Laundry And Dry-Cleaning Workers  
 8310 .PRD-Pressers, Textile, Garment, And Related Materials  
 8320 .PRD-Sewing Machine Operators  
 8335 .PRD-Shoe And Leather Workers  
 8350 .PRD-Tailors, Dressmakers, And Sewers  
 8365 .PRD-Textile Machine Setters, Operators, And Tenders  
 8450 .PRD-Upholsterers  
 8465 .PRD-Other Textile, Apparel, And Furnishings Workers  
 8500 .PRD-Cabinetmakers And Bench Carpenters  
 8510 .PRD-Furniture Finishers  
 8530 .PRD-Sawing Machine Setters, Operators, And Tenders, Wood



8540 .PRD-Woodworking Machine Setters, Operators, And Tenders,  
 .Except Sawing  
 8555 .PRD-Other Woodworkers  
 8600 .PRD-Power Plant Operators, Distributors, And Dispatchers  
 8610 .PRD-Stationary Engineers And Boiler Operators  
 8620 .PRD-Water And Wastewater Treatment Plant And System  
 .Operators  
 8630 .PRD-Miscellaneous Plant And System Operators  
 8640 .PRD-Chemical Processing Machine Setters, Operators, And  
 .Tenders  
 8650 .PRD-Crushing, Grinding, Polishing, Mixing, And Blending  
 .Workers  
 8710 .PRD-Cutting Workers  
 8720 .PRD-Extruding, Forming, Pressing, And Compacting Machine  
 .Setters, Operators, And Tenders  
 8730 .PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And  
 .Tenders  
 8740 .PRD-Inspectors, Testers, Sorters, Samplers, And Weighers  
 8750 .PRD-Jewelers And Precious Stone And Metal Workers  
 8760 .PRD-Dental And Ophthalmic Laboratory Technicians And  
 .Medical Appliance Technicians  
 8800 .PRD-Packaging And Filling Machine Operators And Tenders  
 8810 .PRD-Painting Workers  
 8830 .PRD-Photographic Process Workers And Processing Machine  
 .Operators  
 8850 .PRD-Adhesive Bonding Machine Operators And Tenders  
 8910 .PRD-Etchers And Engravers  
 8920 .PRD-Molders, Shapers, And Casters, Except Metal And Plastic  
 8930 .PRD-Paper Goods Machine Setters, Operators, And Tenders  
 8940 .PRD-Tire Builders  
 8950 .PRD-Helpers--Production Workers  
 8990 .PRD-Miscellaneous Production Workers, Including Equipment  
 .Operators And Tenders  
 9005 .TRN-Supervisors Of Transportation And Material Moving  
 .Workers  
 9030 .TRN-Aircraft Pilots And Flight Engineers  
 9040 .TRN-Air Traffic Controllers And Airfield Operations  
 .Specialists  
 9050 .TRN-Flight Attendants  
 9110 .TRN-Ambulance Drivers And Attendants, Except Emergency  
 .Medical Technicians  
 9121 .TRN-Bus Drivers, School  
 9122 .TRN-Bus Drivers, Transit And Intercity  
 9130 .TRN-Driver/Sales Workers And Truck Drivers  
 9141 .TRN-Shuttle Drivers And Chauffeurs  
 9142 .TRN-Taxi Drivers  
 9150 .TRN-Motor Vehicle Operators, All Other  
 9210 .TRN-Locomotive Engineers And Operators  
 9240 .TRN-Railroad Conductors And Yardmasters  
 9265 .TRN-Other Rail Transportation Workers  
 9300 .TRN-Sailors And Marine Oilers, And Ship Engineers  
 9310 .TRN-Ship And Boat Captains And Operators  
 9350 .TRN-Parking Attendants  
 9365 .TRN-Transportation Service Attendants  
 9410 .TRN-Transportation Inspectors  
 9415 .TRN-Passenger Attendants  
 9430 .TRN-Other Transportation Workers

9510 .TRN-Crane And Tower Operators  
 9570 .TRN-Conveyor, Dredge, And Hoist and Winch Operators  
 9600 .TRN-Industrial Truck And Tractor Operators  
 9610 .TRN-Cleaners Of Vehicles And Equipment  
 9620 .TRN-Laborers And Freight, Stock, And Material Movers, Hand  
 9630 .TRN-Machine Feeders And Offbearers  
 9640 .TRN-Packers And Packagers, Hand  
 9645 .TRN-Stockers And Order Fillers  
 9650 .TRN-Pumping Station Operators  
 9720 .TRN-Refuse And Recyclable Material Collectors  
 9760 .TRN-Other Material Moving Workers  
 9800 .MIL-Military Officer Special And Tactical Operations  
       .Leaders  
 9810 .MIL-First-Line Enlisted Military Supervisors  
 9825 .MIL-Military Enlisted Tactical Operations And Air/Weapons  
       .Specialists And Crew Members  
 9830 .MIL-Military, Rank Not Specified  
 9920 .Unemployed, With No Work Experience In The Last 5 Years Or  
       .Earlier Or Never Worked

**PAOC Character 1**

Presence and age of own children  
 b .N/A (male/female under 16 years old/GQ)  
 1 .Females with own children under 6 years only  
 2 .Females with own children 6 to 17 years only  
 3 .Females with own children under 6 years and 6 to 17 years  
 4 .Females with no own children

**PERNP Numeric 7**

Total person's earnings (use ADJINC to adjust to constant dollars)  
 bbbbbb .N/A (less than 15 years old)  
 0 .No earnings  
 -10000 .Loss of \$10000 or more (Rounded and bottom-  
       .coded components)  
 -9999..-1 .Loss \$1 to \$9999 (Rounded components)  
 1..199998 .\$.1 to \$199998 (Rounded and top-coded  
       .components)

**PINCP Numeric 7**

Total person's income (signed, use ADJINC to adjust to constant  
 dollars)  
 bbbbbb .N/A (less than 15 years old)  
 0 .None  
 -019998 .Loss of \$19998 or more (Rounded and bottom-  
       .coded components)  
 -19997..-1 .Loss \$1 to \$19997 (Rounded components)  
 1..420995 .\$.1 to \$420995 (Rounded and top-coded  
       .components)

**POBP Character 3**

Place of birth (Recode)  
 001 .Alabama/AL  
 002 .Alaska/AK  
 004 .Arizona/AZ  
 005 .Arkansas/AR  
 006 .California/CA

008 .Colorado/CO  
009 .Connecticut/CT  
010 .Delaware/DE  
011 .District of Columbia/DC  
012 .Florida/FL  
013 .Georgia/GA  
015 .Hawaii/HI  
016 .Idaho/ID  
017 .Illinois/IL  
018 .Indiana/IN  
019 .Iowa/IA  
020 .Kansas/KS  
021 .Kentucky/KY  
022 .Louisiana/LA  
023 .Maine/ME  
024 .Maryland/MD  
025 .Massachusetts/MA  
026 .Michigan/MI  
027 .Minnesota/MN  
028 .Mississippi/MS  
029 .Missouri/MO  
030 .Montana/MT  
031 .Nebraska/NE  
032 .Nevada/NV  
033 .New Hampshire/NH  
034 .New Jersey/NJ  
035 .New Mexico/NM  
036 .New York/NY  
037 .North Carolina/NC  
038 .North Dakota/ND  
039 .Ohio/OH  
040 .Oklahoma/OK  
041 .Oregon/OR  
042 .Pennsylvania/PA  
044 .Rhode Island/RI  
045 .South Carolina/SC  
046 .South Dakota/SD  
047 .Tennessee/TN  
048 .Texas/TX  
049 .Utah/UT  
050 .Vermont/VT  
051 .Virginia/VA  
053 .Washington/WA  
054 .West Virginia/WV  
055 .Wisconsin/WI  
056 .Wyoming/WY  
060 .American Samoa  
066 .Guam  
069 .Commonwealth of the Northern Mariana Islands  
072 .Puerto Rico  
078 .US Virgin Islands  
100 .Albania  
102 .Austria  
103 .Belgium  
104 .Bulgaria  
105 .Czechoslovakia  
106 .Denmark

108 .Finland  
109 .France  
110 .Germany  
116 .Greece  
117 .Hungary  
118 .Iceland  
119 .Ireland  
120 .Italy  
126 .Netherlands  
127 .Norway  
128 .Poland  
129 .Portugal  
130 .Azores Islands  
132 .Romania  
134 .Spain  
136 .Sweden  
137 .Switzerland  
138 .United Kingdom, Not Specified  
139 .England  
140 .Scotland  
142 .Northern Ireland (2017 or later)  
147 .Yugoslavia  
148 .Czech Republic  
149 .Slovakia  
150 .Bosnia and Herzegovina  
151 .Croatia  
152 .Macedonia  
154 .Serbia  
156 .Latvia  
157 .Lithuania  
158 .Armenia  
159 .Azerbaijan  
160 .Belarus  
161 .Georgia  
162 .Moldova  
163 .Russia  
164 .Ukraine  
165 .USSR  
166 .Europe (2017 or later)  
167 .Kosovo (2017 or later)  
168 .Montenegro  
169 .Other Europe, Not Specified  
200 .Afghanistan  
202 .Bangladesh  
203 .Bhutan  
205 .Myanmar  
206 .Cambodia  
207 .China  
208 .Cyprus (2016 or earlier)  
209 .Hong Kong  
210 .India  
211 .Indonesia  
212 .Iran  
213 .Iraq  
214 .Israel  
215 .Japan  
216 .Jordan

217 .Korea  
218 .Kazakhstan  
219 .Kyrgyzstan (2017 or later)  
222 .Kuwait  
223 .Laos  
224 .Lebanon  
226 .Malaysia  
228 .Mongolia (2017 or later)  
229 .Nepal  
231 .Pakistan  
233 .Philippines  
235 .Saudi Arabia  
236 .Singapore  
238 .Sri Lanka  
239 .Syria  
240 .Taiwan  
242 .Thailand  
243 .Turkey  
245 .United Arab Emirates  
246 .Uzbekistan  
247 .Vietnam  
248 .Yemen  
249 .Asia  
253 .South Central Asia, Not Specified  
254 .Other Asia, Not Specified  
300 .Bermuda  
301 .Canada  
303 .Mexico  
310 .Belize  
311 .Costa Rica  
312 .El Salvador  
313 .Guatemala  
314 .Honduras  
315 .Nicaragua  
316 .Panama  
321 .Antigua and Barbuda  
323 .Bahamas  
324 .Barbados  
327 .Cuba  
328 .Dominica  
329 .Dominican Republic  
330 .Grenada  
332 .Haiti  
333 .Jamaica  
338 .St. Kitts-Nevis (2017 or later)  
339 .St. Lucia  
340 .St. Vincent and the Grenadines  
341 .Trinidad and Tobago  
343 .West Indies  
344 .Caribbean, Not Specified  
360 .Argentina  
361 .Bolivia  
362 .Brazil  
363 .Chile  
364 .Colombia  
365 .Ecuador  
368 .Guyana

369 .Paraguay  
 370 .Peru  
 372 .Uruguay  
 373 .Venezuela  
 374 .South America  
 399 .Americas, Not Specified  
 400 .Algeria  
 407 .Cameroon  
 408 .Cabo Verde  
 412 .Congo  
 414 .Egypt  
 416 .Ethiopia  
 417 .Eritrea  
 420 .Gambia  
 421 .Ghana  
 423 .Guinea  
 425 .Ivory Coast (2017 or later)  
 427 .Kenya  
 429 .Liberia  
 430 .Libya  
 436 .Morocco  
 440 .Nigeria  
 442 .Rwanda (2017 or later)  
 444 .Senegal  
 447 .Sierra Leone  
 448 .Somalia  
 449 .South Africa  
 451 .Sudan  
 453 .Tanzania  
 454 .Togo  
 456 .Tunisia (2017 or later)  
 457 .Uganda  
 459 .Democratic Republic of Congo (Zaire)  
 460 .Zambia  
 461 .Zimbabwe  
 462 .Africa  
 463 .South Sudan (2017 or later)  
 464 .Northern Africa, Not Specified  
 467 .Western Africa, Not Specified  
 468 .Other Africa, Not Specified  
 469 .Eastern Africa, Not Specified  
 501 .Australia  
 508 .Fiji  
 511 .Marshall Islands  
 512 .Micronesia  
 515 .New Zealand  
 523 .Tonga  
 527 .Samoa  
 554 .Other US Island Areas, Oceania, Not Specified, or at Sea

**POVPIP      Numeric      3**

Income-to-poverty ratio recode

bbb            .N/A (individuals who are under 15 and are either living  
                   .in a housing unit but are unrelated to the householder  
                   .or are living in select group quarters)  
 0..500        .Below 501 percent  
 501            .501 percent or more

**POWPUMA Character 5**

Place of work PUMA based on 2010 Census definitions  
bbbbb .N/A (not a worker-not in the labor force, including  
.persons under 16 years; unemployed; civilian  
.employed, with a job not at work; Armed Forces,  
.with a job but not at work)  
00001 .Did not work in the United States or in Puerto Rico  
00100..70100 .Assigned Place of work PUMA. Use with POWSP.

**POWSP Character 3**

Place of work - State or foreign country recode  
bbb .N/A (not a worker-not in the labor force, including persons  
.under 16 years; unemployed; employed, with a job not at  
.work; Armed Forces, with a job but not at work)  
001 .Alabama/AL  
002 .Alaska/AK  
004 .Arizona/AZ  
005 .Arkansas/AR  
006 .California/CA  
008 .Colorado/CO  
009 .Connecticut/CT  
010 .Delaware/DE  
011 .District of Columbia/DC  
012 .Florida/FL  
013 .Georgia/GA  
015 .Hawaii/HI  
016 .Idaho/ID  
017 .Illinois/IL  
018 .Indiana/IN  
019 .Iowa/IA  
020 .Kansas/KS  
021 .Kentucky/KY  
022 .Louisiana/LA  
023 .Maine/ME  
024 .Maryland/MD  
025 .Massachusetts/MA  
026 .Michigan/MI  
027 .Minnesota/MN  
028 .Mississippi/MS  
029 .Missouri/MO  
030 .Montana/MT  
031 .Nebraska/NE  
032 .Nevada/NV  
033 .New Hampshire/NH  
034 .New Jersey/NJ  
035 .New Mexico/NM  
036 .New York/NY  
037 .North Carolina/NC  
038 .North Dakota/ND  
039 .Ohio/OH  
040 .Oklahoma/OK  
041 .Oregon/OR  
042 .Pennsylvania/PA  
044 .Rhode Island/RI  
045 .South Carolina/SC  
046 .South Dakota/SD  
047 .Tennessee/TN

048 .Texas/TX  
 049 .Utah/UT  
 050 .Vermont/VT  
 051 .Virginia/VA  
 053 .Washington/WA  
 054 .West Virginia/WV  
 055 .Wisconsin/WI  
 056 .Wyoming/WY  
 072 .Puerto Rico  
 166 .Europe  
 251 .Eastern Asia  
 254 .Other Asia, Not Specified  
 301 .Canada  
 303 .Mexico  
 399 .Americas, Not Specified  
 555 .Other US Island Areas Not Specified, Africa, Oceania, at  
 .Sea, or Abroad, Not Specified

**PRIVCOV Character 1**

Private health insurance coverage recode  
 1 .With private health insurance coverage  
 2 .Without private health insurance coverage

**PUBCOV Character 1**

Public health coverage recode  
 1 .With public health coverage  
 2 .Without public health coverage

**QTRBIR Character 1**

Quarter of birth  
 1 .January through March  
 2 .April through June  
 3 .July through September  
 4 .October through December

**RAC1P Character 1**

Recoded detailed race code  
 1 .White alone  
 2 .Black or African American alone  
 3 .American Indian alone  
 4 .Alaska Native alone  
 5 .American Indian and Alaska Native tribes specified; or  
 .American Indian or Alaska Native, not specified and no other  
 .races  
 6 .Asian alone  
 7 .Native Hawaiian and Other Pacific Islander alone  
 8 .Some Other Race alone  
 9 .Two or More Races

**RAC2P Character 2**

Recoded detailed race code  
 01 .White alone  
 02 .Black or African American alone  
 03 .Apache alone  
 04 .Blackfeet alone  
 05 .Cherokee alone



06 .Cheyenne alone  
07 .Chickasaw alone  
08 .Chippewa alone  
09 .Choctaw alone  
10 .Comanche alone  
11 .Creek alone  
12 .Crow alone  
13 .Hopi alone  
14 .Iroquois alone  
15 .Lumbee alone  
16 .Mexican American Indian alone  
17 .Navajo alone  
18 .Pima alone  
19 .Potawatomi alone  
20 .Pueblo alone  
21 .Puget Sound Salish alone  
23 .Sioux alone  
24 .South American Indian alone  
25 .Tohono O'Odham alone  
26 .Yaqui alone  
27 .Other specified American Indian tribes alone  
28 .All other specified American Indian tribe combinations  
29 .American Indian, tribe not specified  
30 .Alaskan Athabascan alone  
31 .Tlingit-Haida alone  
32 .Inupiat alone  
33 .Yup'ik alone  
34 .Aleut alone  
35 .Other Alaska Native  
36 .Other American Indian and Alaska Native specified  
37 .American Indian and Alaska Native, not specified  
38 .Asian Indian alone  
39 .Bangladeshi alone  
40 .Bhutanese alone  
41 .Burmese alone  
42 .Cambodian alone  
43 .Chinese, except Taiwanese, alone  
44 .Taiwanese alone  
45 .Filipino alone  
46 .Hmong alone  
47 .Indonesian alone  
48 .Japanese alone  
49 .Korean alone  
50 .Laotian alone  
51 .Malaysian alone  
52 .Mongolian alone  
53 .Nepalese alone  
54 .Pakistani alone  
55 .Sri Lankan alone  
56 .Thai alone  
57 .Vietnamese alone  
58 .Other Asian alone  
59 .All combinations of Asian races only  
60 .Native Hawaiian alone  
61 .Samoan alone  
62 .Tongan alone  
63 .Chamorro alone

64 .Marshallese alone  
65 .Fijian alone  
66 .Other Native Hawaiian and Other Pacific Islander  
67 .Some Other Race alone  
68 .Two or More Races

**RAC3P**      **Character**    **3**

Recoded detailed race code

001 .White alone  
002 .Black or African American alone  
003 .American Indian and Alaska Native alone  
004 .Asian Indian alone  
005 .Chinese alone  
006 .Filipino alone  
007 .Japanese alone  
008 .Korean alone  
009 .Vietnamese alone  
010 .Other Asian alone  
011 .Native Hawaiian alone  
012 .Chamorro alone  
013 .Samoan alone  
014 .Other Pacific Islander alone  
015 .Some Other Race alone  
016 .White; Black or African American  
017 .White; American Indian and Alaska Native  
018 .White; Asian Indian  
019 .White; Chinese  
020 .White; Filipino  
021 .White; Japanese  
022 .White; Korean  
023 .White; Vietnamese  
024 .White; Other Asian  
025 .White; Native Hawaiian  
026 .White; Chamorro  
027 .White; Samoan  
028 .White; Other Pacific Islander  
029 .White; Some Other Race  
030 .Black or African American; American Indian and Alaska Native  
031 .Black or African American; Asian Indian  
032 .Black or African American; Chinese  
033 .Black or African American; Filipino  
034 .Black or African American; Japanese  
035 .Black or African American; Korean  
036 .Black or African American; Other Asian  
037 .Black or African American; Other Pacific Islander  
038 .Black or African American; Some Other Race  
039 .American Indian and Alaska Native; Asian Indian  
040 .American Indian and Alaska Native; Filipino  
041 .American Indian and Alaska Native; Some Other Race  
042 .Asian Indian; Other Asian  
043 .Asian Indian; Some Other Race  
044 .Chinese; Filipino  
045 .Chinese; Japanese  
046 .Chinese; Korean  
047 .Chinese; Vietnamese  
048 .Chinese; Other Asian  
049 .Chinese; Native Hawaiian

050 .Filipino; Japanese  
 051 .Filipino; Native Hawaiian  
 052 .Filipino; Other Pacific Islander  
 053 .Filipino; Some Other Race  
 054 .Japanese; Korean  
 055 .Japanese; Native Hawaiian  
 056 .Vietnamese; Other Asian  
 057 .Other Asian; Other Pacific Islander  
 058 .Other Asian; Some Other Race  
 059 .Other Pacific Islander; Some Other Race  
 060 .White; Black or African American; American Indian and Alaska  
     .Native  
 061 .White; Black or African American; Filipino  
 062 .White; Black or African American; Some Other Race  
 063 .White; American Indian and Alaska Native; Filipino  
 064 .White; American Indian and Alaska Native; Some Other Race  
 065 .White; Chinese; Filipino  
 066 .White; Chinese; Japanese  
 067 .White; Chinese; Native Hawaiian  
 068 .White; Filipino; Native Hawaiian  
 069 .White; Japanese; Native Hawaiian  
 070 .White; Other Asian; Some Other Race  
 071 .Chinese; Filipino; Native Hawaiian  
 072 .White; Chinese; Filipino; Native Hawaiian  
 073 .White; Chinese; Japanese; Native Hawaiian  
 074 .Black or African American; Asian groups  
 075 .Black or African American; Native Hawaiian and Other Pacific  
     .Islander groups  
 076 .Asian Indian; Asian groups  
 077 .Filipino; Asian groups  
 078 .White; Black or African American; Asian groups  
 079 .White; American Indian and Alaska Native; Asian groups  
 080 .White; Native Hawaiian and Other Pacific Islander groups;  
     .and/or Some Other Race  
 081 .White; Black or African American; American Indian and Alaska  
     .Native; Asian groups  
 082 .White; Black or African American; American Indian and Alaska  
     .Native; and/or Native Hawaiian and Other Pacific Islander  
     .groups; and/or Some Other Race  
 083 .White; Black or African American; and/or Asian groups;  
     .and/or Native Hawaiian and Other Pacific Islander groups;  
     .and/or Some Other Race  
 084 .White; American Indian and Alaska Native; and/or Asian  
     .groups; and/or Native Hawaiian and Other Pacific Islander  
     .groups  
 085 .White; Chinese; Filipino; and/or Asian groups; and/or Native  
     .Hawaiian and Other Pacific Islander groups; and/or Some  
     .Other Race  
 086 .White; Chinese; and/or Asian groups; and/or Native Hawaiian  
     .and Other Pacific Islander groups; and/or Some Other Race  
 087 .White; Filipino; and/or Native Hawaiian and Other Pacific  
     .Islander groups; and/or Some Other Race  
 088 .White; Japanese; and/or Asian groups; and/or Native Hawaiian  
     .and Other Pacific Islander groups; and/or Some Other Race  
 089 .White; Asian groups; and/or Native Hawaiian and Other  
     .Pacific Islander groups; and/or Some Other Race

- 090 .Black or African American; American Indian and Alaska  
.Native; and/or Asian groups; and/or Native Hawaiian and  
.Other Pacific Islander groups; and/or Some Other Race
- 091 .Black or African American; Asian groups; and/or Native  
.Hawaiian and Other Pacific Islander groups; and/or Some  
.Other Race
- 092 .American Indian and Alaska Native; Asian groups; and/or  
.Native Hawaiian and Other Pacific Islander groups; and/or  
.Some Other Race
- 093 .Asian Indian; and/or White; and/or Asian groups; and/or  
.Native Hawaiian and Other Pacific Islander groups; and/or  
.Some Other Race
- 094 .Chinese; Japanese; Native Hawaiian; and/or other Asian  
.and/or Pacific Islander groups
- 095 .Chinese; and/or Asian groups; and/or Native Hawaiian and  
.Other Pacific Islander groups; and/or Some Other Race
- 096 .Filipino; and/or Asian groups; and/or Native Hawaiian and  
.Other Pacific Islander groups; and/or Some Other Race
- 097 .Japanese; and/or Asian groups; and/or Native Hawaiian and  
.Other Pacific Islander groups; and/or Some Other Race
- 098 .Korean; and/or Vietnamese; and/or Other Asian; and/or Native  
.Hawaiian and Other Pacific Islander groups; and/or Some  
.Other Race
- 099 .Native Hawaiian; and/or Pacific Islander groups; and/or Some  
.Other Race
- 100 .White; and/or Black or African American; and/or American  
.Indian and Alaska Native; and/or Asian groups; and/or Native  
.Hawaiian and Other Pacific Islander groups; and/or Some  
.Other Race

**RACAIAN Character 1**

American Indian and Alaska Native recode (American Indian and Alaska Native alone or in combination with one or more other races)

- 0 .No
- 1 .Yes

**RACASN Character 1**

Asian recode (Asian alone or in combination with one or more other races)

- 0 .No
- 1 .Yes

**RACBLK Character 1**

Black or African American recode (Black alone or in combination with one or more other races)

- 0 .No
- 1 .Yes

**RACNH Character 1**

Native Hawaiian recode (Native Hawaiian alone or in combination with one or more other races)

- 0 .No
- 1 .Yes

**RACNUM Character 1**

Number of major race groups represented

1..6 .Race groups

**RACPI**      **Character**    **1**

Other Pacific Islander recode (Other Pacific Islander alone or in combination with one or more other races)

0 .No  
1 .Yes

**RACSOR**      **Character**    **1**

Some other race recode (Some other race alone or in combination with one or more other races)

0 .No  
1 .Yes

**RACWHT**      **Character**    **1**

White recode (White alone or in combination with one or more other races)

0 .No  
1 .Yes

**RC**            **Character**    **1**

Related child

b .N/A (in GQ for 2017 and later)  
0 .No and GQ records for 2016 and earlier  
1 .Yes

**SCIENGP**      **Character**    **1**

Field of degree science and engineering flag - NSF definition

b .N/A (less than a bachelor's degree)  
1 .Yes  
2 .No

**SCIENGRLP**    **Character**    **1**

Field of degree science and engineering related flag - NSF definition

b .N/A (less than a bachelor's degree)  
1 .Yes  
2 .No

**SFN**            **Character**    **1**

Subfamily number

b .N/A (GQ/not in a subfamily)  
1 .In subfamily 1  
2 .In subfamily 2  
3 .In subfamily 3  
4 .In subfamily 4

**SFR**            **Character**    **1**

Subfamily relationship

b .N/A (GQ/not in a subfamily)  
1 .Husband/wife no children  
2 .Husband/wife with children  
3 .Parent in a parent/child subfamily  
4 .Child in a married-couple subfamily  
5 .Child in a mother-child subfamily  
6 .Child in a father-child subfamily

**SOCP****Character 6**

Standard Occupational Classification (SOC) codes for 2018 and later based on 2018 SOC codes

bbbbbb .N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)

1110XX .MGR-Chief Executives And Legislators

111021 .MGR-General And Operations Managers

112011 .MGR-Advertising And Promotions Managers

112021 .MGR-Marketing Managers

112022 .MGR-Sales Managers

112030 .MGR-Public Relations And Fundraising Managers

113012 .MGR-Administrative Services Managers

113013 .MGR-Facilities Managers

113021 .MGR-Computer And Information Systems Managers

113031 .MGR-Financial Managers

113111 .MGR-Compensation And Benefits Managers

113121 .MGR-Human Resources Managers

113131 .MGR-Training And Development Managers

113051 .MGR-Industrial Production Managers

113061 .MGR-Purchasing Managers

113071 .MGR-Transportation, Storage, And Distribution Managers

119013 .MGR-Farmers, Ranchers, And Other Agricultural Managers

119021 .MGR-Construction Managers

119030 .MGR-Education And Childcare Administrators

119041 .MGR-Architectural And Engineering Managers

119051 .MGR-Food Service Managers

119070 .MGR-Entertainment And Recreation Managers

119081 .MGR-Lodging Managers

119111 .MGR-Medical And Health Services Managers

119121 .MGR-Natural Sciences Managers

119141 .MGR-Property, Real Estate, And Community Association Managers

119151 .MGR-Social And Community Service Managers

119161 .MGR-Emergency Management Directors

1191XX .MGR-Other Managers

131011 .BUS-Agents And Business Managers Of Artists, Performers, And Athletes

131021 .BUS-Buyers And Purchasing Agents, Farm Products

131022 .BUS-Wholesale And Retail Buyers, Except Farm Products

131023 .BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products

131030 .BUS-Claims Adjusters, Appraisers, Examiners, And Investigators

131041 .BUS-Compliance Officers

131051 .BUS-Cost Estimators

131070 .BUS-Human Resources Workers

131081 .BUS-Logisticians

131082 .BUS-Project Management Specialists

131111 .BUS-Management Analysts

131121 .BUS-Meeting, Convention, And Event Planners

131131 .BUS-Fundraisers

131141 .BUS-Compensation, Benefits, And Job Analysis Specialists

131151 .BUS-Training And Development Specialists

131161 .BUS-Market Research Analysts And Marketing Specialists

131199 .BUS-Business Operations Specialists, All Other

132011 .FIN-Accountants And Auditors

132020 .FIN-Property Appraisers And Assessors

132031 .FIN-Budget Analysts  
132041 .FIN-Credit Analysts  
132051 .FIN-Financial And Investment Analysts  
132052 .FIN-Personal Financial Advisors  
132053 .FIN-Insurance Underwriters  
132061 .FIN-Financial Examiners  
132070 .FIN-Credit Counselors And Loan Officers  
132081 .FIN-Tax Examiners And Collectors, And Revenue Agents  
132082 .FIN-Tax Preparers  
1320XX .FIN-Other Financial Specialists  
151221 .CMM-Computer And Information Research Scientists  
151211 .CMM-Computer Systems Analysts  
151212 .CMM-Information Security Analysts  
151251 .CMM-Computer Programmers  
151252 .CMM-Software Developers  
151253 .CMM-Software Quality Assurance Analysts And Testers  
151254 .CMM-Web Developers  
151255 .CMM-Web And Digital Interface Designers  
151230 .CMM-Computer Support Specialists  
15124X .CMM-Database Administrators And Architects  
151244 .CMM-Network And Computer Systems Administrators  
151241 .CMM-Computer Network Architects  
151299 .CMM-Computer Occupations, All Other  
152011 .CMM-Actuaries  
152031 .CMM-Operations Research Analysts  
1520XX .CMM-Other Mathematical Science Occupations  
171011 .ENG-Architects, Except Landscape And Naval  
171012 .ENG-Landscape Architects  
171020 .ENG-Surveyors, Cartographers, And Photogrammetrists  
172011 .ENG-Aerospace Engineers  
1720XX .ENG-Biomedical And Agricultural Engineers  
172041 .ENG-Chemical Engineers  
172051 .ENG-Civil Engineers  
172061 .ENG-Computer Hardware Engineers  
172070 .ENG-Electrical And Electronics Engineers  
172081 .ENG-Environmental Engineers  
172110 .ENG-Industrial Engineers, Including Health And Safety  
172121 .ENG-Marine Engineers And Naval Architects  
172131 .ENG-Materials Engineers  
172141 .ENG-Mechanical Engineers  
1721XX .ENG-Petroleum, Mining And Geological Engineers, Including  
.Mining Safety Engineers  
1721YY .ENG-Other Engineers  
173011 .ENG-Architectural And Civil Drafters  
17301X .ENG-Other Drafters  
173023 .ENG-Electrical and Electronic Engineering Technologists  
.And Technicians  
17302X .ENG-Other Engineering Technologists And Technicians,  
.Except Drafters  
173031 .ENG-Surveying And Mapping Technicians  
191010 .SCI-Agricultural And Food Scientists  
191020 .SCI-Biological Scientists  
191030 .SCI-Conservation Scientists And Foresters  
1910XX .SCI-Other Life Scientists  
192010 .SCI-Astronomers And Physicists  
192021 .SCI-Atmospheric And Space Scientists  
192030 .SCI-Chemists And Materials Scientists

192041 .SCI-Environmental Scientists And Specialists, Including  
.Health  
19204X .SCI-Geoscientists And Hydrologists, Except Geographers  
192099 .SCI-Physical Scientists, All Other  
193011 .SCI-Economists  
193033 .SCI-Clinical And Counseling Psychologists  
193034 .SCI-School Psychologists  
19303X .SCI-Other Psychologists  
193051 .SCI-Urban And Regional Planners  
1930XX .SCI-Other Social Scientists  
194010 .SCI-Agricultural And Food Science Technicians  
194021 .SCI-Biological Technicians  
194031 .SCI-Chemical Technicians  
1940XX .SCI-Environmental Science And Geoscience Technicians, And  
.Nuclear Technicians  
1940YY .SCI-Other Life, Physical, And Social Science Technicians  
195010 .SCI-Occupational Health And Safety Specialists And  
.Techinicians  
211011 .CMS-Substance Abuse And Behavioral Disorder Counselors  
211012 .CMS-Educational, Guidance, And Career Counselors And  
.Advisors  
211013 .CMS-Marriage And Family Therapists  
211014 .CMS-Mental Health Counselors  
211015 .CMS-Rehabilitation Counselors  
211019 .CMS-Counselors, All Other  
211021 .CMS-Child, Family, And School Social Workers  
211022 .CMS-Healthcare Social Workers  
211023 .CMS-Mental Health And Substance Abuse Social Workers  
211029 .CMS-Social Workers, All Other  
211092 .CMS-Probation Officers And Correctional Treatment  
.Specialists  
211093 .CMS-Social And Human Service Assistants  
21109X .CMS-Other Community And Social Service Specialists  
212011 .CMS-Clergy  
212021 .CMS-Directors, Religious Activities And Education  
212099 .CMS-Religious Workers, All Other  
2310XX .LGL-Lawyers, And Judges, Magistrates, And Other Judicial  
.Workers  
231012 .LGL-Judicial Law Clerks  
232011 .LGL-Paralegals And Legal Assistants  
232093 .LGL-Title Examiners, Abstractors, And Searchers  
232099 .LGL-Legal Support Workers, All Other  
251000 .EDU-Postsecondary Teachers  
252010 .EDU-Preschool And Kindergarten Teachers  
252020 .EDU-Elementary And Middle School Teachers  
252030 .EDU-Secondary School Teachers  
252050 .EDU-Special Education Teachers  
253041 .EDU-Tutors  
2530XX .EDU-Other Teachers And Instructors  
254010 .EDU-Archivists, Curators, And Museum Technicians  
254022 .EDU-Librarians And Media Collections Specialists  
254031 .EDU-Library Technicians  
259040 .EDU-Teaching Assistants  
2590XX .EDU-Other Educational Instruction and Library Workers  
271010 .ENT-Artists And Related Workers  
271021 .ENT-Commercial And Industrial Designers  
271022 .ENT-Fashion Designers



271023 .ENT-Floral Designers  
 271024 .ENT-Graphic Designers  
 271025 .ENT-Interior Designers  
 271026 .ENT-Merchandise Displayers And Window Trimmers  
 27102X .ENT-Other Designers  
 272011 .ENT-Actors  
 272012 .ENT-Producers And Directors  
 272021 .ENT-Athletes And Sports Competitors  
 272022 .ENT-Coaches And Scouts  
 272023 .ENT-Umpires, Referees, And Other Sports Officials  
 272030 .ENT-Dancers And Choreographers  
 272041 .ENT-Music Directors And Composers  
 272042 .ENT-Musicians And Singers  
 272091 .ENT-Disc Jockeys, Except Radio  
 272099 .ENT-Entertainers And Performers, Sports And Related  
 .Workers, All Other  
 273011 .ENT-Broadcast Announcers And Radio Disc Jockeys  
 273023 .ENT-News Analysts, Reporters, And Journalists  
 273031 .ENT-Public Relations Specialists  
 273041 .ENT-Editors  
 273042 .ENT-Technical Writers  
 273043 .ENT-Writers And Authors  
 273091 .ENT-Interpreters And Translators  
 273092 .ENT-Court Reporters And Simultaneous Captioners  
 273099 .ENT-Media And Communication Workers, All Other  
 2740XX .ENT-Other Media And Communication Equipment Workers  
 274021 .ENT-Photographers  
 274030 .ENT-Television, Video, And Film Camera Operators And  
 .Editors  
 291011 .MED-Chiropractors  
 291020 .MED-Dentists  
 291031 .MED-Dietitians And Nutritionists  
 291041 .MED-Optometrists  
 291051 .MED-Pharmacists  
 291210 .MED-Physicians  
 291240 .MED-Surgeons  
 291071 .MED-Physician Assistants  
 291081 .MED-Podiatrists  
 291122 .MED-Occupational Therapists  
 291123 .MED-Physical Therapists  
 291124 .MED-Radiation Therapists  
 291125 .MED-Recreational Therapists  
 291126 .MED-Respiratory Therapists  
 291127 .MED-Speech-Language Pathologists  
 29112X .MED-Other Therapists  
 291131 .MED-Veterinarians  
 291141 .MED-Registered Nurses  
 291151 .MED-Nurse Anesthetists  
 291181 .MED-Audiologists  
 2911XX .MED-Nurse Practitioners, And Nurse Midwives  
 291291 .MED-Acupuncturists  
 291299 .MED-Healthcare Diagnosing Or Treating Practitioners, All  
 .Other  
 292010 .MED-Clinical Laboratory Technologists And Technicians  
 291292 .MED-Dental Hygienists  
 292031 .MED-Cardiovascular Technologists And Technicians  
 292032 .MED-Diagnostic Medical Sonographers

292034 .MED-Radiologic Technologists And Technicians  
 292035 .MED-Magnetic Resonance Imaging Technologists  
 29203X .MED-Nuclear Medicine Technologists And Medical  
       .Dosimetrists  
 292042 .MED-Emergency Medical Technicians  
 292043 .MED-Paramedics  
 292052 .MED-Pharmacy Technicians  
 292053 .MED-Psychiatric Technicians  
 292055 .MED-Surgical Technologists  
 292056 .MED-Veterinary Technologists And Technicians  
 29205X .MED-Dietetic Technicians And Ophthalmic Medical  
       .Techicians  
 292061 .MED-Licensed Practical And Licensed Vocational Nurses  
 292072 .MED-Medical Records Specialists  
 292081 .MED-Opticians, Dispensing  
 292090 .MED-Miscellaneous Health Technologists And Technicians  
 299000 .MED-Other Healthcare Practitioners And Technical  
       .Occupations  
 311121 .HLS-Home Health Aides  
 311122 .HLS-Personal Care Aides  
 311131 .HLS-Nursing Assistants  
 31113X .HLS-Orderlies And Psychiatric Aides  
 312010 .HLS-Occupational Therapy Assistants And Aides  
 312020 .HLS-Physical Therapist Assistants And Aides  
 319011 .HLS-Massage Therapists  
 319091 .HLS-Dental Assistants  
 319092 .HLS-Medical Assistants  
 319094 .HLS-Medical Transcriptionists  
 319095 .HLS-Pharmacy Aides  
 319096 .HLS-Veterinary Assistants And Laboratory Animal  
       .Caretakers  
 319097 .HLS-Phlebotomists  
 31909X .HLS-Other Healthcare Support Workers  
 331011 .PRT-First-Line Supervisors Of Correctional Officers  
 331012 .PRT-First-Line Supervisors Of Police And Detectives  
 331021 .PRT-First-Line Supervisors Of Firefighting And Prevention  
       .Workers  
 331090 .PRT-Miscellaneous First-Line Supervisors, Protective  
       .Service Workers  
 332011 .PRT-Firefighters  
 332020 .PRT-Fire Inspectors  
 333011 .PRT-Bailiffs  
 333012 .PRT-Correctional Officers And Jailers  
 333021 .PRT-Detectives And Criminal Investigators  
 3330XX .PRT-Fish And Game Wardens And Parking Enforcement  
       .Officers  
 333050 .PRT-Police Officers  
 339011 .PRT-Animal Control Workers  
 339021 .PRT-Private Detectives And Investigators  
 339030 .PRT-Security Guards And Gambling Surveillance Officers  
 339091 .PRT-Crossing Guards And Flaggers  
 339093 .PRT-Transportation Security Screeners  
 339094 .PRT-School Bus Monitors  
 33909X .PRT-Other Protective Service Workers  
 351011 .EAT-Chefs And Head Cooks  
 351012 .EAT-First-Line Supervisors Of Food Preparation And  
       .Serving Workers

352010 .EAT-Cooks  
 352021 .EAT-Food Preparation Workers  
 353011 .EAT-Bartenders  
 353023 .EAT-Fast Food And Counter Workers  
 353031 .EAT-Waiters And Waitresses  
 353041 .EAT-Food Servers, Nonrestaurant  
 359011 .EAT-Dining Room And Cafeteria Attendants And Bartender  
 .Helpers  
 359021 .EAT-Dishwashers  
 359031 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee  
 .Shop  
 359099 .EAT-Food Preparation And Serving Related Workers, All  
 .Other  
 371011 .CLN-First-Line Supervisors Of Housekeeping And Janitorial  
 .Workers  
 371012 .CLN-First-Line Supervisors Of Landscaping, Lawn Service,  
 .And Groundskeeping Workers  
 37201X .CLN-Janitors And Building Cleaners  
 372012 .CLN-Maids And Housekeeping Cleaners  
 372021 .CLN-Pest Control Workers  
 373011 .CLN-Landscaping And Groundskeeping Workers  
 373013 .CLN-Tree Trimmers And Pruners  
 37301X .CLN-Other Grounds Maintenance Workers  
 391000 .PRS-Supervisors of Personal Care And Service Workers  
 392011 .PRS-Animal Trainers  
 392021 .PRS-Animal Caretakers  
 393010 .PRS-Gambling Services Workers  
 393031 .PRS-Ushers, Lobby Attendants, And Ticket Takers  
 3930XX .PRS-Other Entertainment Attendants And Related Workers  
 394031 .PRS-Morticians, Undertakers, And Funeral Arrangers  
 3940XX .PRS-Embalmers, Crematory Operators And Funeral Attendants  
 395011 .PRS-Barbers  
 395012 .PRS-Hairdressers, Hairstylists, And Cosmetologists  
 395092 .PRS-Manicurists and Pedicurists  
 395094 .PRS-Skincare Specialists  
 39509X .PRS-Other Personal Appearance Workers  
 396010 .PRS-Baggage Porters, Bellhops, And Concierges  
 397010 .PRS-Tour And Travel Guides  
 399011 .PRS-Childcare Workers  
 399031 .PRS-Exercise Trainers And Group Fitness Instructors  
 399032 .PRS-Recreation Workers  
 399041 .PRS-Residential Advisors  
 399099 .PRS-Personal Care And Service Workers, All Other  
 411011 .SAL-First-Line Supervisors Of Retail Sales Workers  
 411012 .SAL-First-Line Supervisors Of Non-Retail Sales Workers  
 412010 .SAL-Cashiers  
 412021 .SAL-Counter And Rental Clerks  
 412022 .SAL-Parts Salespersons  
 412031 .SAL-Retail Salespersons  
 413011 .SAL-Advertising Sales Agents  
 413021 .SAL-Insurance Sales Agents  
 413031 .SAL-Securities, Commodities, And Financial Services Sales  
 .Agents  
 413041 .SAL-Travel Agents  
 413091 .SAL-Sales Representatives Of Services, Except  
 .Advertising, Insurance, Financial Services, And Travel  
 414010 .SAL-Sales Representatives, Wholesale And Manufacturing

419010 .SAL-Models, Demonstrators, And Product Promoters  
419020 .SAL-Real Estate Brokers And Sales Agents  
419031 .SAL-Sales Engineers  
419041 .SAL-Telemarketers  
419091 .SAL-Door-To-Door Sales Workers, News And Street Vendors,  
.And Related Workers  
419099 .SAL-Sales And Related Workers, All Other  
431011 .OFF-First-Line Supervisors Of Office And Administrative  
.Support Workers  
432011 .OFF-Switchboard Operators, Including Answering Service  
432021 .OFF-Telephone Operators  
432099 .OFF-Communications Equipment Operators, All Other  
433011 .OFF-Bill And Account Collectors  
433021 .OFF-Billing And Posting Clerks  
433031 .OFF-Bookkeeping, Accounting, And Auditing Clerks  
433051 .OFF-Payroll And Timekeeping Clerks  
433061 .OFF-Procurement Clerks  
433071 .OFF-Tellers  
4330XX .OFF-Other Financial Clerks  
434031 .OFF-Court, Municipal, And License Clerks  
434041 .OFF-Credit Authorizers, Checkers, And Clerks  
434051 .OFF-Customer Service Representatives  
434061 .OFF-Eligibility Interviewers, Government Programs  
434071 .OFF-File Clerks  
434081 .OFF-Hotel, Motel, And Resort Desk Clerks  
434111 .OFF-Interviewers, Except Eligibility And Loan  
434121 .OFF-Library Assistants, Clerical  
434131 .OFF-Loan Interviewers And Clerks  
434141 .OFF-New Accounts Clerks  
434XXX .OFF-Correspondence Clerks And Order Clerks  
434161 .OFF-Human Resources Assistants, Except Payroll And  
.Timekeeping  
434171 .OFF-Receptionists And Information Clerks  
434181 .OFF-Reservation And Transportation Ticket Agents And  
.Travel Clerks  
434YYY .OFF-Other Information And Records Clerks  
435011 .OFF-Cargo And Freight Agents  
435021 .OFF-Couriers And Messengers  
435031 .OFF-Public Safety Telecommunicators  
435032 .OFF-Dispatchers, Except Police, Fire, And Ambulance  
435041 .OFF-Meter Readers, Utilities  
435051 .OFF-Postal Service Clerks  
435052 .OFF-Postal Service Mail Carriers  
435053 .OFF-Postal Service Mail Sorters, Processors, And  
.Processing Machine Operators  
435061 .OFF-Production, Planning, And Expediting Clerks  
435071 .OFF-Shipping, Receiving, And Inventory Clerks  
435111 .OFF-Weighers, Measurers, Checkers, And Samplers,  
.Recordkeeping  
436011 .OFF-Executive Secretaries And Executive Administrative  
.Assistants  
436012 .OFF-Legal Secretaries And Administrative Assistants  
436013 .OFF-Medical Secretaries And Administrative Assistants  
436014 .OFF-Secretaries And Administrative Assistants, Except  
.Legal, Medical, And Executive  
439021 .OFF-Data Entry Keyers  
439022 .OFF-Word Processors And Typists

439041 .OFF-Insurance Claims And Policy Processing Clerks  
439051 .OFF-Mail Clerks And Mail Machine Operators, Except Postal  
.Service  
439061 .OFF-Office Clerks, General  
439071 .OFF-Office Machine Operators, Except Computer  
439081 .OFF-Proofreaders And Copy Markers  
439111 .OFF-Statistical Assistants  
439XXX .OFF-Other Office And Administrative Support Workers  
451011 .FFF-First-Line Supervisors Of Farming, Fishing, And  
.Forestry Workers  
452011 .FFF-Agricultural Inspectors  
452041 .FFF-Graders And Sorters, Agricultural Products  
4520XX .FFF-Other Agricultural Workers  
453031 .FFF-Fishing And Hunting Workers  
454011 .FFF-Forest And Conservation Workers  
454020 .FFF-Logging Workers  
471011 .CON-First-Line Supervisors Of Construction Trades And  
.Extraction Workers  
472011 .CON-Boilermakers  
472031 .CON-Carpenters  
472040 .CON-Carpet, Floor, And Tile Installers And Finishers  
472050 .CON-Cement Masons, Concrete Finishers, And Terrazzo  
.Workers  
472061 .CON-Construction Laborers  
472070 .CON-Construction Equipment Operators  
472080 .CON-Drywall Installers, Ceiling Tile Installers, And  
.Tapers  
472111 .CON-Electricians  
472121 .CON-Glaziers  
472130 .CON-Insulation Workers  
472140 .CON-Painters And Paperhangers  
472151 .CON-Pipelayers  
472152 .CON-Plumbers, Pipefitters, And Steamfitters  
472161 .CON-Plasterers And Stucco Masons  
472181 .CON-Roofers  
472211 .CON-Sheet Metal Workers  
472221 .CON-Structural Iron And Steel Workers  
472231 .CON-Solar Photovoltaic Installers  
472XXX .CON-Brickmasons, Blockmasons, Stonemasons, And  
.Reinforcing Iron And Rebar Workers  
473010 .CON-Helpers, Construction Trades  
474011 .CON-Construction And Building Inspectors  
474021 .CON-Elevator And Escalator Installers And Repairers  
474031 .CON-Fence Erectors  
474041 .CON-Hazardous Materials Removal Workers  
474051 .CON-Highway Maintenance Workers  
474061 .CON-Rail-Track Laying And Maintenance Equipment Operators  
4740XX .CON-Other Construction And Related Workers  
4750YY .EXT-Derrick, Rotary Drill, And Service Unit Operators,  
.And Roustabouts, Oil And Gas  
475020 .EXT-Surface Mining Machine Operators And Earth Drillers  
475032 .EXT-Explosives Workers, Ordnance Handling Experts, And  
.Blasters  
475040 .EXT-Underground Mining Machine Operators  
4750XX .EXT-Other Extraction Workers  
491011 .RPR-First-Line Supervisors Of Mechanics, Installers, And  
.Repairers

492011 .RPR-Computer, Automated Teller, And Office Machine  
 .Repairers  
 492020 .RPR-Radio And Telecommunications Equipment Installers And  
 .Repairers  
 492091 .RPR-Avionics Technicians  
 492092 .RPR-Electric Motor, Power Tool, And Related Repairers  
 49209X .RPR-Other Electrical And Electronic Equipment Mechanics,  
 .Installers, and Repairers  
 492097 .RPR-Audiovisual Equipment Installers And Repairers  
 492098 .RPR-Security And Fire Alarm Systems Installers  
 493011 .RPR-Aircraft Mechanics And Service Technicians  
 493021 .RPR-Automotive Body And Related Repairers  
 493022 .RPR-Automotive Glass Installers And Repairers  
 493023 .RPR-Automotive Service Technicians And Mechanics  
 493031 .RPR-Bus And Truck Mechanics And Diesel Engine Specialists  
 493040 .RPR-Heavy Vehicle And Mobile Equipment Service  
 .Technicians And Mechanics  
 493050 .RPR-Small Engine Mechanics  
 493090 .RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics,  
 .Installers, And Repairers  
 499010 .RPR-Control And Valve Installers And Repairers  
 499021 .RPR-Heating, Air Conditioning, And Refrigeration  
 .Mechanics And Installers  
 499031 .RPR-Home Appliance Repairers  
 49904X .RPR-Industrial And Refractory Machinery Mechanics  
 499043 .RPR-Maintenance Workers, Machinery  
 499044 .RPR-Millwrights  
 499051 .RPR-Electrical Power-Line Installers And Repairers  
 499052 .RPR-Telecommunications Line Installers And Repairers  
 499060 .RPR-Precision Instrument And Equipment Repairers  
 499071 .RPR-Maintenance And Repair Workers, General  
 499091 .RPR-Coin, Vending, And Amusement Machine Servicers And  
 .Repairers  
 499094 .RPR-Locksmiths And Safe Repairers  
 499096 .RPR-Riggers  
 499098 .RPR-Helpers--Installation, Maintenance, And Repair  
 .Workers  
 4990XX .RPR-Other Installation, Maintenance, And Repair Workers  
 511011 .PRD-First-Line Supervisors Of Production And Operating  
 .Workers  
 512020 .PRD-Electrical, Electronics, And Electromechanical  
 .Assemblers  
 512031 .PRD-Engine And Other Machine Assemblers  
 512041 .PRD-Structural Metal Fabricators And Fitters  
 5120XX .PRD-Other Assemblers and Fabricators  
 513011 .PRD-Bakers  
 513020 .PRD-Butchers And Other Meat, Poultry, And Fish Processing  
 .Workers  
 513091 .PRD-Food And Tobacco Roasting, Baking, And Drying Machine  
 .Operators And Tenders  
 513092 .PRD-Food Batchmakers  
 513093 .PRD-Food Cooking Machine Operators And Tenders  
 513099 .PRD-Food Processing Workers, All Other  
 519160 .PRD-Computer Numerically Controlled Tool Operators And  
 .Programmers  
 514020 .PRD-Forming Machine Setters, Operators, And Tenders,  
 .Metal And Plastic

514031 .PRD-Cutting, Punching, And Press Machine Setters,  
 .Operators, And Tenders, Metal And Plastic  
 514033 .PRD-Grinding, Lapping, Polishing, And Buffing Machine  
 .Tool Setters, Operators, And Tenders, Metal and Plastic  
 51403X .PRD-Other Machine Tool Setters, Operators, And Tenders,  
 .Metal And Plastic  
 514041 .PRD-Machinists  
 514050 .PRD-Metal Furnace Operators, Tenders, Pourers, And  
 .Casters  
 5140XX .PRD-Model Makers, Patternmakers, And Molding Machine  
 .Setters, Metal And Plastic  
 514111 .PRD-Tool And Die Makers  
 514120 .PRD-Welding, Soldering, And Brazing Workers  
 514XXX .PRD-Other Metal Workers And Plastic Workers  
 515111 .PRD-Prepress Technicians And Workers  
 515112 .PRD-Printing Press Operators  
 515113 .PRD-Print Binding And Finishing Workers  
 516011 .PRD-Laundry And Dry-Cleaning Workers  
 516021 .PRD-Pressers, Textile, Garment, And Related Materials  
 516031 .PRD-Sewing Machine Operators  
 516040 .PRD-Shoe And Leather Workers  
 516050 .PRD-Tailors, Dressmakers, And Sewers  
 516060 .PRD-Textile Machine Setters, Operators, And Tenders  
 516093 .PRD-Upholsterers  
 51609X .PRD-Other Textile, Apparel, And Furnishings Workers  
 517011 .PRD-Cabinetmakers And Bench Carpenters  
 517021 .PRD-Furniture Finishers  
 517041 .PRD-Sawing Machine Setters, Operators, And Tenders, Wood  
 517042 .PRD-Woodworking Machine Setters, Operators, And Tenders,  
 .Except Sawing  
 5170XX .PRD-Other Woodworkers  
 518010 .PRD-Power Plant Operators, Distributors, And Dispatchers  
 518021 .PRD-Stationary Engineers And Boiler Operators  
 518031 .PRD-Water And Wastewater Treatment Plant And System  
 .Operators  
 518090 .PRD-Miscellaneous Plant And System Operators  
 519010 .PRD-Chemical Processing Machine Setters, Operators, And  
 .Tenders  
 519020 .PRD-Crushing, Grinding, Polishing, Mixing, And Blending  
 .Workers  
 519030 .PRD-Cutting Workers  
 519041 .PRD-Extruding, Forming, Pressing, And Compacting Machine  
 .Setters, Operators, And Tenders  
 519051 .PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And  
 .Tenders  
 519061 .PRD-Inspectors, Testers, Sorters, Samplers, And Weighers  
 519071 .PRD-Jewelers And Precious Stone And Metal Workers  
 519080 .PRD-Dental And Ophthalmic Laboratory Technicians And  
 .Medical Appliance Technicians  
 519111 .PRD-Packaging And Filling Machine Operators And Tenders  
 519120 .PRD-Painting Workers  
 519151 .PRD-Photographic Process Workers And Processing Machine  
 .Operators  
 519191 .PRD-Adhesive Bonding Machine Operators And Tenders  
 519194 .PRD-Etchers And Engravers  
 519195 .PRD-Molders, Shapers, And Casters, Except Metal And  
 .Plastic

519196 .PRD-Paper Goods Machine Setters, Operators, And Tenders  
 519197 .PRD-Tire Builders  
 519198 .PRD-Helpers--Production Workers  
 5191XX .PRD-Miscellaneous Production Workers, Including Equipment  
 .Operators and Tenders  
 531000 .TRN-Supervisors Of Transportation And Material Moving  
 .Workers  
 532010 .TRN-Aircraft Pilots And Flight Engineers  
 532020 .TRN-Air Traffic Controllers And Airfield Operations  
 .Specialists  
 532031 .TRN-Flight Attendants  
 533011 .TRN-Ambulance Drivers And Attendants, Except Emergency  
 .Medical Technicians  
 533051 .TRN-Bus Drivers, School  
 533052 .TRN-Bus Drivers, Transit And Intercity  
 533030 .TRN-Driver/Sales Workers And Truck Drivers  
 533053 .TRN-Shuttle Drivers and Chauffeurs  
 533054 .TRN-Taxi Drivers  
 533099 .TRN-Motor Vehicle Operators, All Other  
 534010 .TRN-Locomotive Engineers And Operators  
 534031 .TRN-Railroad Conductors And Yardmasters  
 5340XX .TRN-Other Rail Transportation Workers  
 5350XX .TRN-Sailors And Marine Oilers, And Ship Engineers  
 535020 .TRN-Ship And Boat Captains And Operators  
 536021 .TRN-Parking Attendants  
 536030 .TRN-Transportation Service Attendants  
 536051 .TRN-Transportation Inspectors  
 536061 .TRN-Passenger Attendants  
 5360XX .TRN-Other Transportation Workers  
 537021 .TRN-Crane And Tower Operators  
 5370XX .TRN-Conveyor, Dredge, And Hoist And Winch Operators  
 537051 .TRN-Industrial Truck And Tractor Operators  
 537061 .TRN-Cleaners Of Vehicles And Equipment  
 537062 .TRN-Laborers And Freight, Stock, And Material Movers,  
 .Hand  
 537063 .TRN-Machine Feeders And Offbearers  
 537064 .TRN-Packers And Packagers, Hand  
 537065 .TRN-Stockers And Order Fillers  
 537070 .TRN-Pumping Station Operators  
 537081 .TRN-Refuse And Recyclable Material Collectors  
 5371XX .TRN-Other Material Moving Workers  
 551010 .MIL-Military Officer Special And Tactical Operations  
 .Leaders  
 552010 .MIL-First-Line Enlisted Military Supervisors  
 553010 .MIL-Military Enlisted Tactical Operations And Air/Weapons  
 .Specialists And Crew Members  
 559830 .MIL-Military, Rank Not Specified  
 999920 .Unemployed, With No Work Experience In The Last 5 Years  
 .Or Earlier Or Never Worked

**VPS**

**Character 2**

Veteran period of service

bb .N/A (less than 17 years old, no active duty)  
 01 .Gulf War: 9/2001 or later  
 02 .Gulf War: 9/2001 or later and Gulf War: 8/1990 - 8/2001  
 03 .Gulf War: 9/2001 or later and Gulf War: 8/1990 - 8/2001 and  
 .Vietnam Era



- 04 .Gulf War: 8/1990 - 8/2001
- 05 .Gulf War: 8/1990 - 8/2001 and Vietnam Era
- 06 .Vietnam Era
- 07 .Vietnam Era and Korean War
- 08 .Vietnam Era, Korean War, and WWII
- 09 .Korean War
- 10 .Korean War and WWII
- 11 .WWII
- 12 .Between Gulf War and Vietnam Era only
- 13 .Between Vietnam Era and Korean War only
- 14 .Peacetime service before the Korean War only

**WAOB Character 1**

World area of birth

- 1 .US state (POB = 001-059)
- 2 .PR and US Island Areas (POB = 061-099, also includes POB=060 .for 2017 or earlier)
- 3 .Latin America (POB = 303,310-399)
- 4 .Asia (POB = 158-159,161,200-299)
- 5 .Europe (POB = 100-157,160,162-199)
- 6 .Africa (POB = 400-499)
- 7 .Northern America (POB = 300-302,304-309)
- 8 .Oceania and at Sea (POB = 500-554, also includes POB=060 for .2018 or later)

**PERSON RECORD-ALLOCATION FLAGS**

**FAGEP Character 1**

Age allocation flag

- 0 .No
- 1 .Yes

**FANCP Character 1**

Ancestry allocation flag

- 0 .No
- 1 .Yes

**FCITP Character 1**

Citizenship allocation flag

- 0 .No
- 1 .Yes

**FCITWP Character 1**

Year of naturalization write-in allocation flag

- 0 .No
- 1 .Yes

**FCOWP Character 1**

Class of worker allocation flag

- 0 .No
- 1 .Yes

**FDDRSP Character 1**

Self-care difficulty allocation flag

- 0 .No
- 1 .Yes

**FDEARP**      **Character**    **1**  
Hearing difficulty allocation flag  
0 .No  
1 .Yes

**FDEYEP**      **Character**    **1**  
Vision difficulty allocation flag  
0 .No  
1 .Yes

**FDISP**      **Character**    **1**  
Disability recode allocation flag  
0 .No  
1 .Yes

**FDOUTP**      **Character**    **1**  
Independent living difficulty allocation flag  
0 .No  
1 .Yes

**FDPHYP**      **Character**    **1**  
Ambulatory difficulty allocation flag  
0 .No  
1 .Yes

**FDRATP**      **Character**    **1**  
Disability rating percentage allocation flag  
0 .No  
1 .Yes

**FDRATXP**      **Character**    **1**  
Disability rating checkbox allocation flag  
0 .No  
1 .Yes

**FDREMP**      **Character**    **1**  
Cognitive difficulty allocation flag  
0 .No  
1 .Yes

**FENGP**      **Character**    **1**  
Ability to speak English allocation flag  
0 .No  
1 .Yes

**FESRP**      **Character**    **1**  
Employment status recode allocation flag  
0 .No  
1 .Yes

**FFERP**      **Character**    **1**  
Gave birth to child within the past 12 months allocation flag  
0 .No  
1 .Yes

**FFODP**            **Character**    **1**  
Field of Degree allocation flag  
0 .No  
1 .Yes

**FGCLP**            **Character**    **1**  
Grandparents living with grandchildren allocation flag  
0 .No  
1 .Yes

**FGCMP**            **Character**    **1**  
Length of time responsible for grandchildren allocation flag  
0 .No  
1 .Yes

**FGCRP**            **Character**    **1**  
Grandparents responsible for grandchildren allocation flag  
0 .No  
1 .Yes

**FHICOVP**          **Character**    **1**  
Health insurance coverage recode allocation flag  
0 .No  
1 .Yes

**FHINS1P**          **Character**    **1**  
Insurance through a current or former employer or union allocation flag  
0 .No  
1 .Yes

**FHINS2P**          **Character**    **1**  
Insurance purchased directly from an insurance company allocation flag  
0 .No  
1 .Yes

**FHINS3C**          **Character**    **1**  
Medicare coverage given through the eligibility coverage edit  
b .Does not have Medicare coverage (HINS3=2)  
0 .No  
1 .Yes

**FHINS3P**          **Character**    **1**  
Medicare, for people 65 or older, or people with certain disabilities  
allocation flag  
0 .No  
1 .Yes

**FHINS4C**          **Character**    **1**  
Medicaid coverage given through the eligibility coverage edit  
b .Does not have Medicaid coverage (HINS4=2)  
0 .No  
1 .Yes

**FHINS4P**          **Character**    **1**  
Medicaid, medical assistance, or any kind of government-assistance plan  
for people with low incomes or a disability allocation flag

0 .No  
1 .Yes

**FHINS5C Character 1**

TRICARE coverage given through the eligibility coverage edit  
b .Does not have TRICARE coverage (HINS5=2)  
0 .No  
1 .Yes

**FHINS5P Character 1**

TRICARE or other military health care allocation flag  
0 .No  
1 .Yes

**FHINS6P Character 1**

VA (Health Insurance through VA Health Care) allocation flag  
0 .No  
1 .Yes

**FHINS7P Character 1**

Indian health service allocation flag  
0 .No  
1 .Yes

**FHISP Character 1**

Detailed Hispanic origin allocation flag  
0 .No  
1 .Yes

**FINDP Character 1**

Industry allocation flag  
0 .No  
1 .Yes

**FINTP Character 1**

Interest, dividend, and net rental income allocation flag  
0 .No  
1 .Yes

**FJWDP Character 1**

Time of departure to work allocation flag  
0 .No  
1 .Yes

**FJWMNP Character 1**

Travel time to work allocation flag  
0 .No  
1 .Yes

**FJWRIP Character 1**

Vehicle occupancy allocation flag  
0 .No  
1 .Yes

**FJWTRNSP Character 1**

Means of transportation to work allocation flag

0 .No  
1 .Yes

**FLANP**            **Character**    **1**  
Language other than English spoken at home allocation flag  
0 .No  
1 .Yes

**FLANXP**           **Character**    **1**  
Language other than English allocation flag  
0 .No  
1 .Yes

**FMARP**            **Character**    **1**  
Marital status allocation flag  
0 .No  
1 .Yes

**FMARHDP**        **Character**    **1**  
Divorced in the past 12 months allocation flag  
0 .No  
1 .Yes

**FMARHMP**        **Character**    **1**  
Married in the past 12 months allocation flag  
0 .No  
1 .Yes

**FMARHTP**        **Character**    **1**  
Times married allocation flag  
0 .No  
1 .Yes

**FMARHWP**        **Character**    **1**  
Widowed in the past 12 months allocation flag  
0 .No  
1 .Yes

**FMARHYP**        **Character**    **1**  
Year last married allocation flag  
0 .No  
1 .Yes

**FMIGP**           **Character**    **1**  
Mobility status allocation flag  
0 .No  
1 .Yes

**FMIGSP**        **Character**    **1**  
Migration state allocation flag  
0 .No  
1 .Yes

**FMILPP**        **Character**    **1**  
Military periods of service allocation flag  
0 .No

1 .Yes

**FMILSP**      **Character**    **1**

Military service allocation flag  
0 .No  
1 .Yes

**FOCCP**      **Character**    **1**

Occupation allocation flag  
0 .No  
1 .Yes

**FOIP**        **Character**    **1**

All other income allocation flag  
0 .No  
1 .Yes

**FPAP**        **Character**    **1**

Public assistance income allocation flag  
0 .No  
1 .Yes

**FPERNP**     **Character**    **1**

Total person's earnings allocation flag  
0 .No  
1 .Yes

**FPINCP**     **Character**    **1**

Total person's income (signed) allocation flag  
0 .No  
1 .Yes

**FPOBP**      **Character**    **1**

Place of birth allocation flag  
0 .No  
1 .Yes

**FPOWSP**     **Character**    **1**

Place of work state allocation flag  
0 .No  
1 .Yes

**FPRIVCOVP** **Character**    **1**

Private health insurance coverage recode allocation flag  
0 .No  
1 .Yes

**FPUBCOVP** **Character**    **1**

Public health coverage recode allocation flag  
0 .No  
1 .Yes

**FRACP**      **Character**    **1**

Detailed race allocation flag  
0 .No  
1 .Yes

**FRELSHIP**    **Character**    **1**  
Relationship allocation flag  
0 .No  
1 .Yes

**FRETP**        **Character**    **1**  
Retirement income allocation flag  
0 .No  
1 .Yes

**FSCHGP**       **Character**    **1**  
Grade attending allocation flag  
0 .No  
1 .Yes

**FSCHLP**       **Character**    **1**  
Highest education allocation flag  
0 .No  
1 .Yes

**FSCHP**        **Character**    **1**  
School enrollment allocation flag  
0 .No  
1 .Yes

**FSEMP**        **Character**    **1**  
Self-employment income allocation flag  
0 .No  
1 .Yes

**FSEXP**        **Character**    **1**  
Sex allocation flag  
0 .No  
1 .Yes

**FSSIP**        **Character**    **1**  
Supplementary Security Income allocation flag  
0 .No  
1 .Yes

**FSSP**         **Character**    **1**  
Social Security income allocation flag  
0 .No  
1 .Yes

**FWAGP**        **Character**    **1**  
Wages and salary income allocation flag  
0 .No  
1 .Yes

**FWKHP**        **Character**    **1**  
Usual hours worked per week past 12 months allocation flag  
0 .No  
1 .Yes

**FWKLP**            **Character**    **1**  
 Last worked allocation flag  
 0 .No  
 1 .Yes

**FWKWNP**          **Character**    **1**  
 Weeks worked (numeric) past 12 months allocation flag  
 0 .No  
 1 .Yes

**FWKWP**           **Character**    **1**  
 Weeks worked past 12 months allocation flag  
 0 .No  
 1 .Yes

**FWRKP**           **Character**    **1**  
 Worked last week allocation flag  
 0 .No  
 1 .Yes

**FYOEP**           **Character**    **1**  
 Year of entry allocation flag  
 0 .No  
 1 .Yes

**PERSON RECORD-REPLICATE WEIGHTS**

**PWGTP1**          **Numeric**      **5**  
 Person Weight replicate 1  
 -9999..9999 .Integer weight of person

**PWGTP2**          **Numeric**      **5**  
 Person Weight replicate 2  
 -9999..9999 .Integer weight of person

**PWGTP3**          **Numeric**      **5**  
 Person Weight replicate 3  
 -9999..9999 .Integer weight of person

**PWGTP4**          **Numeric**      **5**  
 Person Weight replicate 4  
 -9999..9999 .Integer weight of person

**PWGTP5**          **Numeric**      **5**  
 Person Weight replicate 5  
 -9999..9999 .Integer weight of person

**PWGTP6**          **Numeric**      **5**  
 Person Weight replicate 6  
 -9999..9999 .Integer weight of person

**PWGTP7**          **Numeric**      **5**  
 Person Weight replicate 7  
 -9999..9999 .Integer weight of person



**PWGTP8**      **Numeric**      **5**  
 Person Weight replicate 8  
                  -9999..9999    .Integer weight of person

**PWGTP9**      **Numeric**      **5**  
 Person Weight replicate 9  
                  -9999..9999    .Integer weight of person

**PWGTP10**     **Numeric**      **5**  
 Person Weight replicate 10  
                  -9999..9999    .Integer weight of person

**PWGTP11**     **Numeric**      **5**  
 Person Weight replicate 11  
                  -9999..9999    .Integer weight of person

**PWGTP12**     **Numeric**      **5**  
 Person Weight replicate 12  
                  -9999..9999    .Integer weight of person

**PWGTP13**     **Numeric**      **5**  
 Person Weight replicate 13  
                  -9999..9999    .Integer weight of person

**PWGTP14**     **Numeric**      **5**  
 Person Weight replicate 14  
                  -9999..9999    .Integer weight of person

**PWGTP15**     **Numeric**      **5**  
 Person Weight replicate 15  
                  -9999..9999    .Integer weight of person

**PWGTP16**     **Numeric**      **5**  
 Person Weight replicate 16  
                  -9999..9999    .Integer weight of person

**PWGTP17**     **Numeric**      **5**  
 Person Weight replicate 17  
                  -9999..9999    .Integer weight of person

**PWGTP18**     **Numeric**      **5**  
 Person Weight replicate 18  
                  -9999..9999    .Integer weight of person

**PWGTP19**     **Numeric**      **5**  
 Person Weight replicate 19  
                  -9999..9999    .Integer weight of person

**PWGTP20**     **Numeric**      **5**  
 Person Weight replicate 20  
                  -9999..9999    .Integer weight of person

**PWGTP21**     **Numeric**      **5**  
 Person Weight replicate 21  
                  -9999..9999    .Integer weight of person

**PWGTP22**      **Numeric**      **5**  
Person Weight replicate 22  
-9999..9999 .Integer weight of person

**PWGTP23**      **Numeric**      **5**  
Person Weight replicate 23  
-9999..9999 .Integer weight of person

**PWGTP24**      **Numeric**      **5**  
Person Weight replicate 24  
-9999..9999 .Integer weight of person

**PWGTP25**      **Numeric**      **5**  
Person Weight replicate 25  
-9999..9999 .Integer weight of person

**PWGTP26**      **Numeric**      **5**  
Person Weight replicate 26  
-9999..9999 .Integer weight of person

**PWGTP27**      **Numeric**      **5**  
Person Weight replicate 27  
-9999..9999 .Integer weight of person

**PWGTP28**      **Numeric**      **5**  
Person Weight replicate 28  
-9999..9999 .Integer weight of person

**PWGTP29**      **Numeric**      **5**  
Person Weight replicate 29  
-9999..9999 .Integer weight of person

**PWGTP30**      **Numeric**      **5**  
Person Weight replicate 30  
-9999..9999 .Integer weight of person

**PWGTP31**      **Numeric**      **5**  
Person Weight replicate 31  
-9999..9999 .Integer weight of person

**PWGTP32**      **Numeric**      **5**  
Person Weight replicate 32  
-9999..9999 .Integer weight of person

**PWGTP33**      **Numeric**      **5**  
Person Weight replicate 33  
-9999..9999 .Integer weight of person

**PWGTP34**      **Numeric**      **5**  
Person Weight replicate 34  
-9999..9999 .Integer weight of person

**PWGTP35**      **Numeric**      **5**  
Person Weight replicate 35  
-9999..9999 .Integer weight of person

**PWGTP36**      **Numeric**      **5**  
Person Weight replicate 36  
-9999..9999 .Integer weight of person

**PWGTP37**      **Numeric**      **5**  
Person Weight replicate 37  
-9999..9999 .Integer weight of person

**PWGTP38**      **Numeric**      **5**  
Person Weight replicate 38  
-9999..9999 .Integer weight of person

**PWGTP39**      **Numeric**      **5**  
Person Weight replicate 39  
-9999..9999 .Integer weight of person

**PWGTP40**      **Numeric**      **5**  
Person Weight replicate 40  
-9999..9999 .Integer weight of person

**PWGTP41**      **Numeric**      **5**  
Person Weight replicate 41  
-9999..9999 .Integer weight of person

**PWGTP42**      **Numeric**      **5**  
Person Weight replicate 42  
-9999..9999 .Integer weight of person

**PWGTP43**      **Numeric**      **5**  
Person Weight replicate 43  
-9999..9999 .Integer weight of person

**PWGTP44**      **Numeric**      **5**  
Person Weight replicate 44  
-9999..9999 .Integer weight of person

**PWGTP45**      **Numeric**      **5**  
Person Weight replicate 45  
-9999..9999 .Integer weight of person

**PWGTP46**      **Numeric**      **5**  
Person Weight replicate 46  
-9999..9999 .Integer weight of person

**PWGTP47**      **Numeric**      **5**  
Person Weight replicate 47  
-9999..9999 .Integer weight of person

**PWGTP48**      **Numeric**      **5**  
Person Weight replicate 48  
-9999..9999 .Integer weight of person

**PWGTP49**      **Numeric**      **5**  
Person Weight replicate 49  
-9999..9999 .Integer weight of person

**PWGTP50**      **Numeric**      **5**  
Person Weight replicate 50  
-9999..9999 .Integer weight of person

**PWGTP51**      **Numeric**      **5**  
Person Weight replicate 51  
-9999..9999 .Integer weight of person

**PWGTP52**      **Numeric**      **5**  
Person Weight replicate 52  
-9999..9999 .Integer weight of person

**PWGTP53**      **Numeric**      **5**  
Person Weight replicate 53  
-9999..9999 .Integer weight of person

**PWGTP54**      **Numeric**      **5**  
Person Weight replicate 54  
-9999..9999 .Integer weight of person

**PWGTP55**      **Numeric**      **5**  
Person Weight replicate 55  
-9999..9999 .Integer weight of person

**PWGTP56**      **Numeric**      **5**  
Person Weight replicate 56  
-9999..9999 .Integer weight of person

**PWGTP57**      **Numeric**      **5**  
Person Weight replicate 57  
-9999..9999 .Integer weight of person

**PWGTP58**      **Numeric**      **5**  
Person Weight replicate 58  
-9999..9999 .Integer weight of person

**PWGTP59**      **Numeric**      **5**  
Person Weight replicate 59  
-9999..9999 .Integer weight of person

**PWGTP60**      **Numeric**      **5**  
Person Weight replicate 60  
-9999..9999 .Integer weight of person

**PWGTP61**      **Numeric**      **5**  
Person Weight replicate 61  
-9999..9999 .Integer weight of person

**PWGTP62**      **Numeric**      **5**  
Person Weight replicate 62  
-9999..9999 .Integer weight of person

**PWGTP63**      **Numeric**      **5**  
Person Weight replicate 63  
-9999..9999 .Integer weight of person

**PWGTP64**      **Numeric**      **5**  
Person Weight replicate 64  
-9999..9999 .Integer weight of person

**PWGTP65**      **Numeric**      **5**  
Person Weight replicate 65  
-9999..9999 .Integer weight of person

**PWGTP66**      **Numeric**      **5**  
Person Weight replicate 66  
-9999..9999 .Integer weight of person

**PWGTP67**      **Numeric**      **5**  
Person Weight replicate 67  
-9999..9999 .Integer weight of person

**PWGTP68**      **Numeric**      **5**  
Person Weight replicate 68  
-9999..9999 .Integer weight of person

**PWGTP69**      **Numeric**      **5**  
Person Weight replicate 69  
-9999..9999 .Integer weight of person

**PWGTP70**      **Numeric**      **5**  
Person Weight replicate 70  
-9999..9999 .Integer weight of person

**PWGTP71**      **Numeric**      **5**  
Person Weight replicate 71  
-9999..9999 .Integer weight of person

**PWGTP72**      **Numeric**      **5**  
Person Weight replicate 72  
-9999..9999 .Integer weight of person

**PWGTP73**      **Numeric**      **5**  
Person Weight replicate 73  
-9999..9999 .Integer weight of person

**PWGTP74**      **Numeric**      **5**  
Person Weight replicate 74  
-9999..9999 .Integer weight of person

**PWGTP75**      **Numeric**      **5**  
Person Weight replicate 75  
-9999..9999 .Integer weight of person

**PWGTP76**      **Numeric**      **5**  
Person Weight replicate 76  
-9999..9999 .Integer weight of person

**PWGTP77**      **Numeric**      **5**  
Person Weight replicate 77  
-9999..9999 .Integer weight of person

**PWGTP78**      **Numeric**      **5**  
Person Weight replicate 78  
-9999..9999    .Integer weight of person

**PWGTP79**      **Numeric**      **5**  
Person Weight replicate 79  
-9999..9999    .Integer weight of person

**PWGTP80**      **Numeric**      **5**  
Person Weight replicate 80  
-9999..9999    .Integer weight of person