

## 2016-2020 ACS PUMS DATA DICTIONARY

March 31, 2022

### 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

- 2016000000001..2017999999999 .Unique identifier (2017 and .earlier)
- 2018GQ0000001..2020GQ9999999 .GQ Unique identifier (2018 and .later)
- 2018HU0000001..2020HU9999999 .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)

1078664 .2016 factor  
 1055956 .2017 factor  
 1030827 .2018 factor  
 1012483 .2019 factor  
 1000000 .2020 factor

**ADJINC Character 7**

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

1086849 .2016 factor (1.007588 \* 1.07866440)  
1067771 .2017 factor (1.011189 \* 1.05595568)  
1044328 .2018 factor (1.013097 \* 1.03082747)  
1022755 .2019 factor (1.010145 \* 1.01248340)  
1006149 .2020 factor (1.006149 \* 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)  
bbbbb            .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

<b>SINK</b>	<b>Character</b>	<b>1</b>
	Sink with a faucet	
	b	.N/A (GQ)
	1	.Yes
	2	.No
<b>SMARTPHONE</b>	<b>Character</b>	<b>1</b>
	Smartphone	
	b	.N/A (GQ/vacant)
	1	.Yes
	2	.No
<b>SMP</b>	<b>Numeric</b>	<b>5</b>
	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)
	1..99999	.\$1 to \$99999 (Rounded and top-coded)
<b>STOV</b>	<b>Character</b>	<b>1</b>
	Stove or range	
	b	.N/A (GQ)
	1	.Yes
	2	.No
<b>TABLET</b>	<b>Character</b>	<b>1</b>
	Tablet or other portable wireless computer	
	b	.N/A (GQ/vacant)
	1	.Yes
	2	.No
<b>TEL</b>	<b>Character</b>	<b>1</b>
	Telephone service	
	b	.N/A (GQ/vacant)
	1	.Yes
	2	.No
	8	.Suppressed for data year 2016 or 2019 for selected PUMAs
<b>TEN</b>	<b>Character</b>	<b>1</b>
	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
<b>VACS</b>	<b>Character</b>	<b>1</b>
	Vacancy status	
	b	.N/A (GQ/occupied)
	1	.For rent
	2	.Rented, not occupied
	3	.For sale only
	4	.Sold, not occupied
	5	.For seasonal/recreational/occasional use



VALP	Numeric	7
Property value		
bbbbbbb	.N/A (GQ/vacant units, except 'for-sale-only' and 'sold, not occupied'/not owned or being .bought)	
1..9999999	.\$1 to \$9999999 (Rounded and top-coded)	
VEH	Character	1
Vehicles (1 ton or less) available		
b	.N/A (GQ/vacant)	
0	.No vehicles	
1	.1 vehicle	
2	.2 vehicles	
3	.3 vehicles	
4	.4 vehicles	
5	.5 vehicles	
6	.6 or more vehicles	
WATFP	Character	1
Water cost flag variable		
b	.N/A (GQ/vacant)	
1	.Included in rent or in condo fee	
2	.No charge	
3	.Valid annual water cost in WATP	
WATP	Numeric	4
Water cost (yearly cost, use ADJHSG to adjust WATP to constant dollars)		
bbbb	.N/A (GQ/vacant/included in rent or in condo fee/no .charge)	
3..9999	.\$3 to \$9999 (Rounded and top-coded)	
YBL	Character	2
When structure first built		
bb	.N/A (GQ)	
01	.1939 or earlier	
02	.1940 to 1949	
03	.1950 to 1959	
04	.1960 to 1969	
05	.1970 to 1979	
06	.1980 to 1989	
07	.1990 to 1999	
08	.2000 to 2004	
09	.2005	
10	.2006	
11	.2007	
12	.2008	
13	.2009	
14	.2010	
15	.2011	
16	.2012	
17	.2013	
18	.2014	
19	.2015	

20 .2016  
 21 .2017  
 22 .2018  
 23 .2019  
 24 .2020

# HOUSING RECORD-HOUSEHOLD VARIABLES

## CPLT Character 1

Couple type  
 b .N/A (GQ/vacant/non-couple households)  
 1 .Opposite-sex husband/wife/spouse household  
 2 .Same-sex husband/wife/spouse/household  
 3 .Opposite-sex unmarried partner household  
 4 .Same-sex unmarried partner household

## FES Character 1

Family type and employment status  
 b .N/A (GQ/vacant/not a family/same-sex married-couple families)  
 1 .Married-couple family: Husband and wife in LF  
 2 .Married-couple family: Husband in labor force, wife not in LF  
 3 .Married-couple family: Husband not in LF, wife in LF  
 4 .Married-couple family: Neither husband nor wife in LF  
 5 .Other family: Male householder, no wife present, in LF  
 6 .Other family: Male householder, no wife present, not in LF  
 7 .Other family: Female householder, no husband present, in LF  
 8 .Other family: Female householder, no husband present, not in LF  
 .LF

## 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)  
 bbbbb .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

**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 .relatives, 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)

bbbbbbbb	.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)  
bbbbbb            .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)  
     bbbbbb            .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

**WKEXREL**       **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)  
 reciprocity 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

**FINSP**            **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

**FREFRP**        **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

**FYBLP**            **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

**WGTP78          Numeric          5**  
Housing Unit Weight replicate 78  
-9999..9999 .Integer weight of housing unit

**WGTP79          Numeric          5**  
Housing Unit Weight replicate 79  
-9999..9999 .Integer weight of housing unit

**WGTP80          Numeric          5**  
Housing Unit Weight replicate 80  
-9999..9999 .Integer weight of housing unit

#### **PERSON RECORD**

##### **PERSON 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  
2016000000001..2017999999999 .Unique identifier (2017 and  
.earlier)  
2018GQ0000001..2020GQ9999999 .GQ Unique identifier (2018 and  
.later)  
2018HU0000001..2020HU9999999 .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)

**SPORDER**      **Numeric**      **2**  
 Person number  
 01..20 .Person number

**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

**ADJINC Character 7**

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

1086849 .2016 factor (1.007588 \* 1.07866440)  
 1067771 .2017 factor (1.011189 \* 1.05595568)  
 1044328 .2018 factor (1.013097 \* 1.03082747)  
 1022755 .2019 factor (1.010145 \* 1.01248340)  
 1006149 .2020 factor (1.006149 \* 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 American parent(s)  
 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  
 1955 .1955  
 1956 .1956

1957 .1957  
1958 .1958  
1959 .1959  
1960 .1960  
1961 .1961  
1962 .1962  
1963 .1963  
1964 .1964  
1965 .1965  
1966 .1966  
1967 .1967  
1968 .1968  
1969 .1969  
1970 .1970  
1971 .1971  
1972 .1972  
1973 .1973  
1974 .1974  
1975 .1975  
1976 .1976  
1977 .1977  
1978 .1978  
1979 .1979  
1980 .1980  
1981 .1981  
1982 .1982  
1983 .1983  
1984 .1984  
1985 .1985  
1986 .1986  
1987 .1987  
1988 .1988  
1989 .1989  
1990 .1990  
1991 .1991  
1992 .1992  
1993 .1993  
1994 .1994  
1995 .1995  
1996 .1996  
1997 .1997  
1998 .1998  
1999 .1999  
2000 .2000  
2001 .2001  
2002 .2002  
2003 .2003  
2004 .2004  
2005 .2005  
2006 .2006  
2007 .2007  
2008 .2008  
2009 .2009  
2010 .2010  
2011 .2011  
2012 .2012  
2013 .2013

2014 .2014  
2015 .2015  
2016 .2016  
2017 .2017  
2018 .2018  
2019 .2019  
2020 .2020

**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)

**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)  
000001..999999    \$.1 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)
- 1942 .1942 or earlier (Bottom-coded)
- 1943 .1943
- 1944 .1944
- 1945 .1945
- 1946 .1946
- 1947 .1947
- 1948 .1948
- 1949 .1949
- 1950 .1950
- 1951 .1951
- 1952 .1952
- 1953 .1953
- 1954 .1954
- 1955 .1955
- 1956 .1956
- 1957 .1957
- 1958 .1958
- 1959 .1959
- 1960 .1960
- 1961 .1961
- 1962 .1962
- 1963 .1963
- 1964 .1964
- 1965 .1965
- 1966 .1966
- 1967 .1967
- 1968 .1968
- 1969 .1969
- 1970 .1970
- 1971 .1971
- 1972 .1972
- 1973 .1973
- 1974 .1974
- 1975 .1975
- 1976 .1976
- 1977 .1977
- 1978 .1978
- 1979 .1979
- 1980 .1980
- 1981 .1981
- 1982 .1982

1983 .1983  
 1984 .1984  
 1985 .1985  
 1986 .1986  
 1987 .1987  
 1988 .1988  
 1989 .1989  
 1990 .1990  
 1991 .1991  
 1992 .1992  
 1993 .1993  
 1994 .1994  
 1995 .1995  
 1996 .1996  
 1997 .1997  
 1998 .1998  
 1999 .1999  
 2000 .2000  
 2001 .2001  
 2002 .2002  
 2003 .2003  
 2004 .2004  
 2005 .2005  
 2006 .2006  
 2007 .2007  
 2008 .2008  
 2009 .2009  
 2010 .2010  
 2011 .2011  
 2012 .2012  
 2013 .2013  
 2014 .2014  
 2015 .2015  
 2016 .2016  
 2017 .2017  
 2018 .2018  
 2019 .2019  
 2020 .2020

**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

**MLPI Character 1**

Served January 1947 - June 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

**MLPK Character 1**

Served November 1941 or earlier  
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)

**RELSHIPP 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)

bbbbbb                  .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)  
 1..999999        . \$1 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  
 1947 .1947  
 1948 .1948  
 1949 .1949  
 1950 .1950  
 1951 .1951  
 1952 .1952  
 1953 .1953  
 1954 .1954  
 1955 .1955  
 1956 .1956  
 1957 .1957

1958 .1958  
1959 .1959  
1960 .1960  
1961 .1961  
1962 .1962  
1963 .1963  
1964 .1964  
1965 .1965  
1966 .1966  
1967 .1967  
1968 .1968  
1969 .1969  
1970 .1970  
1971 .1971  
1972 .1972  
1973 .1973  
1974 .1974  
1975 .1975  
1976 .1976  
1977 .1977  
1978 .1978  
1979 .1979  
1980 .1980  
1981 .1981  
1982 .1982  
1983 .1983  
1984 .1984  
1985 .1985  
1986 .1986  
1987 .1987  
1988 .1988  
1989 .1989  
1990 .1990  
1991 .1991  
1992 .1992  
1993 .1993  
1994 .1994  
1995 .1995  
1996 .1996  
1997 .1997  
1998 .1998  
1999 .1999  
2000 .2000  
2001 .2001  
2002 .2002  
2003 .2003  
2004 .2004  
2005 .2005  
2006 .2006  
2007 .2007  
2008 .2008  
2009 .2009  
2010 .2010  
2011 .2011  
2012 .2012  
2013 .2013  
2014 .2014

2015 .2015  
 2016 .2016  
 2017 .2017  
 2018 .2018  
 2019 .2019  
 2020 .2020

#### 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 .Turkestanian  
169 .Uzbek  
170 .Georgia CIS  
171 .Ukrainian  
176 .Yugoslavian  
177 .Bosnian and Herzegovinian  
178 .Slavic  
179 .Slavonian  
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  
423 .Kuwaiti (2017 or later)  
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  
824 .Palauan (2017 or later)  
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  
 936 .Acadian (2017 or later)  
 937 .Cajun  
 939 .American  
 940 .United States  
 970 .New Mexico (2017 or later)  
 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 .Turkestani  
169 .Uzbek  
170 .Georgia CIS  
171 .Ukrainian  
176 .Yugoslavian  
177 .Bosnian and Herzegovinian  
178 .Slavic  
179 .Slavonian  
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  
423 .Kuwaiti (2017 or later)  
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  
 824 .Palauan (2017 or later)  
 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  
 936 .Acadian (2017 or later)  
 937 .Cajun  
 939 .American  
 940 .United States  
 970 .New Mexico (2017 or later)  
 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  
 3201 .Court Reporting  
 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  
 3201 .Court Reporting  
 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

**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-Ordinance

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.  
 026 .2:20 a.m. to 2:24 a.m.  
 027 .2:25 a.m. to 2:29 a.m.  
 028 .2:30 a.m. to 2:34 a.m.  
 029 .2:35 a.m. to 2:39 a.m.  
 030 .2:40 a.m. to 2:44 a.m.  
 031 .2:45 a.m. to 2:49 a.m.  
 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.  
 037 .3:15 a.m. to 3:19 a.m.  
 038 .3:20 a.m. to 3:24 a.m.  
 039 .3:25 a.m. to 3:29 a.m.  
 040 .3:30 a.m. to 3:34 a.m.

041 .3:35 a.m. to 3:39 a.m.  
042 .3:40 a.m. to 3:44 a.m.  
043 .3:45 a.m. to 3:49 a.m.  
044 .3:50 a.m. to 3:54 a.m.  
045 .3:55 a.m. to 3:59 a.m.  
046 .4:00 a.m. to 4:04 a.m.  
047 .4:05 a.m. to 4:09 a.m.  
048 .4:10 a.m. to 4:14 a.m.  
049 .4:15 a.m. to 4:19 a.m.  
050 .4:20 a.m. to 4:24 a.m.  
051 .4:25 a.m. to 4:29 a.m.  
052 .4:30 a.m. to 4:34 a.m.  
053 .4:35 a.m. to 4:39 a.m.  
054 .4:40 a.m. to 4:44 a.m.  
055 .4:45 a.m. to 4:49 a.m.  
056 .4:50 a.m. to 4:54 a.m.  
057 .4:55 a.m. to 4:59 a.m.  
058 .5:00 a.m. to 5:04 a.m.  
059 .5:05 a.m. to 5:09 a.m.  
060 .5:10 a.m. to 5:14 a.m.  
061 .5:15 a.m. to 5:19 a.m.  
062 .5:20 a.m. to 5:24 a.m.  
063 .5:25 a.m. to 5:29 a.m.  
064 .5:30 a.m. to 5:34 a.m.  
065 .5:35 a.m. to 5:39 a.m.  
066 .5:40 a.m. to 5:44 a.m.  
067 .5:45 a.m. to 5:49 a.m.  
068 .5:50 a.m. to 5:54 a.m.  
069 .5:55 a.m. to 5:59 a.m.  
070 .6:00 a.m. to 6:04 a.m.  
071 .6:05 a.m. to 6:09 a.m.  
072 .6:10 a.m. to 6:14 a.m.  
073 .6:15 a.m. to 6:19 a.m.  
074 .6:20 a.m. to 6:24 a.m.  
075 .6:25 a.m. to 6:29 a.m.  
076 .6:30 a.m. to 6:34 a.m.  
077 .6:35 a.m. to 6:39 a.m.  
078 .6:40 a.m. to 6:44 a.m.  
079 .6:45 a.m. to 6:49 a.m.  
080 .6:50 a.m. to 6:54 a.m.  
081 .6:55 a.m. to 6:59 a.m.  
082 .7:00 a.m. to 7:04 a.m.  
083 .7:05 a.m. to 7:09 a.m.  
084 .7:10 a.m. to 7:14 a.m.  
085 .7:15 a.m. to 7:19 a.m.  
086 .7:20 a.m. to 7:24 a.m.  
087 .7:25 a.m. to 7:29 a.m.  
088 .7:30 a.m. to 7:34 a.m.  
089 .7:35 a.m. to 7:39 a.m.  
090 .7:40 a.m. to 7:44 a.m.  
091 .7:45 a.m. to 7:49 a.m.  
092 .7:50 a.m. to 7:54 a.m.  
093 .7:55 a.m. to 7:59 a.m.  
094 .8:00 a.m. to 8:04 a.m.  
095 .8:05 a.m. to 8:09 a.m.  
096 .8:10 a.m. to 8:14 a.m.  
097 .8:15 a.m. to 8:19 a.m.

098 .8:20 a.m. to 8:24 a.m.  
099 .8:25 a.m. to 8:29 a.m.  
100 .8:30 a.m. to 8:34 a.m.  
101 .8:35 a.m. to 8:39 a.m.  
102 .8:40 a.m. to 8:44 a.m.  
103 .8:45 a.m. to 8:49 a.m.  
104 .8:50 a.m. to 8:54 a.m.  
105 .8:55 a.m. to 8:59 a.m.  
106 .9:00 a.m. to 9:04 a.m.  
107 .9:05 a.m. to 9:09 a.m.  
108 .9:10 a.m. to 9:14 a.m.  
109 .9:15 a.m. to 9:19 a.m.  
110 .9:20 a.m. to 9:24 a.m.  
111 .9:25 a.m. to 9:29 a.m.  
112 .9:30 a.m. to 9:34 a.m.  
113 .9:35 a.m. to 9:39 a.m.  
114 .9:40 a.m. to 9:44 a.m.  
115 .9:45 a.m. to 9:49 a.m.  
116 .9:50 a.m. to 9:54 a.m.  
117 .9:55 a.m. to 9:59 a.m.  
118 .10:00 a.m. to 10:04 a.m.  
119 .10:05 a.m. to 10:09 a.m.  
120 .10:10 a.m. to 10:14 a.m.  
121 .10:15 a.m. to 10:19 a.m.  
122 .10:20 a.m. to 10:24 a.m.  
123 .10:25 a.m. to 10:29 a.m.  
124 .10:30 a.m. to 10:34 a.m.  
125 .10:35 a.m. to 10:39 a.m.  
126 .10:40 a.m. to 10:44 a.m.  
127 .10:45 a.m. to 10:49 a.m.  
128 .10:50 a.m. to 10:54 a.m.  
129 .10:55 a.m. to 10:59 a.m.  
130 .11:00 a.m. to 11:04 a.m.  
131 .11:05 a.m. to 11:09 a.m.  
132 .11:10 a.m. to 11:14 a.m.  
133 .11:15 a.m. to 11:19 a.m.  
134 .11:20 a.m. to 11:24 a.m.  
135 .11:25 a.m. to 11:29 a.m.  
136 .11:30 a.m. to 11:34 a.m.  
137 .11:35 a.m. to 11:39 a.m.  
138 .11:40 a.m. to 11:44 a.m.  
139 .11:45 a.m. to 11:49 a.m.  
140 .11:50 a.m. to 11:54 a.m.  
141 .11:55 a.m. to 11:59 a.m.  
142 .12:00 p.m. to 12:04 p.m.  
143 .12:05 p.m. to 12:09 p.m.  
144 .12:10 p.m. to 12:14 p.m.  
145 .12:15 p.m. to 12:19 p.m.  
146 .12:20 p.m. to 12:24 p.m.  
147 .12:25 p.m. to 12:29 p.m.  
148 .12:30 p.m. to 12:34 p.m.  
149 .12:35 p.m. to 12:39 p.m.  
150 .12:40 p.m. to 12:44 p.m.  
151 .12:45 p.m. to 12:49 p.m.  
152 .12:50 p.m. to 12:54 p.m.  
153 .12:55 p.m. to 12:59 p.m.  
154 .1:00 p.m. to 1:04 p.m.

155 .1:05 p.m. to 1:09 p.m.  
156 .1:10 p.m. to 1:14 p.m.  
157 .1:15 p.m. to 1:19 p.m.  
158 .1:20 p.m. to 1:24 p.m.  
159 .1:25 p.m. to 1:29 p.m.  
160 .1:30 p.m. to 1:34 p.m.  
161 .1:35 p.m. to 1:39 p.m.  
162 .1:40 p.m. to 1:44 p.m.  
163 .1:45 p.m. to 1:49 p.m.  
164 .1:50 p.m. to 1:54 p.m.  
165 .1:55 p.m. to 1:59 p.m.  
166 .2:00 p.m. to 2:04 p.m.  
167 .2:05 p.m. to 2:09 p.m.  
168 .2:10 p.m. to 2:14 p.m.  
169 .2:15 p.m. to 2:19 p.m.  
170 .2:20 p.m. to 2:24 p.m.  
171 .2:25 p.m. to 2:29 p.m.  
172 .2:30 p.m. to 2:34 p.m.  
173 .2:35 p.m. to 2:39 p.m.  
174 .2:40 p.m. to 2:44 p.m.  
175 .2:45 p.m. to 2:49 p.m.  
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.  
182 .3:20 p.m. to 3:24 p.m.  
183 .3:25 p.m. to 3:29 p.m.  
184 .3:30 p.m. to 3:34 p.m.  
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.  
191 .4:05 p.m. to 4:09 p.m.  
192 .4:10 p.m. to 4:14 p.m.  
193 .4:15 p.m. to 4:19 p.m.  
194 .4:20 p.m. to 4:24 p.m.  
195 .4:25 p.m. to 4:29 p.m.  
196 .4:30 p.m. to 4:34 p.m.  
197 .4:35 p.m. to 4:39 p.m.  
198 .4:40 p.m. to 4:44 p.m.  
199 .4:45 p.m. to 4:49 p.m.  
200 .4:50 p.m. to 4:54 p.m.  
201 .4:55 p.m. to 4:59 p.m.  
202 .5:00 p.m. to 5:04 p.m.  
203 .5:05 p.m. to 5:09 p.m.  
204 .5:10 p.m. to 5:14 p.m.  
205 .5:15 p.m. to 5:19 p.m.  
206 .5:20 p.m. to 5:24 p.m.  
207 .5:25 p.m. to 5:29 p.m.  
208 .5:30 p.m. to 5:34 p.m.  
209 .5:35 p.m. to 5:39 p.m.  
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.  
215 .6:05 p.m. to 6:09 p.m.  
216 .6:10 p.m. to 6:14 p.m.  
217 .6:15 p.m. to 6:19 p.m.  
218 .6:20 p.m. to 6:24 p.m.  
219 .6:25 p.m. to 6:29 p.m.  
220 .6:30 p.m. to 6:34 p.m.  
221 .6:35 p.m. to 6:39 p.m.  
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.  
229 .7:15 p.m. to 7:19 p.m.  
230 .7:20 p.m. to 7:24 p.m.  
231 .7:25 p.m. to 7:29 p.m.  
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.  
242 .8:20 p.m. to 8:24 p.m.  
243 .8:25 p.m. to 8:29 p.m.  
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

bbbbbb .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

bbbbbb .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  
       .Technicians  
 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)

bbbbbbb	.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..1999998	.\$1 to \$1999998 (Rounded and top-coded components)

**PINCP      Numeric      7**

Total person's income (signed, use ADJINC to adjust to constant dollars)

bbbbbbb	.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..4209995	.\$1 to \$4209995 (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

bbbbbb    .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 .Potawatomini alone
- 20 .Pueblo alone
- 21 .Puget Sound Salish alone
- 22 .Seminole 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

**SOC 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  
     .Technicians  
 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  
     .Techinicians  
 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 .Between Korean War and World War II only  
   15 .Pre-WWII 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

**FCDRSP**          **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

**FRELSHIPP**   **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