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)
    2018HU00000001..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 to 99. 0 to 99 bedrooms (Top-coded)

**BLD**  Character  2  
Units in structure  
b. 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 to 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
Valid monthly electricity cost in ELEP

**ELEP**
**Numeric 4**
Electricity cost (monthly cost, use ADJHSG to adjust ELEP to constant dollars)

```
bbb  .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) recipiency

```
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)

```
bbb  .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)

```
bbb  .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
2  .No

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

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

**SMP**  Numeric 5
Total payment on all second and junior mortgages and home equity loans (monthly amount, use ADJHSG to adjust SMP to constant dollars)
bbbbbb  .N/A (GQ/vacant/not owned or being bought/ no second or junior mortgages or home equity loans)
1  .99999  .$1 to $99999 (Rounded and top-coded)

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

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

**TEL**  Character 1
Telephone service
b  .N/A (GQ/vacant)
1  .Yes
2  .No
8  .Suppressed for data year 2016 or 2019 for selected PUMAs

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

**VACS**  Character 1
Vacancy status
b  .N/A (GQ/occupied)
1  .For rent
2  .Rented, not occupied
3  .For sale only
4  .Sold, not occupied
5  .For seasonal/recreational/occasional use
For migrant workers
Other vacant

**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)  
.bbbbb .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
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

FINCP  Numeric  8
Family income (past 12 months, use ADJINC to adjust FINCP to constant dollars)
bbbbbobb  .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
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)
b .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)
bbbb .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'/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

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) recipiency 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

FHSPEEDP 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

FHWATP  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

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

FSMOCFP 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

FTEL P Character 1
Telephone service allocation flag
b .N/A (GQ)
FTENP  Character  1
Tenure allocation flag
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
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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
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<td>Numeric 5</td>
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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)
2018HU00000001..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
 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
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)
  bbbbbbb .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)
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  
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1982 .1982
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)
0 .Did not serve this period
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 year 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)  
bbbbbbb .N/A (less than 15 years old)  
0 .None  
4..999999 .$4 to $999999 (Rounded and top-coded)

**PAP**  
**Numeric 5**  
Public assistance income past 12 months (use ADJINC to adjust to constant dollars)  
bbbbbb .N/A (less than 15 years old)  
0 .None  
4..30000 .$4 to $30000 (Rounded)

**RELSHIP**  
**Character 2**  
Relationship to reference person  
20 .Reference person  
21 .Opposite-sex husband/wife/spouse  
22 .Opposite-sex unmarried partner  
23 .Same-sex husband/wife/spouse  
24 .Same-sex unmarried partner  
25 .Biological son or daughter
26 . Adopted son or daughter
27 . Stepson or stepdaughter
28 . Brother or sister
29 . Father or mother
30 . Grandchild
31 . Parent-in-law
32 . Son-in-law or daughter-in-law
33 . Other relative
34 . Roommate or housemate
35 . Foster child
36 . Other nonrelative
37 . Institutionalized group quarters population
38 . Noninstitutionalized group quarters population

RETP Numeric 6
Retirement income past 12 months (use ADJINC to adjust to constant dollars)
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)  
bbbbbbbb .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
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918 .Indian
919 .Cherokee
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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
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131 .Montenegrin
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152 .Serbian
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154 .Slovene
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Guatemalan
Honduran
Nicaraguan
Panamanian
Salvadoran
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Chilean
Colombian
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**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
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<td>2308</td>
<td>Science And Computer Teacher Education</td>
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<td>Teacher Education: Multiple Levels</td>
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57
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
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 .Ecuadorean
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
bbbbc .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-Paper
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
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
6700 .INF-Libraries And Archives
6708 .INF-Other Information Services, Except Libraries And Archives, And Internet Publishing And Broadcasting And Web Search Portals
6720 .FIN-Banking And Related Activities
6722 .FIN-Savings Institutions, Including Credit Unions
6730 .FIN-Nondepository Credit And Related Activities
6740 .FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments
6750 .FIN-Insurance Carriers
6760 .FIN-Agencies, Brokerages, And Other Insurance Related Activities
7010 .FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers
7020 .FIN-Real Estate Property Managers, Offices Of Real Estate Appraisers, And Other Activities Related To Real Estate
7030 .FIN-Automotive Equipment Rental And Leasing
7040 .FIN-Other Consumer Goods Rental
7110 .FIN-Commercial, Industrial, And Other Intangible Assets Rental And Leasing
7200 .PRF-Legal Services
7210 .PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services
7220 .PRF-Architectural, Engineering, And Related Services
7230 .PRF-Specialized Design Services
7240 .PRF-Computer Systems Design And Related Services
7250 .PRF-Management, Scientific, And Technical Consulting Services
7260 .PRF-Scientific Research And Development Services
7270 .PRF-Advertising, Public Relations, And Related Services
7280 .PRF-Veterinary Services
7290 .PRF-Other Professional, Scientific, And Technical Services
7300 .PRF-Management Of Companies And Enterprises
7310 .PRF-Employment Services
7320 .PRF-Business Support Services
7330 .PRF-Travel Arrangements And Reservation Services
7340 .PRF-Investigation And Security Services
7350 .PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)
7360 .PRF-Landscaping Services
7370 .PRF-Other Administrative And Other Support Services
7380 .PRF-Waste Management And Remediation Services
7390 .EDU-Elementary And Secondary Schools
7400 .EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges
7410 .EDU-Business, Technical, And Trade Schools And Training
7420 .EDU-Other Schools And Instruction, And Educational Support Services
7430 .MED-Offices Of Physicians
7440 .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
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<td>Time of arrival at work - hour and minute</td>
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<td>001</td>
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<tr>
<td>148.10:50 p.m. to 10:59 p.m.</td>
</tr>
<tr>
<td>149.11:00 p.m. to 11:29 p.m.</td>
</tr>
<tr>
<td>150.11:30 p.m. to 11:59 p.m.</td>
</tr>
</tbody>
</table>
### LANP Character 4
Language other than English spoken at home

- 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
<table>
<thead>
<tr>
<th>Year</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>1565</td>
<td>Finnish</td>
</tr>
<tr>
<td>1582</td>
<td>Hungarian</td>
</tr>
<tr>
<td>1603</td>
<td>Georgian</td>
</tr>
<tr>
<td>1652</td>
<td>Uzbek</td>
</tr>
<tr>
<td>1675</td>
<td>Turkish</td>
</tr>
<tr>
<td>1690</td>
<td>Mongolian</td>
</tr>
<tr>
<td>1730</td>
<td>Telugu</td>
</tr>
<tr>
<td>1737</td>
<td>Kannada</td>
</tr>
<tr>
<td>1750</td>
<td>Malayalam</td>
</tr>
<tr>
<td>1765</td>
<td>Tamil</td>
</tr>
<tr>
<td>1900</td>
<td>Khmer</td>
</tr>
<tr>
<td>1960</td>
<td>Vietnamese</td>
</tr>
<tr>
<td>1970</td>
<td>Chinese</td>
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<tr>
<td>2000</td>
<td>Mandarin</td>
</tr>
<tr>
<td>2030</td>
<td>Min Nan Chinese</td>
</tr>
<tr>
<td>2050</td>
<td>Cantonese</td>
</tr>
<tr>
<td>2100</td>
<td>Tibetan</td>
</tr>
<tr>
<td>2160</td>
<td>Burmese</td>
</tr>
<tr>
<td>2270</td>
<td>Chin languages</td>
</tr>
<tr>
<td>2350</td>
<td>Karen languages</td>
</tr>
<tr>
<td>2430</td>
<td>Telugu</td>
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<tr>
<td>2475</td>
<td>Thai</td>
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<tr>
<td>2525</td>
<td>Lao</td>
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<td>2535</td>
<td>Iu Mien</td>
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<tr>
<td>2560</td>
<td>Japanese</td>
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<tr>
<td>2575</td>
<td>Korean</td>
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<td>2715</td>
<td>Malay</td>
</tr>
<tr>
<td>2770</td>
<td>Indonesian</td>
</tr>
<tr>
<td>2850</td>
<td>Other languages of Asia</td>
</tr>
<tr>
<td>2910</td>
<td>Filipino</td>
</tr>
<tr>
<td>2920</td>
<td>Tagalog</td>
</tr>
<tr>
<td>2950</td>
<td>Cebuano</td>
</tr>
<tr>
<td>3150</td>
<td>Ilocano</td>
</tr>
<tr>
<td>3190</td>
<td>Other Philippine languages</td>
</tr>
<tr>
<td>3220</td>
<td>Chamorro</td>
</tr>
<tr>
<td>3270</td>
<td>Marshallese</td>
</tr>
<tr>
<td>3350</td>
<td>Chuukese</td>
</tr>
<tr>
<td>3420</td>
<td>Samoan</td>
</tr>
<tr>
<td>3500</td>
<td>Tongan</td>
</tr>
<tr>
<td>3570</td>
<td>Hawaiian</td>
</tr>
<tr>
<td>3600</td>
<td>Other Eastern Malay-Polynesian languages</td>
</tr>
<tr>
<td>4500</td>
<td>Arabic</td>
</tr>
<tr>
<td>4545</td>
<td>Hebrew</td>
</tr>
<tr>
<td>4560</td>
<td>Assyrian Neo-Aramaic</td>
</tr>
<tr>
<td>4565</td>
<td>Chaldean Neo-Aramaic</td>
</tr>
<tr>
<td>4590</td>
<td>Amharic</td>
</tr>
<tr>
<td>4640</td>
<td>Tigrinya</td>
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<tr>
<td>4750</td>
<td>Hausa</td>
</tr>
<tr>
<td>4830</td>
<td>Oromo</td>
</tr>
<tr>
<td>4840</td>
<td>Somali</td>
</tr>
<tr>
<td>4880</td>
<td>Other Afro-Asiatic languages</td>
</tr>
<tr>
<td>4900</td>
<td>Nilo-Saharan languages</td>
</tr>
<tr>
<td>5150</td>
<td>Swahili</td>
</tr>
<tr>
<td>5345</td>
<td>Ganda</td>
</tr>
<tr>
<td>5365</td>
<td>Kinyarwanda</td>
</tr>
<tr>
<td>5525</td>
<td>Shona</td>
</tr>
<tr>
<td>5645</td>
<td>Other Bantu languages</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>00001</td>
<td>Did not live in the United States or in Puerto Rico one year ago</td>
</tr>
<tr>
<td>00002</td>
<td>Lived in Puerto Rico one year ago and current residence is in the U.S.</td>
</tr>
<tr>
<td>00100..70100</td>
<td>Assigned Migration PUMA. Use with MIGSP.</td>
</tr>
</tbody>
</table>

**MIGSP Character 3**
Migration recode - State or foreign country code

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>001</td>
<td>Alabama/AL</td>
</tr>
<tr>
<td>002</td>
<td>Alaska/AK</td>
</tr>
<tr>
<td>004</td>
<td>Arizona/AZ</td>
</tr>
<tr>
<td>005</td>
<td>Arkansas/AR</td>
</tr>
<tr>
<td>006</td>
<td>California/CA</td>
</tr>
<tr>
<td>008</td>
<td>Colorado/CO</td>
</tr>
<tr>
<td>009</td>
<td>Connecticut/CT</td>
</tr>
<tr>
<td>010</td>
<td>Delaware/DE</td>
</tr>
<tr>
<td>011</td>
<td>District of Columbia/DC</td>
</tr>
<tr>
<td>012</td>
<td>Florida/FL</td>
</tr>
<tr>
<td>013</td>
<td>Georgia/GA</td>
</tr>
<tr>
<td>015</td>
<td>Hawaii/HI</td>
</tr>
<tr>
<td>016</td>
<td>Idaho/ID</td>
</tr>
<tr>
<td>017</td>
<td>Illinois/IL</td>
</tr>
<tr>
<td>018</td>
<td>Indiana/IN</td>
</tr>
</tbody>
</table>
019 .Iowa/IA
020 .Kansas/KS
021 .Kentucky/KY
022 .Louisiana/LA
023 .Maine/ME
024 .Maryland/MD
025 .Massachusetts/MA
026 .Michigan/MI
027 .Minnesota/MN
028 .Mississippi/MS
029 .Missouri/MO
030 .Montana/MT
031 .Nebraska/NE
032 .Nevada/NV
033 .New Hampshire/NH
034 .New Jersey/NJ
035 .New Mexico/NM
036 .New York/ny
037 .North Carolina/NC
038 .North Dakota/ND
039 .Ohio/oh
040 .Oklahoma/OK
041 .Oregon/OR
042 .Pennsylvania/PA
044 .Rhode Island/RI
045 .South Carolina/SC
046 .South Dakota/SD
047 .Tennessee/TN
048 .Texas/TX
049 .Utah/UT
050 .Vermont/VT
051 .Virginia/VA
053 .Washington/WA
054 .West Virginia/WV
055 .Wisconsin/WI
056 .Wyoming/WY
072 .Puerto Rico
109 .France
110 .Germany
111 .Northern Europe, Not Specified
113 .Eastern Europe, Not Specified
114 .Western Europe or Other Europe, Not Specified
120 .Italy
134 .Spain
138 .United Kingdom, Excluding England
139 .England
163 .Russia
164 .Ukraine (2017 or later)
200 .Afghanistan
207 .China, Hong Kong, Macau and Paracel Islands
210 .India
213 .Iraq (2016 or earlier)
214 .Israel (2017 or later)
215 .Japan
217 .Korea
229 .Nepal
231 .Pakistan
233 .Philippines
235 .Saudi Arabia
240 .Taiwan
242 .Thailand
243 .Turkey
245 .United Arab Emirates (2017 or later)
247 .Vietnam
251 .Eastern Asia, Not Specified
252 .Western Asia, Not Specified
253 .South Central Asia or Asia, Not Specified
301 .Canada
303 .Mexico
312 .El Salvador
313 .Guatemala
314 .Honduras
317 .Central America, Not Specified
327 .Cuba
329 .Dominican Republic
332 .Haiti
333 .Jamaica
344 .Caribbean and North America, Not Specified
362 .Brazil
364 .Colombia
365 .Ecuador (2017 or later)
370 .Peru (2017 or later)
373 .Venezuela (2017 or later)
374 .South America, Not Specified
414 .Egypt
416 .Ethiopia (2017 or later)
427 .Kenya (2017 or later)
440 .Nigeria
467 .Western Africa, Not Specified
468 .Northern Africa or Other Africa, Not Specified
469 .Eastern Africa, Not Specified
501 .Australia
555 .Other US Island Areas, Oceania, Not Specified, or At Sea

**MSP**

**Character 1**

Married, spouse present/spouse absent

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

**NAICSP**

**Character 8**

North American Industry Classification System (NAICS) recode for 2018 and later based on 2017 NAICS codes

bbbbbbbb .N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
111 .AGR-Crop Production
112 .AGR-Animal Production And Aquaculture
1133 .AGR-Logging
113M .AGR-Forestry Except Logging
114 .AGR-Fishing, Hunting And Trapping
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>115</td>
<td>Support Activities For Agriculture And Forestry</td>
</tr>
<tr>
<td>211</td>
<td>Oil And Gas Extraction</td>
</tr>
<tr>
<td>2121</td>
<td>Coal Mining</td>
</tr>
<tr>
<td>2122</td>
<td>Metal Ore Mining</td>
</tr>
<tr>
<td>2123</td>
<td>Nonmetallic Mineral Mining And Quarrying</td>
</tr>
<tr>
<td>213</td>
<td>Support Activities For Mining</td>
</tr>
<tr>
<td>2211P</td>
<td>Electric Power Generation, Transmission And Distribution</td>
</tr>
<tr>
<td>2212P</td>
<td>Natural Gas Distribution</td>
</tr>
<tr>
<td>2213M</td>
<td>Sewage Treatment Facilities</td>
</tr>
<tr>
<td>2213M</td>
<td>Water, Steam, Air-Conditioning, And Irrigation Systems</td>
</tr>
<tr>
<td>221MP</td>
<td>Electric And Gas, And Other Combinations</td>
</tr>
<tr>
<td>22S</td>
<td>Not Specified Utilities</td>
</tr>
<tr>
<td>23</td>
<td>Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)</td>
</tr>
<tr>
<td>3113</td>
<td>Sugar And Confectionery Products</td>
</tr>
<tr>
<td>3114</td>
<td>Fruit And Vegetable Preserving And Specialty Food</td>
</tr>
<tr>
<td>3115</td>
<td>Dairy Product</td>
</tr>
<tr>
<td>3116</td>
<td>Animal Slaughtering And Processing</td>
</tr>
<tr>
<td>31181</td>
<td>Retail Bakeries</td>
</tr>
<tr>
<td>31182</td>
<td>Bakeries And Tortilla, Except Retail Bakeries</td>
</tr>
<tr>
<td>311M1</td>
<td>Animal Food, Grain And Oilseed Milling</td>
</tr>
<tr>
<td>311M2</td>
<td>Seafood And Other Miscellaneous Foods, N.E.C.</td>
</tr>
<tr>
<td>311S</td>
<td>Not Specified Food Industries</td>
</tr>
<tr>
<td>3121</td>
<td>Beverage</td>
</tr>
<tr>
<td>3122</td>
<td>Tobacco</td>
</tr>
<tr>
<td>3131</td>
<td>Fiber, Yarn, And Thread Mills</td>
</tr>
<tr>
<td>3132Z</td>
<td>Fabric Mills, Except Knitting Mills</td>
</tr>
<tr>
<td>3133</td>
<td>Textile And Fabric Finishing And Fabric Coating Mills</td>
</tr>
<tr>
<td>31411</td>
<td>Carpet And Rug Mills</td>
</tr>
<tr>
<td>3142</td>
<td>Textile Product Mills, Except Carpet And Rug</td>
</tr>
<tr>
<td>315M</td>
<td>Cut And Sew, And Apparel Accessories And Other Apparel</td>
</tr>
<tr>
<td>3162</td>
<td>Footwear</td>
</tr>
<tr>
<td>316M</td>
<td>Leather And Hide Tanning And Finishing, And Other Leather And Allied Product</td>
</tr>
<tr>
<td>31M</td>
<td>Knitting Fabric Mills, And Apparel Knitting Mills</td>
</tr>
<tr>
<td>3211</td>
<td>Sawmills And Wood Preservation</td>
</tr>
<tr>
<td>3212</td>
<td>Veneer, Plywood, And Engineered Wood Products</td>
</tr>
<tr>
<td>32199M</td>
<td>Prefabricated Wood Buildings And Mobile Homes</td>
</tr>
<tr>
<td>3219ZM</td>
<td>Miscellaneous Wood Products</td>
</tr>
<tr>
<td>3221</td>
<td>Pulp, Paper, And Paperboard Mills</td>
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<tr>
<td>32221</td>
<td>Paperboard Container</td>
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<tr>
<td>3222M</td>
<td>Miscellaneous Paper And Pulp Products</td>
</tr>
<tr>
<td>3231</td>
<td>Printing And Related Support Activities</td>
</tr>
<tr>
<td>3241M</td>
<td>Miscellaneous Petroleum And Coal Products</td>
</tr>
<tr>
<td>32411</td>
<td>Petroleum Refining</td>
</tr>
<tr>
<td>3252</td>
<td>Resin, Synthetic Rubber, And Fibers And Filaments</td>
</tr>
<tr>
<td>3253</td>
<td>Agricultural Chemical</td>
</tr>
<tr>
<td>3254</td>
<td>Pharmaceutical And Medicine</td>
</tr>
<tr>
<td>3255</td>
<td>Paint, Coating, And Adhesive</td>
</tr>
<tr>
<td>3256</td>
<td>Soap, Cleaning Compound, And Cosmetics</td>
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<tr>
<td>325M</td>
<td>Industrial And Miscellaneous Chemicals</td>
</tr>
<tr>
<td>3261</td>
<td>Plastics Product</td>
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</tbody>
</table>
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
42392 .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
42492 .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
44412 .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
4462 .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
81112 .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
81211 .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
81392 .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

84
Character 1

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

Character 4

Occupation recode for 2018 and later based on 2018 OCC codes

bbbbb. 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 .Technicians
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
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
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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4850</td>
<td>.SAL-Sales Representatives, Wholesale And Manufacturing</td>
</tr>
<tr>
<td>4900</td>
<td>.SAL-Models, Demonstrators, And Product Promoters</td>
</tr>
<tr>
<td>4920</td>
<td>.SAL-Real Estate Brokers And Sales Agents</td>
</tr>
<tr>
<td>4930</td>
<td>.SAL-Sales Engineers</td>
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<tr>
<td>4940</td>
<td>.SAL-Telemarketers</td>
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<tr>
<td>4950</td>
<td>.SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers</td>
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<tr>
<td>4965</td>
<td>.SAL-Sales And Related Workers, All Other</td>
</tr>
<tr>
<td>5000</td>
<td>.OFF-First-Line Supervisors Of Office And Administrative Support Workers</td>
</tr>
<tr>
<td>5010</td>
<td>.OFF-Switchboard Operators, Including Answering Service</td>
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<tr>
<td>5020</td>
<td>.OFF-Telephone Operators</td>
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<tr>
<td>5040</td>
<td>.OFF-Communications Equipment Operators, All Other</td>
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<tr>
<td>5100</td>
<td>.OFF-Bill And Account Collectors</td>
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<tr>
<td>5110</td>
<td>.OFF-Billing And Posting Clerks</td>
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<tr>
<td>5120</td>
<td>.OFF-Bookkeeping, Accounting, And Auditing Clerks</td>
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<tr>
<td>5140</td>
<td>.OFF-Payroll And Timekeeping Clerks</td>
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<tr>
<td>5150</td>
<td>.OFF-Procurement Clerks</td>
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<tr>
<td>5160</td>
<td>.OFF-Tellers</td>
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<tr>
<td>5165</td>
<td>.OFF-Other Financial Clerks</td>
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<tr>
<td>5220</td>
<td>.OFF-Court, Municipal, And License Clerks</td>
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<tr>
<td>5230</td>
<td>.OFF-Credit Authorizers, Checkers, And Clerks</td>
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<tr>
<td>5240</td>
<td>.OFF-Customer Service Representatives</td>
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<tr>
<td>5250</td>
<td>.OFF-Eligibility Interviewers, Government Programs</td>
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<tr>
<td>5260</td>
<td>.OFF-File Clerks</td>
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<tr>
<td>5300</td>
<td>.OFF-Hotel, Motel, And Resort Desk Clerks</td>
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<tr>
<td>5310</td>
<td>.OFF-Interviewers, Except Eligibility And Loan</td>
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<tr>
<td>5320</td>
<td>.OFF-Library Assistants, Clerical</td>
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<tr>
<td>5330</td>
<td>.OFF-Loan Interviewers And Clerks</td>
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<tr>
<td>5340</td>
<td>.OFF-New Accounts Clerks</td>
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<tr>
<td>5350</td>
<td>.OFF-Correspondence Clerks And Order Clerks</td>
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<tr>
<td>5360</td>
<td>.OFF-Human Resources Assistants, Except Payroll And Timekeeping</td>
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<tr>
<td>5400</td>
<td>.OFF-Receptionists And Information Clerks</td>
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<tr>
<td>5410</td>
<td>.OFF-Reservation And Transportation Ticket Agents And Travel Clerks</td>
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<tr>
<td>5420</td>
<td>.OFF-Other Information And Records Clerks</td>
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<tr>
<td>5500</td>
<td>.OFF-Cargo And Freight Agents</td>
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<tr>
<td>5510</td>
<td>.OFF-Couriers And Messengers</td>
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<tr>
<td>5521</td>
<td>.OFF-Public Safety Telecommunicators</td>
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<tr>
<td>5522</td>
<td>.OFF-Dispatchers, Except Police, Fire, And Ambulance</td>
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<tr>
<td>5530</td>
<td>.OFF-Meter Readers, Utilities</td>
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<tr>
<td>5540</td>
<td>.OFF-Postal Service Clerks</td>
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<tr>
<td>5550</td>
<td>.OFF-Postal Service Mail Carriers</td>
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<tr>
<td>5560</td>
<td>.OFF-Postal Service Mail Sorters, Processors, And Processing Machine Operators</td>
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<tr>
<td>5600</td>
<td>.OFF-Production, Planning, And Expediting Clerks</td>
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<tr>
<td>5610</td>
<td>.OFF-Shipping, Receiving, And Inventory Clerks</td>
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<tr>
<td>5630</td>
<td>.OFF-Weighers, Measurers, Checkers, And Samplers, RecordKeeping</td>
</tr>
<tr>
<td>5710</td>
<td>.OFF-Executive Secretaries And Executive Administrative Assistants</td>
</tr>
<tr>
<td>5720</td>
<td>.OFF-Legal Secretaries and Administrative Assistants</td>
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<tr>
<td>5730</td>
<td>.OFF-Medical Secretaries and Administrative Assistants</td>
</tr>
<tr>
<td>5740</td>
<td>.OFF-Secretaries And Administrative Assistants, Except Legal, Medical, And Executive</td>
</tr>
</tbody>
</table>
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-Roofer
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-Radio And Telecommunications Equipment Installers
7140 .RPR-Aircraft Mechanics And Service Technicians
7150 .RPR-Automotive Body And Related Repairers
7160 .RPR-Automotive Glass Installers And Repairers
7200 .RPR-Other Electrical And Electronic Equipment Mechanics, Installers, And Repairers
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
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
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
950 .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
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-Inspection, 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
95
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 Intericty
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)
PINCP  Numeric 7
Total person's income (signed, use ADJINC to adjust to constant dollars)

POBP  Character 3
Place of birth (Recode)
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
99

313 .Guatemala
314 .Honduras
315 .Nicaragua
316 .Panama
321 .Antigua and Barbuda
323 .Bahamas
324 .Barbados
327 .Cuba
328 .Dominica
329 .Dominican Republic
330 .Grenada
332 .Haiti
333 .Jamaica
338 .St. Kitts-Nevis (2017 or later)
339 .St. Lucia
340 .St. Vincent and the Grenadines
341 .Trinidad and Tobago
343 .West Indies
344 .Caribbean, Not Specified
360 .Argentina
361 .Bolivia
362 .Brazil
363 .Chile
364 .Colombia
365 .Ecuador
368 .Guyana
369 .Paraguay
370 .Peru
372 .Uruguay
373 .Venezuela
374 .South America
399 .Americas, Not Specified
400 .Algeria
407 .Cameroon
408 .Cabo Verde
412 .Congo
414 .Egypt
416 .Ethiopia
417 .Eritrea
420 .Gambia
421 .Ghana
423 .Guinea
425 .Ivory Coast (2017 or later)
427 .Kenya
429 .Liberia
430 .Libya
436 .Morocco
440 .Nigeria
442 .Rwanda (2017 or later)
444 .Senegal
447 .Sierra Leone
448 .Somalia
449 .South Africa
451 .Sudan
453 .Tanzania
454 .Togo
456 .Tunisia (2017 or later)
457. Uganda
459. Democratic Republic of Congo (Zaire)
460. Zambia
461. Zimbabwe
462. Africa
463. South Sudan (2017 or later)
464. Northern Africa, Not Specified
467. Western Africa, Not Specified
468. Other Africa, Not Specified
469. Eastern Africa, Not Specified
501. Australia
508. Fiji
511. Marshall Islands
512. Micronesia
515. New Zealand
523. Tonga
527. Samoa
554. Other US Island Areas, Oceania, Not Specified, or at Sea

POVPIP Numeric  3
Income-to-poverty ratio recode
bbb .N/A (individuals who are under 15 and are either living
  .in a housing unit but are unrelated to the householder
  .or are living in select group quarters)
0..500 .Below 501 percent
501 .501 percent or more

POWPUMA Character  5
Place of work PUMA based on 2010 Census definitions
bbbbb .N/A (not a worker-not in the labor force, including
  .persons under 16 years; unemployed; civilian
  .employed, with a job not at work; Armed Forces,
  .with a job but not at work)
00001 .Did not work in the United States or in Puerto Rico
00100..70100 .Assigned Place of work PUMA. Use with POWSP.

POWSP Character  3
Place of work - State or foreign country recode
bbb .N/A (not a worker-not in the labor force, including persons
  .under 16 years; unemployed; employed, with a job not at
  .work; Armed Forces, with a job but not at work)
001 .Alabama/AL
002 .Alaska/AK
004 .Arizona/AZ
005 .Arkansas/AR
006 .California/CA
008 .Colorado/QO
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/IOH
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**

<table>
<thead>
<tr>
<th>Character</th>
<th>Recoded detailed race code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White alone</td>
</tr>
<tr>
<td>2</td>
<td>Black or African American alone</td>
</tr>
<tr>
<td>3</td>
<td>American Indian alone</td>
</tr>
<tr>
<td>4</td>
<td>Alaska Native alone</td>
</tr>
<tr>
<td>5</td>
<td>American Indian and Alaska Native tribes specified; or American Indian or Alaska Native, not specified and no other races</td>
</tr>
<tr>
<td>6</td>
<td>Asian alone</td>
</tr>
<tr>
<td>7</td>
<td>Native Hawaiian and Other Pacific Islander alone</td>
</tr>
<tr>
<td>8</td>
<td>Some Other Race alone</td>
</tr>
<tr>
<td>9</td>
<td>Two or More Races</td>
</tr>
</tbody>
</table>

**RAC2P**

<table>
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<tr>
<th>Character</th>
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<td>Black or African American alone</td>
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<td>03</td>
<td>Apache alone</td>
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<td>04</td>
<td>Blackfeet alone</td>
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<td>05</td>
<td>Cherokee alone</td>
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<tr>
<td>06</td>
<td>Cheyenne alone</td>
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<tr>
<td>07</td>
<td>Chickasaw alone</td>
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<td>08</td>
<td>Chippewa alone</td>
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<td>09</td>
<td>Choctaw alone</td>
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<tr>
<td>10</td>
<td>Comanche alone</td>
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<td>11</td>
<td>Creek alone</td>
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<td>12</td>
<td>Crow alone</td>
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<td>13</td>
<td>Hopi alone</td>
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<tr>
<td>14</td>
<td>Iroquois alone</td>
</tr>
<tr>
<td>15</td>
<td>Lumbee alone</td>
</tr>
<tr>
<td>16</td>
<td>Mexican American Indian alone</td>
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<tr>
<td>17</td>
<td>Navajo alone</td>
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<tr>
<td>18</td>
<td>Pima alone</td>
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<td>19</td>
<td>Potawatomi alone</td>
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<tr>
<td>20</td>
<td>Pueblo alone</td>
</tr>
<tr>
<td>21</td>
<td>Puget Sound Salish alone</td>
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<td>22</td>
<td>Seminole alone</td>
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<td>23</td>
<td>Sioux alone</td>
</tr>
<tr>
<td>24</td>
<td>South American Indian alone</td>
</tr>
<tr>
<td>25</td>
<td>Tohono O'Odham alone</td>
</tr>
<tr>
<td>26</td>
<td>Yaqui alone</td>
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<td>27</td>
<td>Other specified American Indian tribes alone</td>
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<tr>
<td>28</td>
<td>All other specified American Indian tribe combinations</td>
</tr>
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<td>29</td>
<td>American Indian, tribe not specified</td>
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<td>30</td>
<td>Alaskan Athabascan alone</td>
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<td>31</td>
<td>Tlingit-Haida alone</td>
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<tr>
<td>32</td>
<td>Inupiat alone</td>
</tr>
<tr>
<td>33</td>
<td>Yup'ik alone</td>
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<tr>
<td>34</td>
<td>Aleut alone</td>
</tr>
<tr>
<td>35</td>
<td>Other Alaska Native</td>
</tr>
<tr>
<td>36</td>
<td>Other American Indian and Alaska Native specified</td>
</tr>
</tbody>
</table>
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
<table>
<thead>
<tr>
<th>Code</th>
<th>Race Combination</th>
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<tbody>
<tr>
<td>023</td>
<td>White; Vietnamese</td>
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<tr>
<td>024</td>
<td>White; Other Asian</td>
</tr>
<tr>
<td>025</td>
<td>White; Native Hawaiian</td>
</tr>
<tr>
<td>026</td>
<td>White; Chamorro</td>
</tr>
<tr>
<td>027</td>
<td>White; Samoan</td>
</tr>
<tr>
<td>028</td>
<td>White; Other Pacific Islander</td>
</tr>
<tr>
<td>029</td>
<td>White; Some Other Race</td>
</tr>
<tr>
<td>030</td>
<td>Black or African American; American Indian and Alaska Native</td>
</tr>
<tr>
<td>031</td>
<td>Black or African American; Asian Indian</td>
</tr>
<tr>
<td>032</td>
<td>Black or African American; Chinese</td>
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<tr>
<td>033</td>
<td>Black or African American; Filipino</td>
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<tr>
<td>034</td>
<td>Black or African American; Japanese</td>
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<td>035</td>
<td>Black or African American; Korean</td>
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<tr>
<td>036</td>
<td>Black or African American; Other Asian</td>
</tr>
<tr>
<td>037</td>
<td>Black or African American; Other Pacific Islander</td>
</tr>
<tr>
<td>038</td>
<td>Black or African American; Some Other Race</td>
</tr>
<tr>
<td>039</td>
<td>American Indian and Alaska Native; Asian Indian</td>
</tr>
<tr>
<td>040</td>
<td>American Indian and Alaska Native; Filipino</td>
</tr>
<tr>
<td>041</td>
<td>American Indian and Alaska Native; Some Other Race</td>
</tr>
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<td>042</td>
<td>Asian Indian; Other Asian</td>
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<td>043</td>
<td>Asian Indian; Some Other Race</td>
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<td>Chinese; Filipino</td>
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<td>Chinese; Japanese</td>
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<td>046</td>
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<td>049</td>
<td>Chinese; Native Hawaiian</td>
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<td>050</td>
<td>Filipino; Japanese</td>
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<tr>
<td>051</td>
<td>Filipino; Native Hawaiian</td>
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<td>052</td>
<td>Filipino; Other Pacific Islander</td>
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<td>Filipino; Some Other Race</td>
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<td>Japanese; Korean</td>
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<tr>
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<td>058</td>
<td>Other Asian; Some Other Race</td>
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<td>059</td>
<td>Other Pacific Islander; Some Other Race</td>
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<tr>
<td>060</td>
<td>White; Black or African American; American Indian and Alaska Native</td>
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<td>White; Black or African American; Filipino</td>
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<td>062</td>
<td>White; Black or African American; Some Other Race</td>
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<td>063</td>
<td>White; American Indian and Alaska Native; Filipino</td>
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<tr>
<td>064</td>
<td>White; American Indian and Alaska Native; Some Other Race</td>
</tr>
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<td>065</td>
<td>White; Chinese; Filipino</td>
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<td>066</td>
<td>White; Chinese; Japanese</td>
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<td>067</td>
<td>White; Chinese; Native Hawaiian</td>
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<td>068</td>
<td>White; Filipino; Native Hawaiian</td>
</tr>
<tr>
<td>069</td>
<td>White; Japanese; Native Hawaiian</td>
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<td>070</td>
<td>White; Other Asian; Some Other Race</td>
</tr>
<tr>
<td>071</td>
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<td>072</td>
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<td>073</td>
<td>White; Chinese; Japanese; Native Hawaiian</td>
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<td>074</td>
<td>Black or African American; Asian groups</td>
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<td>075</td>
<td>Black or African American; Native Hawaiian and Other Pacific Islander groups</td>
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<td>076</td>
<td>Asian Indian; Asian groups</td>
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<tr>
<td>077</td>
<td>Filipino; Asian groups</td>
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</table>
105

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
<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
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<tbody>
<tr>
<td>RACAIAN</td>
<td>American Indian and Alaska Native recode (American Indian and Alaska Native</td>
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<td></td>
<td>alone or in combination with one or more other races)</td>
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<tr>
<td></td>
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<td>1 .Yes</td>
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<tr>
<td>RACASN</td>
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<td>1 .Yes</td>
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<td>more other races)</td>
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<td></td>
<td>more other races)</td>
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<td>1 .Yes</td>
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<td>RACNUM</td>
<td>Number of major race groups represented</td>
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<td>RACPI</td>
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<td>with one or more other races)</td>
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<td>more other races)</td>
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<td>1 .Yes</td>
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<td>1 .Yes</td>
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<td>RC</td>
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<tr>
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<td>b .N/A (in GQ for 2017 and later)</td>
</tr>
<tr>
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<td>0 .No and GQ records for 2016 and earlier</td>
</tr>
<tr>
<td></td>
<td>1 .Yes</td>
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<tr>
<td>SCIENCEP</td>
<td>Field of degree science and engineering flag - NSF definition</td>
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<tr>
<td></td>
<td>b .N/A (less than a bachelor's degree)</td>
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<td></td>
<td>1 .Yes</td>
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</table>
2. No

**SCIENGRLP Character 1**
Field of degree science and engineering related flag - NSF definition
b. N/A (less than a bachelor's degree)
1. Yes
2. No

**SFN Character 1**
Subfamily number
b. N/A (GQ/not in a subfamily)
1. In subfamily 1
2. In subfamily 2
3. In subfamily 3
4. In subfamily 4

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

**SOCP Character 6**
Standard Occupational Classification (SOC) codes for 2018 and later based on 2018 SOC codes
bbbbbb. N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
1110XX. MGR-Chief Executives And Legislators
111021. MGR-General And Operations Managers
112011. MGR-Advertising And Promotions Managers
112021. MGR-Marketing Managers
112022. MGR-Sales Managers
112030. MGR-Public Relations And Fundraising Managers
113012. MGR-Administrative Services Managers
113013. MGR-Facilities Managers
113021. MGR-Computer And Information Systems Managers
113031. MGR-Financial Managers
113111. MGR-Compensation And Benefits Managers
113121. MGR-Human Resources Managers
113131. MGR-Training And Development Managers
113051. MGR-Industrial Production Managers
113061. MGR-Purchasing Managers
113071. MGR-Transportation, Storage, And Distribution Managers
119013. MGR-Farmers, Ranchers, And Other Agricultural Managers
119021. MGR-Construction Managers
119030. MGR-Education And Childcare Administrators
119041. MGR-Architectural And Engineering Managers
119051. MGR-Food Service Managers
119070. MGR-Entertainment And Recreation Managers
119081. MGR-Lodging Managers
119111. MGR-Medical And Health Services Managers
119121. MGR-Natural Sciences Managers

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<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>1720XX</td>
<td>ENG-Biomedical And Agricultural Engineers</td>
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<tr>
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<td>172061</td>
<td>ENG-Computer Hardware Engineers</td>
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<td>ENG-Electrical And Electronics Engineers</td>
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<td>ENG-Environmental Engineers</td>
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<tr>
<td>17210</td>
<td>ENG-Industrial Engineers, Including Health And Safety</td>
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<tr>
<td>172121</td>
<td>ENG-Marine Engineers And Naval Architects</td>
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<tr>
<td>172131</td>
<td>ENG-Materials Engineers</td>
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<td>172141</td>
<td>ENG-Mechanical Engineers</td>
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<tr>
<td>1721XX</td>
<td>ENG-Petroleum, Mining And Geological Engineers, Including Mining Safety Engineers</td>
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<tr>
<td>1721YY</td>
<td>ENG-Other Engineers</td>
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<tr>
<td>173011</td>
<td>ENG-Architectural And Civil Drafters</td>
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<td>17301X</td>
<td>ENG-Other Drafters</td>
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<td>173023</td>
<td>ENG-Electrical and Electronic Engineering Technologists And Technicians</td>
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<tr>
<td>17302X</td>
<td>ENG-Other Engineering Technologists And Technicians, Except Drafters</td>
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<td>173031</td>
<td>ENG-Surveying And Mapping Technicians</td>
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<tr>
<td>191010</td>
<td>SCI-Agricultural And Food Scientists</td>
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<tr>
<td>191020</td>
<td>SCI-Biological Scientists</td>
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<tr>
<td>191030</td>
<td>SCI-Conservation Scientists And Foresters</td>
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<tr>
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<td>SCI-Other Life Scientists</td>
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<td>192010</td>
<td>SCI-Astronomers And Physicists</td>
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<tr>
<td>192021</td>
<td>SCI-Atmospheric And Space Scientists</td>
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<td>192030</td>
<td>SCI-Chemists And Materials Scientists</td>
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<td>SCI-Environmental Scientists And Specialists, Including Health</td>
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<td>19204X</td>
<td>SCI-Geoscientists And Hydrologists, Except Geographers</td>
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<td>SCI-Physical Scientists, All Other</td>
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<td>193011</td>
<td>SCI-Economists</td>
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<td>193033</td>
<td>SCI-Clinical And Counseling Psychologists</td>
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<td>193051</td>
<td>SCI-Urban And Regional Planners</td>
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<td>SCI-Other Social Scientists</td>
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<td>SCI-Biological Technicians</td>
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<td>SCI-Chemical Technicians</td>
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<td>1940XX</td>
<td>SCI-Environmental Science And Geoscience Technicians, And Nuclear Technicians</td>
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<td>1940YY</td>
<td>SCI-Other Life, Physical, And Social Science Technicians</td>
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<td>195010</td>
<td>SCI-Occupational Health And Safety Specialists And Technicians</td>
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<tr>
<td>211011</td>
<td>CMS-Substance Abuse And Behavioral Disorder Counselors</td>
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<td>CMS-Educational, Guidance, And Career Counselors And Advisors</td>
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<td>CMS-Marriage And Family Therapists</td>
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<td>CMS-Mental Health Counselors</td>
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<td>211015</td>
<td>CMS-Rehabilitation Counselors</td>
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<td>211019</td>
<td>CMS-Counselors, All Other</td>
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<tr>
<td>211021</td>
<td>CMS-Child, Family, And School Social Workers</td>
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<td>211022</td>
<td>CMS-Healthcare Social Workers</td>
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<td>211023</td>
<td>CMS-Mental Health And Substance Abuse Social Workers</td>
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<td>211029</td>
<td>CMS-Social Workers, All Other</td>
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<tr>
<td>319096</td>
<td>HLS-Veterinary Assistants And Laboratory Animal Caretakers</td>
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<td>HLS-Phlebotomists</td>
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<td>31909X</td>
<td>HLS-Other Healthcare Support Workers</td>
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<tr>
<td>331011</td>
<td>PRT-First-Line Supervisors Of Correctional Officers</td>
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<tr>
<td>331012</td>
<td>PRT-First-Line Supervisors Of Police And Detectives</td>
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<td>331021</td>
<td>PRT-First-Line Supervisors Of Firefighting And Prevention Workers</td>
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<td>331090</td>
<td>PRT-Miscellaneous First-Line Supervisors, Protective Service Workers</td>
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<tr>
<td>332011</td>
<td>PRT-Firefighters</td>
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<td>PRT-Fire Inspectors</td>
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<td>333011</td>
<td>PRT-Bailiffs</td>
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<td>333012</td>
<td>PRT-Correctional Officers And Jailers</td>
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<tr>
<td>333021</td>
<td>PRT-Detectives And Criminal Investigators</td>
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<tr>
<td>3330XX</td>
<td>PRT-Fish And Game Wardens And Parking Enforcement Officers</td>
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<td>PRT-Police Officers</td>
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<tr>
<td>339011</td>
<td>PRT-Animal Control Workers</td>
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<td>339021</td>
<td>PRT-Private Detectives And Investigators</td>
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<tr>
<td>339030</td>
<td>PRT-Security Guards And Gambling Surveillance Officers</td>
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<td>339091</td>
<td>PRT-Crossing Guards And Flaggers</td>
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<td>339093</td>
<td>PRT-Transportation Security Screeners</td>
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<td>PRT-School Bus Monitors</td>
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<td>PRT-Other Protective Service Workers</td>
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<tr>
<td>351011</td>
<td>EAT-Chefs And Head Cooks</td>
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<td>EAT-First-Line Supervisors Of Food Preparation And Serving Workers</td>
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<td>EAT-Cooks</td>
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<td>352021</td>
<td>EAT-Food Preparation Workers</td>
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<td>353011</td>
<td>EAT-Bartenders</td>
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<td>EAT-Fast Food And Counter Workers</td>
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<td>EAT-Waiters And Waitresses</td>
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<td>EAT-Food Servers, Nonrestaurant</td>
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<td>EAT-Dining Room And Cafeteria Attendants And Bartender Helpers</td>
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<td>EAT-Dishwashers</td>
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<td>EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee Shop</td>
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<td>EAT-Food Preparation And Serving Related Workers, All Other</td>
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<td>371011</td>
<td>CLN-First-Line Supervisors Of Housekeeping And Janitorial Workers</td>
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<td>CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers</td>
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<td>CLN-Janitors And Building Cleaners</td>
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<td>CLN-Maids And Housekeeping Cleaners</td>
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<td>CLN-Pest Control Workers</td>
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<td>373011</td>
<td>CLN-Landscaping And Groundskeeping Workers</td>
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<td>373013</td>
<td>CLN-Tree Trimmers And Pruners</td>
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<td>CLN-Other Grounds Maintenance Workers</td>
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<td>PRS-Supervisors of Personal Care And Service Workers</td>
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<td>PRS-Gambling Services Workers</td>
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<td>PRS-Ushers, Lobby Attendants, And Ticket Takers</td>
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<td>PRS-Other Entertainment Attendants And Related Workers</td>
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<td>394031</td>
<td>.PRS-Morticians, Undertakers, And Funeral Arrangers</td>
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<td>.PRS-Embalmers, Crematory Operators And Funeral Attendants</td>
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<td>.PRS-Barbers</td>
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<td>.PRS-Hairdressers, Hairstylists, And Cosmetologists</td>
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<td>.PRS-Manicurists and Pedicurists</td>
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<td>.PRS-Skincare Specialists</td>
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<td>.PRS-Other Personal Appearance Workers</td>
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<td>396010</td>
<td>.PRS-Baggage Porters, Bellhops, And Concierges</td>
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<td>397010</td>
<td>.PRS-Tour And Travel Guides</td>
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<td>.PRS-Childcare Workers</td>
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<td>.PRS-Exercise Trainers And Group Fitness Instructors</td>
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<td>.PRS-Recreation Workers</td>
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<td>399041</td>
<td>.PRS-Residential Advisors</td>
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<td>.PRS-Personal Care And Service Workers, All Other</td>
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<td>.SAL-First-Line Supervisors Of Retail Sales Workers</td>
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<td>.SAL-Counter And Rental Clerks</td>
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<td>.SAL-Retail Salespersons</td>
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<td>.SAL-Advertising Sales Agents</td>
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<td>.SAL-Insurance Sales Agents</td>
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<td>.SAL-Securities, Commodities, And Financial Services Sales Agents</td>
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<td>.SAL-Sales Representatives Of Services, Except .Advertising, Insurance, Financial Services, And Travel</td>
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<td>.SAL-Sales Representatives, Wholesale And Manufacturing</td>
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<td>.SAL-Models, Demonstrators, And Product Promoters</td>
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<td>.SAL-Real Estate Brokers And Sales Agents</td>
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<td>419091</td>
<td>.SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers</td>
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<td>.OFF-Telephone Operators</td>
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<td>.OFF-Communications Equipment Operators, All Other</td>
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<td>.OFF-Billing And Posting Clerks</td>
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<td>.OFF-Bookkeeping, Accounting, And Auditing Clerks</td>
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<td>.OFF-Payroll And Timekeeping Clerks</td>
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<td>.OFF-Procurement Clerks</td>
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<td>.OFF-Tellers</td>
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<td>.OFF-Court, Municipal, And License Clerks</td>
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<td>.OFF-Credit Authorizers, Checkers, And Clerks</td>
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<td>.OFF-Customer Service Representatives</td>
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<td>.OFF-Eligibility Interviewers, Government Programs</td>
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<td>.OFF-File Clerks</td>
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<td>.OFF-Hotel, Motel, And Resort Desk Clerks</td>
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<td>.OFF-Interviewers, Except Eligibility And Loan</td>
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<td>.OFF-Library Assistants, Clerical</td>
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<td>.OFF-Loan Interviewers And Clerks</td>
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<td>.OFF-New Accounts Clerks</td>
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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-Carpenters, 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
474XXX .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

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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-Soap 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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>517042</td>
<td>Woodworking Machine Setters, Operators, And Tenders, Except Sawing</td>
</tr>
<tr>
<td>5170XX</td>
<td>Other Woodworkers</td>
</tr>
<tr>
<td>518010</td>
<td>Power Plant Operators, Distributors, And Dispatchers</td>
</tr>
<tr>
<td>518021</td>
<td>Stationary Engineers And Boiler Operators</td>
</tr>
<tr>
<td>518031</td>
<td>Water And Wastewater Treatment Plant And System Operators</td>
</tr>
<tr>
<td>518090</td>
<td>Miscellaneous Plant And System Operators</td>
</tr>
<tr>
<td>519010</td>
<td>Chemical Processing Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>519020</td>
<td>Crushing, Grinding, Polishing, Mixing, And Blending Workers</td>
</tr>
<tr>
<td>519030</td>
<td>Cutting Workers</td>
</tr>
<tr>
<td>519041</td>
<td>Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>519051</td>
<td>Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders</td>
</tr>
<tr>
<td>519061</td>
<td>Inspectors, Testers, Sorters, Samplers, And Weighers</td>
</tr>
<tr>
<td>519071</td>
<td>Jewelers And Precious Stone And Metal Workers</td>
</tr>
<tr>
<td>519080</td>
<td>Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians</td>
</tr>
<tr>
<td>519111</td>
<td>Packaging And Filling Machine Operators And Tenders</td>
</tr>
<tr>
<td>519120</td>
<td>Painting Workers</td>
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<tr>
<td>519151</td>
<td>Photographic Process Workers And Processing Machine Operators</td>
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<tr>
<td>519191</td>
<td>Adhesive Bonding Machine Operators And Tenders</td>
</tr>
<tr>
<td>519194</td>
<td>Etchers And Engravers</td>
</tr>
<tr>
<td>519195</td>
<td>Molders, Shapers, And Casters, Except Metal And Plastic</td>
</tr>
<tr>
<td>519196</td>
<td>Paper Goods Machine Setters, Operators, And Tenders</td>
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<tr>
<td>519197</td>
<td>Tire Builders</td>
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<tr>
<td>519198</td>
<td>Helpers--Production Workers</td>
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<tr>
<td>5191XX</td>
<td>Miscellaneous Production Workers, Including Equipment Operators And Tenders</td>
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<tr>
<td>531000</td>
<td>Supervisors Of Transportation And Material Moving Workers</td>
</tr>
<tr>
<td>532010</td>
<td>Aircraft Pilots And Flight Engineers</td>
</tr>
<tr>
<td>532020</td>
<td>Air Traffic Controllers And Airfield Operations Specialists</td>
</tr>
<tr>
<td>532031</td>
<td>Flight Attendants</td>
</tr>
<tr>
<td>533011</td>
<td>Ambulance Drivers And Attendants, Except Emergency Medical Technicians</td>
</tr>
<tr>
<td>533051</td>
<td>Bus Drivers, School</td>
</tr>
<tr>
<td>533052</td>
<td>Bus Drivers, Transit And Intercity</td>
</tr>
<tr>
<td>533030</td>
<td>Driver/Sales Workers And Truck Drivers</td>
</tr>
<tr>
<td>533053</td>
<td>Shuttle Drivers and Chauffeurs</td>
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<tr>
<td>533054</td>
<td>Taxi Drivers</td>
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<tr>
<td>533099</td>
<td>Motor Vehicle Operators, All Other</td>
</tr>
<tr>
<td>534010</td>
<td>Locomotive Engineers And Operators</td>
</tr>
<tr>
<td>534031</td>
<td>Railroad Conductors And Yardmasters</td>
</tr>
<tr>
<td>5340XX</td>
<td>Other Rail Transportation Workers</td>
</tr>
<tr>
<td>5350XX</td>
<td>Sailors And Marine Oilers, And Ship Engineers</td>
</tr>
<tr>
<td>535020</td>
<td>Ship And Boat Captains And Operators</td>
</tr>
<tr>
<td>536021</td>
<td>Parking Attendants</td>
</tr>
<tr>
<td>536030</td>
<td>Transportation Service Attendants</td>
</tr>
<tr>
<td>536051</td>
<td>Transportation Inspectors</td>
</tr>
<tr>
<td>536061</td>
<td>Passenger Attendants</td>
</tr>
</tbody>
</table>
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
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

FDDRSP  Character  1
Self-care difficulty allocation flag
0 .No
1 .Yes

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

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

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

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

FDPHYP  Character  1
Ambulatory difficulty allocation flag
0 .No
1 .Yes
FDRATP  Character  1  
Disability rating percentage allocation flag  
0 .No  
1 .Yes

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

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

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

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

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

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

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

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

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

FHICOVP  Character  1  
Health insurance coverage recode allocation flag  
0 .No  
1 .Yes
FHINS1P Character 1
Insurance through a current or former employer or union allocation flag
  0 .No
  1 .Yes

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

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

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

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

FHINS4P Character 1
Medicaid, medical assistance, or any kind of government-assistance plan
for people with low incomes or a disability allocation flag
  0 .No
  1 .Yes

FHINS5C Character 1
TRICARE coverage given through the eligibility coverage edit
  b .Does not have TRICARE coverage (HINS5=2)
  0 .No
  1 .Yes

FHINS5P Character 1
TRICARE or other military health care allocation flag
  0 .No
  1 .Yes

FHINS6P Character 1
VA (Health Insurance through VA Health Care) allocation flag
  0 .No
  1 .Yes

FHINS7P Character 1
Indian health service allocation flag
  0 .No
  1 .Yes
FHISP  Character  1  
Detailed Hispanic origin allocation flag  
  0 .No  
  1 .Yes

FINDP  Character  1  
Industry allocation flag  
  0 .No  
  1 .Yes

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

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

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

FJWRIP  Character  1  
Vehicle occupancy allocation flag  
  0 .No  
  1 .Yes

FJWTRNSP  Character  1  
Means of transportation to work allocation flag  
  0 .No  
  1 .Yes

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

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

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

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

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

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

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

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

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

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

FMILSP Character 1
Military service allocation flag
0 .No
1 .Yes

FOCCP Character 1
Occupation allocation flag
0 .No
1 .Yes

FOIP Character 1
All other income allocation flag
0 .No
1 .Yes

FPAP Character 1
Public assistance income allocation flag
0 .No
1 .Yes
FPERNP  Character  1
      Total person's earnings allocation flag
      0  .No
      1  .Yes

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

FPOBP   Character  1
      Place of birth allocation flag
      0  .No
      1  .Yes

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

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

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

FRACP    Character  1
      Detailed race allocation flag
      0  .No
      1  .Yes

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

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

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

FSCHLP   Character  1
      Highest education allocation flag
      0  .No
      1  .Yes
FSCHP  Character  1
School enrollment allocation flag
  0 .No
  1 .Yes

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

FSEX P  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

FWKW P  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
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<thead>
<tr>
<th>Variable</th>
<th>Type</th>
<th>Description</th>
<th>Range</th>
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<tbody>
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<td>Numeric</td>
<td>Person Weight replicate 13</td>
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<td>PWGTP14</td>
<td>Numeric</td>
<td>Person Weight replicate 14</td>
<td>-9999..9999</td>
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<tr>
<td>PWGTP15</td>
<td>Numeric</td>
<td>Person Weight replicate 15</td>
<td>-9999..9999</td>
</tr>
<tr>
<td>PWGTP16</td>
<td>Numeric</td>
<td>Person Weight replicate 16</td>
<td>-9999..9999</td>
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<tr>
<td>PWGTP17</td>
<td>Numeric</td>
<td>Person Weight replicate 17</td>
<td>-9999..9999</td>
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<tr>
<td>PWGTP18</td>
<td>Numeric</td>
<td>Person Weight replicate 18</td>
<td>-9999..9999</td>
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<td>PWGTP19</td>
<td>Numeric</td>
<td>Person Weight replicate 19</td>
<td>-9999..9999</td>
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<td>PWGTP20</td>
<td>Numeric</td>
<td>Person Weight replicate 20</td>
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<td>PWGTP21</td>
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<td>Person Weight replicate 21</td>
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<td>PWGTP22</td>
<td>Numeric</td>
<td>Person Weight replicate 22</td>
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<td>PWGTP23</td>
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<td>Person Weight replicate 23</td>
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<td>PWGTP25</td>
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<td>Person Weight replicate 25</td>
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<tr>
<td>PWGTP26</td>
<td>Numeric</td>
<td>Person Weight replicate 26</td>
<td>-9999..9999</td>
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</table>
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
<table>
<thead>
<tr>
<th>PWGTP41</th>
<th>Numeric 5</th>
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<tbody>
<tr>
<td>Person Weight replicate 41</td>
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<tr>
<td>-9999..9999 .Integer weight of person</td>
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<th>PWGTP42</th>
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<td>Person Weight replicate 42</td>
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<tr>
<td>-9999..9999 .Integer weight of person</td>
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<th>PWGTP43</th>
<th>Numeric 5</th>
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<td>Person Weight replicate 43</td>
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<td>-9999..9999 .Integer weight of person</td>
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<th>PWGTP44</th>
<th>Numeric 5</th>
</tr>
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<tbody>
<tr>
<td>Person Weight replicate 44</td>
<td></td>
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<tr>
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<th>Numeric 5</th>
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<tr>
<td>Person Weight replicate 45</td>
<td></td>
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<tr>
<th>PWGTP46</th>
<th>Numeric 5</th>
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<tr>
<td>Person Weight replicate 46</td>
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<td>Person Weight replicate 47</td>
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<td>-9999..9999 .Integer weight of person</td>
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<tr>
<th>PWGTP48</th>
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<td>Person Weight replicate 48</td>
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<tr>
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<tbody>
<tr>
<td>Person Weight replicate 49</td>
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<tbody>
<tr>
<td>Person Weight replicate 50</td>
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<th>PWGTP51</th>
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<td>Person Weight replicate 51</td>
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Person Weight replicate 55
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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
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