HOUSING RECORD

HOUSING RECORD—BASIC VARIABLES

RT Character 1
Record Type
H . Housing Record or Group Quarters Unit
P . Person Record

SERIALNO Character 13
Housing unit/GQ person serial number
2017000000001..2017999999999 . Unique identifier (2017 and earlier)
2018GQ0000001..2021GQ9999999 . GQ Unique identifier (2018 and later)
2018HU0000001..2021HU9999999 . HU Unique identifier (2018 and later)

DIVISION Character 1
Division code based on 2010 Census definitions
0 . Puerto Rico
1 . New England (Northeast region)
2 . Middle Atlantic (Northeast region)
3 . East North Central (Midwest region)
4 . West North Central (Midwest region)
5 . South Atlantic (South region)
6 . East South Central (South region)
7 . West South Central (South Region)
8 . Mountain (West region)
9 . Pacific (West region)

PUMA Character 5
Public use microdata area code (PUMA) based on 2010 Census definition (areas with population of 100,000 or more, use with ST for unique code)
00100..70301 . Public use microdata area codes

REGION Character 1
Region code based on 2010 Census definitions
1 . Northeast
2 . Midwest
3 . South
4 . West
9 . Puerto Rico

ST Character 2
State code based on 2010 Census definitions
01 . Alabama/AL
02 . Alaska/AK
04 . Arizona/AZ
05 .Arkansas/AR
06 .California/CA
08 .Colorado/CO
09 .Connecticut/CT
10 .Delaware/DE
11 .District of Columbia/DC
12 .Florida/FL
13 .Georgia/GA
15 .Hawaii/HI
16 .Idaho/ID
17 .Illinois/IL
18 .Indiana/IN
19 .Iowa/IA
20 .Kansas/KS
21 .Kentucky/KY
22 .Louisiana/LA
23 .Maine/ME
24 .Maryland/MD
25 .Massachusetts/MA
26 .Michigan/MI
27 .Minnesota/MN
28 .Mississippi/MS
29 .Missouri/MO
30 .Montana/MT
31 .Nebraska/NE
32 .Nevada/NV
33 .New Hampshire/NH
34 .New Jersey/NJ
35 .New Mexico/NM
36 .New York/NY
37 .North Carolina/NC
38 .North Dakota/ND
39 .Ohio/OH
40 .Oklahoma/OK
41 .Oregon/OR
42 .Pennsylvania/PA
44 .Rhode Island/RI
45 .South Carolina/SC
46 .South Dakota/SD
47 .Tennessee/TN
48 .Texas/TX
49 .Utah/UT
50 .Vermont/VT
51 .Virginia/VA
53 .Washington/WA
54 .West Virginia/WV
55 .Wisconsin/WI
56 .Wyoming/WY
72 .Puerto Rico/PR

ADJHSG Character 7
Adjustment factor for housing dollar amounts (6 implied decimal places)
1105263 .2017 factor
1078962 .2018 factor
1059761 .2019 factor
1046695 .2020 factor
1000000 .2021 factor
ADJINC  Character  7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)
1117630 .2017 factor (1.011189 * 1.10526316)
1093093 .2018 factor (1.013097 * 1.07896160)
1070512 .2019 factor (1.010145 * 1.05976096)
1053131 .2020 factor (1.006149 * 1.04669465)
1029928 .2021 factor (1.029928 * 1.00000000)

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

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

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

HOUSING RECORD-HOUSING UNIT VARIABLES

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

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

AGS  Character  1
Sales of agriculture products (yearly sales, no adjustment factor is applied)
b .N/A (GQ/vacant/not a one-family house or mobile home/less than 1 acre)
1 .None
2 .$ 1 - $ 999
3 .$ 1000 - $ 2499
4 .$ 2500 - $ 4999
5 .$ 5000 - $ 9999
6  $10000+

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

**BDSP Numeric 2**
Number of bedrooms
bb .N/A (GQ)
0..99 .0 to 99 bedrooms (Top-coded)

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

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

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

**CONP Numeric 4**
Condo fee (monthly amount, use ADJHSG to adjust CONP to constant dollars)
bbbb .N/A (GQ/vacant units/not owned or being bought)
0..9999 .$0 - $9999 (Rounded and top-coded)

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

**ELEFP Character 1**
Electricity cost flag variable
b .N/A (GQ/vacant)
1 .Included in rent or in condo fee
2 .No charge or electricity not used
3. Valid monthly electricity cost in ELEP

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

**FS**  
**Character**  
1  
Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) 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)  
**bbbb**  
.N/A (GQ/vacant/included in rent or in condo fee/no charge or fuel other than gas or electricity not used)  
3..9999 .$3 to $9999 (Rounded and top-coded)

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

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

**HFL**  
**Character**  
1  
House heating fuel  
**b**  
.N/A (GQ/vacant)  
1 .Utility gas  
2 .Bottled, tank, or LP gas  
3 .Electricity  
4 .Fuel oil, kerosene, etc.  
5 .Coal or coke  
6 .Wood  
7 .Solar energy
8. Other fuel
9. No fuel used

HISPEED  Character  1
Broadband (high speed) Internet service such as cable, fiber optic, or DSL service
b. N/A (GQ/vacant/no paid access to the internet)
1. Yes
2. No

HOTWAT  Character  1
Water heater (Puerto Rico only)
b. N/A (GQ)
1. Yes
2. No
9. Case is from the United States, HOTWAT not applicable

INSP  Numeric  5
Fire/hazard/flood insurance (yearly amount, use ADJHSG to adjust INSP to constant dollars)
bbbbb . 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)
bbbbb . 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)
bbbbb . N/A (GQ/vacant/not owned or being bought/not mortgaged)
1..99999 . $1 to $99999 (Rounded and top-coded)

MRGT  Character  1
First mortgage payment includes real estate taxes
b . N/A (GQ/vacant/not owned or being bought/not mortgaged)
1. Yes, taxes included in payment
2. No, taxes paid separately or taxes not required
MRGX     Character 1
First mortgage status
b .N/A (GQ/vacant/not owned or being bought)
  1 .Mortgage, deed of trust, or similar debt
  2 .Contract to purchase
  3 .None

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

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

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

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

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

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

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

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

**SINK**

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

**SMARTPHONE**

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

**SMP**

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

**STOV**

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

**TABLET**

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

**TEL**

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

**TEN**

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

**VACS**

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

**VALP**  
Numeric 7  
Property value  

```
bbbbbbbb  
.N/A (GQ/vacant units, except 'for-sale-only' 
and 'sold, not occupied'/not owned or being 
bought) 
1..9999999  
.$1 to $9999999 (Rounded and top-coded)
```

**VEH**  
Character 1  
Vehicles (1 ton or less) available

```
b .N/A (GQ/vacant) 
0 .No vehicles 
1 .1 vehicle 
2 .2 vehicles 
3 .3 vehicles 
4 .4 vehicles 
5 .5 vehicles 
6 .6 or more vehicles
```

**WATFP**  
Character 1  
Water cost flag variable

```
b .N/A (GQ/vacant) 
1 .Included in rent or in condo fee 
2 .No charge 
3 .Valid annual water cost in WATP
```

**WATP**  
Numeric 4  
Water cost (yearly cost, use ADJHSG to adjust WATP to constant dollars)

```
bbbb  
.N/A (GQ/vacant/included in rent or in condo fee/no 
.charge) 
3..9999  
.$3 to $9999 (Rounded and top-coded)
```

**YRBLT**  
Character 4  
When structure first built

```
bbbb  
.N/A (GQ) 
1939 .1939 or earlier 
1940 .1940 to 1949 
1950 .1950 to 1959 
1960 .1960 to 1969 
1970 .1970 to 1979 
1980 .1980 to 1989 
1990 .1990 to 1999 
2000 .2000 to 2009 
2010 .2010 to 2019 
2020 .2020 
2021 .2021
```

**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

**FINCP**
**Numeric** 8
Family income (past 12 months, use ADJINC to adjust FINCP to constant dollars)
- N/A (GQ/vacant)
- No family income
- Loss of $59,999 or more
- Loss of $1 to $59,998
- Total family income in dollars (Components are rounded)

**FPARC**
**Character** 1
Family presence and age of related children
- N/A (GQ/vacant/not a family)
- With related children under 5 years only
- With related children 5 to 17 years only
- With related children under 5 years and 5 to 17 years
- No related children

**GRNTP**
**Numeric** 5
Gross rent (monthly amount, use ADJHSG to adjust GRNTP to constant dollars)
- N/A (GQ/vacant/owned or being bought/occupied without rent payment)
- $1 - $99999 (Components are rounded)

**GRPIP**
**Numeric** 3
Gross rent as a percentage of household income past 12 months
- N/A (GQ/vacant/owned or being bought/occupied without rent payment/no household income)
- .1 percent to 100 percent
- 1.01 percent or more

**HHL**
**Character** 1
Household language
- N/A (GQ/vacant)
- English only
- Spanish
- Other Indo-European languages
- Asian and Pacific Island languages
- Other language

**HHLANP**
**Character** 4
Detailed household language
- N/A (GQ/vacant)
- Jamaican Creole English
- Other English-based Creole languages
- Haitian
- Kabuverdianu
- German
- Swiss German
- Pennsylvania German
- Yiddish
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2030  .Min Nan Chinese
2050  .Cantonese
2100  .Tibetan
2160  .Burmese
2270  .Chin languages
2350  .Karen languages
2430  .Thai
2475  .Lao
2525  .Iu Mien
2535  .Hmong
2560  .Japanese
2575  .Korean
2715  .Malay
2770  .Indonesian
2850  .Other languages of Asia
2910  .Filipino
2920  .Tagalog
2950  .Cebuano
3150  .Ilocano
3190  .Other Philippine languages
3220  .Chamorro
3270  .Marshallese
3350  .Chuukese
3420  .Samoan
3500  .Tongan
3570  .Hawaiian
3600  .Other Eastern Malayo-Polynesian languages
4500  .Arabic
4545  .Hebrew
4560  .Assyrian Neo-Aramaic
4565  .Chaldean Neo-Aramaic
4590  .Amharic
4640  .Tigrinya
4830  .Oromo
4840  .Somali
4880  .Other Afro-Asiatic languages
4900  .Nilo-Saharan languages
5150  .Swahili
5345  .Ganda
5525  .Shona
5645  .Other Bantu languages
5845  .Manding languages
5900  .Other Mande languages
5940  .Fulah
5950  .Wolof
6120  .Akan (incl. Twi)
6205  .Ga
6230  .Gbe languages
6290  .Yoruba
6300  .Edoid languages
6370  .Igbo
6500  .Other Niger-Congo languages
6795  .Other languages of Africa
6800  .Aleut languages
6839  .Ojibwa
6930  .Apache languages
6933  .Navajo
7019 .Dakota languages
7032 .Muskogean languages
7039 .Keres
7050 .Cherokee
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9500 .English only household
9999 .Other and unspecified languages

HHLDRAGEP  Numeric  2
Age of the householder
   bb .N/A (GQ/vacant)
   15..99 .15 to 99 years (Top-coded)

HHLDRHISP  Character  2
Recoded detailed Hispanic origin of the householder
   bb .N/A (GQ/vacant)
   01 .Not Spanish/Hispanic/Latino
   02 .Mexican
   03 .Puerto Rican
   04 .Cuban
   05 .Dominican
   06 .Costa Rican
   07 .Guatemalan
   08 .Honduran
   09 .Nicaraguan
   10 .Panamanian
   11 .Salvadoran
   12 .Other Central American
   13 .Argentinean
   14 .Bolivian
   15 .Chilean
   16 .Colombian
   17 .Ecuadorian
   18 .Paraguayan
   19 .Peruvian
   20 .Uruguayan
   21 .Venezuelan
   22 .Other South American
   23 .Spaniard
   24 .All Other Spanish/Hispanic/Latino

HHLDRRAC1P  Character  1
Recoded detailed race code of the householder
   bb .N/A (GQ/vacant)
   1 .White alone
   2 .Black or African American alone
   3 .American Indian alone
   4 .Alaska Native alone
   5 .American Indian and Alaska Native tribes specified; or
      .American Indian or Alaska Native, not specified and no other
      .races
   6 .Asian alone
   7 .Native Hawaiian and Other Pacific Islander alone
   8 .Some Other Race alone
   9 .Two or More Races
<table>
<thead>
<tr>
<th>Character 1</th>
<th>Household/family type</th>
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<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1</td>
<td>Married couple household</td>
</tr>
<tr>
<td>2</td>
<td>Other family household: Male householder, no spouse present</td>
</tr>
<tr>
<td>3</td>
<td>Other family household: Female householder, no spouse present</td>
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<tr>
<td>4</td>
<td>Nonfamily household: Male householder: Living alone</td>
</tr>
<tr>
<td>5</td>
<td>Nonfamily household: Male householder: Not living alone</td>
</tr>
<tr>
<td>6</td>
<td>Nonfamily household: Female householder: Living alone</td>
</tr>
<tr>
<td>7</td>
<td>Nonfamily household: Female householder: Not living alone</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Character 1</th>
<th>Household with grandparent living with grandchildren</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>0</td>
<td>Household without grandparent living with grandchildren</td>
</tr>
<tr>
<td>1</td>
<td>Household with grandparent living with grandchildren</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Character 1</th>
<th>HH presence and age of children</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant)</td>
</tr>
</tbody>
</table>
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)

- bbbb. N/A (GQ/vacant/not owned or being bought)
- 0. None
- 1..99999. $1 - $99999 (Components are rounded)

---

**SMX**

**Character 1**

Second or junior mortgage or home equity loan status

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

---

**SRNT**

**Character 1**

Specified rental unit

- b. N/A (GQ/vacant units, except 'for rent' and 'rented, not occupied'/owned or being bought)
- 0. A single-family home on 10 or more acres
1. A single-family home on less than 10 acres or any other type of building, including mobile homes, with no regard to acreage

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

**TAXAMT**  
Numeric 5  
Property taxes (yearly real estate taxes, use ADJHSG to adjust TAXAMT to constant dollars)  
nnnn .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  
nnn .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  
nnn .N/A (GQ/not a family household/same-sex married-couple families)  
01. Husband and wife both in labor force, both employed or in Armed Forces  
02. Husband and wife both in labor force, husband employed or in Armed Forces, wife unemployed  
03. Husband in labor force and wife not in labor force, husband employed or in Armed Forces
04. Husband and wife both in labor force, husband unemployed, wife employed or in Armed Forces
05. Husband and wife both in labor force, husband unemployed, wife unemployed
06. Husband in labor force, husband unemployed, wife not in labor force
07. Husband not in labor force, wife in labor force, wife employed or in Armed Forces
08. Husband not in labor force, wife in labor force, wife unemployed
09. Neither husband nor wife in labor force
10. Male householder with no wife present, householder in labor force, employed or in Armed Forces
11. Male householder with no wife present, householder in labor force and unemployed
12. Male householder with no wife present, householder not in labor force
13. Female householder with no husband present, householder in labor force, employed or in Armed Forces
14. Female householder with no husband present, householder in labor force and unemployed
15. Female householder with no husband present, householder not in labor force

HOUSING RECORD-ALLOCATION FLAGS

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

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

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

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

FBDSP Character 1
Number of bedrooms allocation flag
b .N/A (GQ)
0 .No
1 .Yes
FBLDP Character 1
Units in structure allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

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

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

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

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

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

FFSP Character 1
Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) 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

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

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

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

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

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

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

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

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

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

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

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

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

FPLMPRP  Character  1
Complete plumbing facilities allocation flag for Puerto Rico
   b .N/A (GQ)
   0 .No
   1 .Yes
<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREFRP</td>
<td>Refrigerator allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FRMSP</td>
<td>Number of rooms allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FRNTMP</td>
<td>Meals included in rent allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FRNTP</td>
<td>Monthly rent allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FRWATP</td>
<td>Hot and cold running water allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FRWATPRP</td>
<td>Running water allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FSATELLITEP</td>
<td>Satellite Internet service allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
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<td></td>
<td>0 .No</td>
</tr>
<tr>
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<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FSINKP</td>
<td>Sink with a faucet allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FSMARTPHONP</td>
<td>Smartphone allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
<tr>
<td>FSMOCF</td>
<td>Selected monthly owner cost allocation flag</td>
<td>b .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0 .No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 .Yes</td>
</tr>
</tbody>
</table>
FSMP  Character  1
Total payment on second and junior mortgages and home equity loans
(monthly amount) allocation flag
  b .N/A (GQ)
  0 .No
  1 .Yes

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

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

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

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

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

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

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

FVACSP  Character  1
Vacancy status allocation flag
  b .N/A (GQ)
0 .No
1 .Yes

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

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

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

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

**HOUSING RECORD-REPLICATE WEIGHTS**

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

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

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

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

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

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

**WGTP7**  **Numeric 5**
Housing Unit Weight replicate 7
-9999..9999 .Integer weight of housing unit
<table>
<thead>
<tr>
<th>Variable</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WGTP8</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP9</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP10</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP11</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP12</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP13</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP14</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 14</td>
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<tr>
<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP15</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 15</td>
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<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP16</td>
<td>Numeric 5</td>
<td>Housing Unit Weight replicate 16</td>
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<td></td>
<td></td>
<td>-9999..9999 .Integer weight of housing unit</td>
</tr>
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-9999..9999  .Integer weight of housing unit  

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

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

WGTP35  Numeric  5  
Housing Unit Weight replicate 35  
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WGTP53 Numeric 5 Housing Unit Weight replicate 53 -9999..9999 Integer weight of housing unit
WGTP54 Numeric 5 Housing Unit Weight replicate 54 -9999..9999 Integer weight of housing unit
WGTP55 Numeric 5 Housing Unit Weight replicate 55 -9999..9999 Integer weight of housing unit
WGTP56 Numeric 5 Housing Unit Weight replicate 56 -9999..9999 Integer weight of housing unit
WGTP57 Numeric 5 Housing Unit Weight replicate 57 -9999..9999 Integer weight of housing unit
WGTP58 Numeric 5 Housing Unit Weight replicate 58 -9999..9999 Integer weight of housing unit
WGTP59 Numeric 5 Housing Unit Weight replicate 59 -9999..9999 Integer weight of housing unit
WGTP60 Numeric 5 Housing Unit Weight replicate 60 -9999..9999 Integer weight of housing unit
WGTP61 Numeric 5 Housing Unit Weight replicate 61 -9999..9999 Integer weight of housing unit
WGTP62 Numeric 5 Housing Unit Weight replicate 62 -9999..9999 Integer weight of housing unit
WGTP63 Numeric 5 Housing Unit Weight replicate 63 -9999..9999 Integer weight of housing unit
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-9999..9999  .Integer weight of housing unit |
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| WGTP66   | Numeric 5 | Housing Unit Weight replicate 66  
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| WGTP67   | Numeric 5 | Housing Unit Weight replicate 67  
-9999..9999  .Integer weight of housing unit |
| WGTP68   | Numeric 5 | Housing Unit Weight replicate 68  
-9999..9999  .Integer weight of housing unit |
| WGTP69   | Numeric 5 | Housing Unit Weight replicate 69  
-9999..9999  .Integer weight of housing unit |
| WGTP70   | Numeric 5 | Housing Unit Weight replicate 70  
-9999..9999  .Integer weight of housing unit |
| WGTP71   | Numeric 5 | Housing Unit Weight replicate 71  
-9999..9999  .Integer weight of housing unit |
| WGTP72   | Numeric 5 | Housing Unit Weight replicate 72  
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| WGTP73   | Numeric 5 | Housing Unit Weight replicate 73  
-9999..9999  .Integer weight of housing unit |
| WGTP74   | Numeric 5 | Housing Unit Weight replicate 74  
-9999..9999  .Integer weight of housing unit |
| WGTP75   | Numeric 5 | Housing Unit Weight replicate 75  
-9999..9999  .Integer weight of housing unit |
| WGTP76   | Numeric 5 | Housing Unit Weight replicate 76  
-9999..9999  .Integer weight of housing unit |
| WGTP77   | Numeric 5 | Housing Unit Weight replicate 77  
-9999..9999  .Integer weight of housing unit |
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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
2017000000001..2017999999999 .Unique identifier (2017 and
earlier)
2018GQ0000001..2021GQ9999999 .GQ Unique identifier (2018 and
later)
2018HU0000001..2021HU9999999 .HU Unique identifier (2018 and
later)

DIVISION  Character  1
Division code based on 2010 Census definitions
0 .Puerto Rico
1 .New England (Northeast region)
2 .Middle Atlantic (Northeast region)
3 .East North Central (Midwest region)
4 .West North Central (Midwest region)
5 .South Atlantic (South region)
6 .East South Central (South region)
7 .West South Central (South Region)
8 .Mountain (West region)
9 .Pacific (West region)

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

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

1117630.2017 factor (1.011189 * 1.10526316)
1093093.2018 factor (1.013097 * 1.07896160)
1070512.2019 factor (1.010145 * 1.05976096)
1053131.2020 factor (1.006149 * 1.04669465)
1029928.2021 factor (1.029928 * 1.00000000)

Person weight

Integer weight of person

PERSON RECORD-PERSON VARIABLES

Age

Under 1 year
0.99 .1 to 99 years (Top-coded)

Citizenship status

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

Year of naturalization write-in

1944 .1944 or earlier (Bottom-coded)
1945 .1945 - 1947
1948 .1948 - 1949
1950 .1950 - 1951
1952 .1952
1953 .1953
1954 .1954
1955 .1955
1956 .1956
1957 .1957
1958 .1958
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2015 .2015
2016 .2016
2017 .2017
2018 .2018
2019 .2019
2020 .2020
2021 .2021

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

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

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

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

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

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

**DRAT Character 1**
Veteran service connected disability rating (percentage)
b. N/A (No service-connected disability/never served in military)
1. 0 percent
2. 10 or 20 percent
3. 30 or 40 percent
4. 50 or 60 percent
5. 70, 80, 90, or 100 percent
6. Not reported
DRATX Character 1
Veteran service connected disability rating (checkbox)
  b .N/A (Less than 17 years old/never served in military)
  1 .Yes
  2 .No

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

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

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

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

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

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

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

HINS2 Character 1
Insurance purchased directly from an insurance company
1 .Yes
2 .No

HINS3  Character  1
Medicare, for people 65 and older, or people with certain disabilities
1 .Yes
2 .No

HINS4  Character  1
Medicaid, Medical Assistance, or any kind of government-assistance plan
for those with low incomes or a disability
1 .Yes
2 .No

HINS5  Character  1
TRICARE or other military health care
1 .Yes
2 .No

HINS6  Character  1
VA (Health Insurance through VA Health Care)
1 .Yes
2 .No

HINS7  Character  1
Indian Health Service
1 .Yes
2 .No

INTP  Numeric  6
Interest, dividends, and net rental income past 12 months (signed, use
ADJINC to adjust to constant dollars)
bubbo  .N/A (less than 15 years old)
0  .None
-10000..-4  .Loss $4 to $10000 (Rounded and bottom-coded)
4..999999  .$4 to $999999 (Rounded and top-coded)

JWMNP  Numeric  3
Travel time to work
bb  .N/A (not a worker or worker who worked from home)
1..200  .1 to 200 minutes to get to work (Top-coded)

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

Means of transportation to work

- 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)
- Car, truck, or van
- Bus
- Subway or elevated rail
- Long-distance train or commuter rail
- Light rail, streetcar, or trolley
- Ferryboat
- Taxicab
- Motorcycle
- Bicycle
- Walked
- Worked from home
- Other method

**LANX Character 1**

Language other than English spoken at home

- N/A (less than 5 years old)
- Yes, speaks another language
- No, speaks only English

**MAR Character 1**

Marital status

- Married
- Widowed
- Divorced
- Separated
- Never married or under 15 years old

**MARHD Character 1**

Divorced in the past 12 months

- N/A (age less than 15 years; never married)
- Yes
- No
- Suppressed for data year 2018 for select PUMAs

**MARHM Character 1**

Married in the past 12 months

- N/A (age less than 15 years; never married)
- Yes
- No

**MARHT Character 1**

Number of times married

- N/A (age less than 15 years; never married)
- One time
- Two times
- Three or more times

**MARHW Character 1**

Widowed in the past 12 months

- N/A (age less than 15 years; never married)
- Yes
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2019 .2019  
2020 .2020  
2021 .2021  

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

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

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

**MLPB Character 1**  
Served August 1990 - August 2001 (including Persian Gulf War)  
b .N/A (Less than 17 years old/no active duty)  
0 .Did not serve this period  
1 .Served this period
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<td>Served May 1975 - July 1990</td>
<td>b . N/A (less than 17 years old/no active duty) 0 . Did not serve this period 1 . Served this period</td>
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<tr>
<td>MLPE</td>
<td>Served Vietnam era (August 1964 - April 1975)</td>
<td>b . N/A (Less than 17 years old/no active duty) 0 . Did not serve this period 1 . Served this period</td>
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<tr>
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<td>Served February 1955 - July 1964</td>
<td>b . N/A (less than 17 years old/no active duty) 0 . Did not serve this period 1 . Served this period</td>
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<tr>
<td>MLPH</td>
<td>Served Korean War (July 1950 - January 1955)</td>
<td>b . N/A (Less than 17 years old/no active duty) 0 . Did not serve this period 1 . Served this period</td>
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<tr>
<td>MLPIK</td>
<td>Peacetime service before July 1950</td>
<td>b . N/A (Less than 17 years old/no active duty) 0 . Did not serve this period 1 . Served this period</td>
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<tr>
<td>MLPJ</td>
<td>Served World War II (December 1941 - December 1946)</td>
<td>b . N/A (Less than 17 years old/no active duty) 0 . Did not serve this period 1 . Served this period</td>
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<tr>
<td>NWAB</td>
<td>Temporary absence from work (Unedited-See 'Employment Status Recode' (ESR))</td>
<td>b . N/A (less than 16 years old/at work/on layoff) 1 . Yes 2 . No 3 . Did not report</td>
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<td>NWAV</td>
<td>Available for work (Unedited-See 'Employment Status Recode' (ESR))</td>
<td>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</td>
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<td>NWLA</td>
<td>On layoff from work (Unedited-See 'Employment Status Recode' (ESR))</td>
<td>b . N/A (less than 16 years old/at work)</td>
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1. Yes
2. No
3. Did not report

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

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

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

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

**RELSHIPP Character 2**
Relationship to reference person
   20 . Reference person
   21 . Opposite-sex husband/wife/spouse
   22 . Opposite-sex unmarried partner
   23 . Same-sex husband/wife/spouse
   24 . Same-sex unmarried partner
   25 . Biological son or daughter
   26 . Adopted son or daughter
   27 . Stepson or stepdaughter
   28 . Brother or sister
   29 . Father or mother
   30 . Grandchild
   31 . Parent-in-law
   32 . Son-in-law or daughter-in-law
   33 . Other relative
   34 . Roommate or housemate
   35 . Foster child
   36 . Other nonrelative
   37 . Institutionalized group quarters population
   38 . Noninstitutionalized group quarters population
RETP Numeric 6
Retirement income past 12 months (use ADJINC to adjust to constant dollars)
  bbbbbbb .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)
  bbbbbbb .N/A (less than 15 years old)
  0 .None
  -10000..-4 .Loss $4 to $10000 (Rounded and bottom-coded)
  4..9999999 .$4 to $9999999 (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)
  bbbbb .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)
  bbbbb .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)
  bbbbbbb .N/A (less than 15 years old)
  0 .None
  4..9999999 .$4 to 9999999 (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 months
5 .14 to 26 weeks worked during past 12 months
6 .13 weeks or less worked during past 12 months

WKWN  Numeric  2
Weeks worked during past 12 months (2019 or later)
bb .N/A (less than 16 years old/did not work during the past 12 months or case is from before 2019)
1..52 .1 to 52 weeks worked during past 12 months (2019 or later)

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

YOEP  Numeric  4
Year of entry
bbbb .Not eligible - Born in the US
1934 .1934 or earlier (Bottom-coded)
1935 .1935 - 1938
1939 .1939 - 1942
1943 .1943 - 1944
1945 .1945
1946 .1946
1947 .1947
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**PERSON RECORD—RECODED PERSON VARIABLES**

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8. Suppressed for data year 2018 for select PUMAs

**ANC1P**

**Character 3**

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226  .Salvadoran
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261  .Puerto Rican
271  .Cuban
275  .Dominican
290  .Hispanic
291  .Spanish
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300  .Bahamian
301  .Barbadian
302  .Belizean
308  .Jamaican
310  .Dutch West Indian
314  .Trinidadian Tobagonian
322  .British West Indian
325 .Antigua and Barbuda
329 .Grenadian
330 .Vincent-Grenadine Islander
331 .St Lucia Islander
335 .West Indian
336 .Haitian
359 .Other West Indian
360 .Brazilian
370 .Guyanese
400 .Algerian
402 .Egyptian
404 .Libyan (2017 or later)
406 .Moroccan
411 .North African
416 .Iranian
417 .Iraqi
419 .Israeli
421 .Jordanian
425 .Lebanese
427 .Saudi Arabian
429 .Syrian
431 .Armenian
434 .Turkish
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442 .Kurdish
450 .Palestinian
483 .Assyrian
484 .Chaldean
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495 .Arab
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499 .Other Arab
508 .Cameroonian
510 .Cape Verdean
515 .Congolese
522 .Ethiopian
523 .Eritrean
527 .Gambian (2017 or later)
529 .Ghanaian
530 .Guinean (2017 or later)
534 .Kenyan
541 .Liberian
553 .Nigerian
564 .Senegalese
566 .Sierra Leonean
568 .Somali
570 .South African
576 .Sudanese
586 .Togolese (2017 or later)
587 .Other Subsaharan African
588 .Ugandan
593 .Zimbabwean (2017 or later)
598 .Rough African
599 .African
600 .Afghan
603 .Bangladeshi
607 .Bhutanese
609 .Nepali
615 .Asian Indian
618 .Bengali
620 .East Indian
650 .Punjabi
680 .Pakistani
690 .Sri Lankan
700 .Burmese
703 .Cambodian
706 .Chinese
707 .Cantonese
712 .Mongolian
714 .Tibetan
716 .Hong Kong (2017 or later)
720 .Filipino
730 .Indonesian
740 .Japanese
748 .Okinawan
750 .Korean
765 .Laotian
768 .Hmong
770 .Malaysian
776 .Thai
782 .Taiwanese
785 .Vietnamese
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803 .New Zealander
808 .Polynesian
811 .Hawaiian
814 .Samoa
815 .Tongan
820 .Micronesian
821 .Guamanian
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907 .Creole
913 .Central American Indian
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917 .Native American
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919 .Cherokee
920 .American Indian
921 .Aleut (2016 or earlier)
922 .Eskimo
924 .White
925 .Anglo
927 .Appalachian
929 .Pennsylvania German
931 .Canadian
935 .French Canadian
937 .Cajun
939 .American
940 .United States
983 .Texas
994 .North American
995 .Mixture
996 .Uncodable entries
997 .Other groups
998 .Other responses
999 .Not reported

ANC2P  Character  3
Ancestry recode - second entry
000 .Suppressed for data year 2018 for select PUMAs
001 .Alsatian
003 .Austrian
005 .Basque
008 .Belgian
009 .Flemish
011 .British
012 .British Isles
020 .Danish
021 .Dutch
022 .English
024 .Finnish
026 .French
032 .German
040 .Prussian
046 .Greek
049 .Icelander
050 .Irish
051 .Italian
068 .Sicilian
077 .Luxembourger
078 .Maltese
082 .Norwegian
084 .Portuguese
087 .Scotch Irish
088 .Scottish
089 .Swedish
091 .Swiss
094 .Irish Scotch
097 .Welsh
098 .Scandinavian
099 .Celtic
100 .Albanian
102 .Belorussian
103 .Bulgarian
109 .Croatian
111 .Czech
112 .Bohemian
114 .Czechoslovakian
115 .Estonian
122 .German Russian
124 .Rom
125 .Hungarian
128 .Latvian
129 .Lithuanian
130 .Macedonian
131 .Montenegrin
142 .Polish
144 .Romanian
146 .Moldavian
148 .Russian
152 .Serbian
153 .Slovak
154 .Slovene
168 .Turkestani
169 .Uzbek
170 .Georgia CIS
171 .Ukrainian
176 .Yugoslavian
177 .Bosnian and Herzegovinian
178 .Slavic
181 .Central European
183 .Northern European
185 .Southern European
187 .Western European
190 .Eastern European
194 .Germanic
195 .European
200 .Spaniard
210 .Mexican
211 .Mexican American
212 .Mexicano
213 .Chicano
215 .Mexican American Indian
218 .Mexican State
219 .Mexican Indian
221 .Costa Rican
222 .Guatemalan
223 .Honduran
224 .Nicaraguan
225 .Panamanian
226 .Salvadoran
227 .Central American
231 .Argentinean
232 .Bolivian
233 .Chilean
234 .Colombian
235 .Ecuadorean
236 .Paraguayan
237 .Peruvian
238 .Uruguayan
239 .Venezuelan
249 .South American
250 .Latin American
251 .Latin
252 .Latino
261 .Puerto Rican
271. Cuban
275. Dominican
290. Hispanic
291. Spanish
295. Spanish American
300. Bahamian
301. Barbadian
302. Belizean
308. Jamaican
310. Dutch West Indian
314. Trinidadian Tobagonian
322. British West Indian
325. Antigua and Barbuda
329. Grenadian
330. Vincent-Grenadine Islander
331. St Lucia Islander
335. West Indian
336. Haitian
359. Other West Indian
360. Brazilian
370. Guyanese
400. Algerian
402. Egyptian
404. Libyan (2017 or later)
406. Moroccan
411. North African
416. Iranian
417. Iraqi
419. Israeli
421. Jordanian
425. Lebanese
427. Saudi Arabian
429. Syrian
431. Armenian
434. Turkish
435. Yemeni
442. Kurdish
465. Palestinian
483. Assyrian
484. Chaldean
490. Mideast
495. Arab
496. Arabic
499. Other Arab
508. Cameroonian
510. Cape Verdean
515. Congolese
522. Ethiopian
523. Eritrean
527. Gambian (2017 or later)
529. Ghanaian
530. Guinean (2017 or later)
534. Kenyan
541. Liberian
553. Nigerian
564. Senegalese
566. Sierra Leonean
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<td>716</td>
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<td>785</td>
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<td>793</td>
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<td>902</td>
<td>African American</td>
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<tr>
<td>903</td>
<td>Black</td>
</tr>
</tbody>
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55

Negro
Creole
Central American Indian
South American Indian
Native American
Indian
Cherokee
American Indian
Aleut (2016 or earlier)
Eskimo
White
Anglo
Appalachian
Pennsylvania German
Canadian
French Canadian
Cajun
American
United States
Texas
North American
Mixture
Uncodable entries
Other groups
Other responses
Not reported

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

DIS Character 1
Disability recode
1 With a disability
2 Without a disability

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

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

**ESR Character 1**

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

**FOD1P Character 4**

Recoded field of degree - first entry
bbbbb .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
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<td>2310 .Special Needs Education</td>
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<td>2311 .Social Science Or History Teacher Education</td>
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<tr>
<td>2312 .Teacher Education: Multiple Levels</td>
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<td>2313 .Language And Drama Education</td>
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<tr>
<td>2314 .Art And Music Education</td>
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<tr>
<td>2399 .Miscellaneous Education</td>
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<tr>
<td>2400 .General Engineering</td>
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<tr>
<td>2401 .Aerospace Engineering</td>
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<tr>
<td>2402 .Biological Engineering</td>
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<td>2403 .Architectural Engineering</td>
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<tr>
<td>2404 .Biomedical Engineering</td>
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<td>2405 .Chemical Engineering</td>
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<td>2406 .Civil Engineering</td>
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<td>2407 .Computer Engineering</td>
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<td>2408 .Electrical Engineering</td>
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<td>2409 .Engineering Mechanics Physics And Science</td>
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<tr>
<td>2410 .Environmental Engineering</td>
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<tr>
<td>2411 .Geological And Geophysical Engineering</td>
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<tr>
<td>2412 .Industrial And Manufacturing Engineering</td>
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<tr>
<td>2413 .Materials Engineering And Materials Science</td>
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<td>2414 .Mechanical Engineering</td>
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<td>2415 .Metallurgical Engineering</td>
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<td>2416 .Mining And Mineral Engineering</td>
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<tr>
<td>2417 .Naval Architecture And Marine Engineering</td>
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<td>2418 .Nuclear Engineering</td>
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<td>2419 .Petroleum Engineering</td>
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<td>2499 .Miscellaneous Engineering</td>
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<td>2500 .Engineering Technologies</td>
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<td>2501 .Engineering And Industrial Management</td>
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<td>2502 .Electrical Engineering Technology</td>
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<td>2503 .Industrial Production Technologies</td>
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<td>2504 .Mechanical Engineering Related Technologies</td>
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<tr>
<td>2599 .Miscellaneous Engineering Technologies</td>
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<tr>
<td>2601 .Linguistics And Comparative Language And Literature Studies</td>
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<td>2602 .French German Latin And Other Common Foreign Language Studies</td>
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<td>2603 .Other Foreign Languages</td>
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<td>2901 .Family And Consumer Sciences</td>
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<td>3202 .Pre-Law And Legal Studies</td>
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<td>3301 .English Language And Literature</td>
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<td>3302 .Composition And Rhetoric</td>
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<td>3401 .Liberal Arts</td>
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<td>3402 .Humanities</td>
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<td>3501 .Library Science</td>
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<td>3600 .Biology</td>
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<td>3601 .Biochemical Sciences</td>
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<td>3602 .Botany</td>
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<td>3603 .Molecular Biology</td>
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<td>3604 .Ecology</td>
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<td>3606 .Microbiology</td>
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<td>3609 .Zoology</td>
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<td>3611 .Neuroscience</td>
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<tr>
<td>3699 .Miscellaneous Biology</td>
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<tr>
<td>3700 .Mathematics</td>
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3701 . Applied Mathematics
3702 . Statistics And Decision Science
3801 . Military Technologies
4000 . Multi/Interdisciplinary Studies
4001 . Intercultural And International Studies
4002 . Nutrition Sciences
4005 . Mathematics And Computer Science
4006 . Cognitive Science And Biopsychology
4007 . Interdisciplinary Social Sciences
4101 . Physical Fitness Parks Recreation And Leisure
4801 . Philosophy And Religious Studies
4901 . Theology And Religious Vocations
5000 . Physical Sciences
5001 . Astronomy And Astrophysics
5002 . Atmospheric Sciences And Meteorology
5003 . Chemistry
5004 . Geology And Earth Science
5005 . Geosciences
5006 . Oceanography
5007 . Physics
5008 . Materials Science
5098 . Multi-Disciplinary Or General Science
5102 . Nuclear, Industrial Radiology, And Biological Technologies
5200 . Psychology
5201 . Educational Psychology
5202 . Clinical Psychology
5203 . Counseling Psychology
5205 . Industrial And Organizational Psychology
5206 . Social Psychology
5299 . Miscellaneous Psychology
5301 . Criminal Justice And Fire Protection
5401 . Public Administration
5402 . Public Policy
5403 . Human Services And Community Organization
5404 . Social Work
5500 . General Social Sciences
5501 . Economics
5502 . Anthropology And Archeology
5503 . Criminology
5504 . Geography
5505 . International Relations
5506 . Political Science And Government
5507 . Sociology
5599 . Miscellaneous Social Sciences
5601 . Construction Services
5701 . Electrical, Mechanical, And Precision Technologies And Production
5901 . Transportation Sciences And Technologies
6000 . Fine Arts
6001 . Drama And Theater Arts
6002 . Music
6003 . Visual And Performing Arts
6004 . Commercial Art And Graphic Design
6005 . Film Video And Photographic Arts
6006 . Art History And Criticism
6007 . Studio Arts
6099 . Miscellaneous Fine Arts
6100 .General Medical And Health Services
6102 .Communication Disorders Sciences And Services
6103 .Health And Medical Administrative Services
6104 .Medical Assisting Services
6105 .Medical Technologies Technicians
6106 .Health And Medical Preparatory Programs
6107 .Nursing
6108 .Pharmacy Pharmaceutical Sciences And Administration
6109 .Treatment Therapy Professions
6110 .Community And Public Health
6199 .Miscellaneous Health Medical Professions
6200 .General Business
6201 .Accounting
6202 .Actuarial Science
6203 .Business Management And Administration
6204 .Operations Logistics And E-Commerce
6205 .Business Economics
6206 .Marketing And Marketing Research
6207 .Finance
6209 .Human Resources And Personnel Management
6210 .International Business
6211 .Hospitality Management
6212 .Management Information Systems And Statistics
6299 .Miscellaneous Business and Medical Administration
6402 .History
6403 .United States History

FOD2P
Character 4
Recoded field of degree - second entry

bbbb .N/A (Less Than Bachelor's Degree)
1100 .General Agriculture
1101 .Agriculture Production And Management
1102 .Agricultural Economics
1103 .Animal Sciences
1104 .Food Science
1105 .Plant Science And Agronomy
1106 .Soil Science
1109 .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
HICOV  Character  1
Health insurance coverage recode
1 .With health insurance coverage
2 .No health insurance coverage

HISP  Character  2
Recoded detailed Hispanic origin
01 .Not Spanish/Hispanic/Latino
02 .Mexican
03 .Puerto Rican
04 .Cuban
05 .Dominican
06 .Costa Rican
07 .Guatemalan
08 .Honduran
09 .Nicaraguan
10 .Panamanian
11 .Salvadoran
12 .Other Central American
13 .Argentinean
14 .Bolivian
15 .Chilean
16 .Colombian
17 .Ecuadorian
18 .Paraguayan
19 .Peruvian
20 .Uruguayan
21 .Venezuelan
22 .Other South American
23 .Spaniard
24 .All Other Spanish/Hispanic/Latino

INDP Character 4
Industry recode for 2018 and later based on 2017 IND codes
 bbbb .N/A (less than 16 years old/NILF who last worked more than .5 years ago or never worked)
0170 .AGR-Crop Production
0180 .AGR-Animal Production And Aquaculture
0190 .AGR-Forestry Except Logging
0270 .AGR-Logging
0280 .AGR-Fishing, Hunting And Trapping
0290 .AGR-Support Activities For Agriculture And Forestry
0370 .EXT-Oil And Gas Extraction
0380 .EXT-Coal Mining
0390 .EXT-Metal Ore Mining
0470 .EXT-Nonmetallic Mineral Mining And Quarrying
0490 .EXT-Support Activities For Mining
0570 .UTL-Electric Power Generation, Transmission And Distribution
0580 .UTL-Natural Gas Distribution
0590 .UTL-Electric And Gas, And Other Combinations
0670 .UTL-Water, Steam, Air-Conditioning, And Irrigation Systems
0680 .UTL-Sewage Treatment Facilities
0690 .UTL-Not Specified Utilities
0770 .CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)
1070 .MFG-Animal Food, Grain And Oilseed Milling
1080 .MFG-Sugar And Confectionery Products
1090 .MFG-Fruit And Vegetable Preserving And Specialty Food
1170 .MFG-Dairy Product
1180 .MFG-Animal Slaughtering And Processing
1190 .MFG-Retail Bakeries
1270 .MFG-Bakeries And Tortilla, Except Retail Bakeries
1280 .MFG-Seafood And Other Miscellaneous Foods, N.E.C.
1290 .MFG-Not Specified Food Industries
1370 .MFG-Beverage
1390 .MFG-Tobacco
1470 .MFG-Fiber, Yarn, And Thread Mills
1480 .MFG-Fabric Mills, Except Knitting Mills
1490 .MFG-Textile And Fabric Finishing And Fabric Coating Mills
1570 .MFG-Carpet And Rug Mills
1590 .MFG-Textile Product Mills, Except Carpet And Rug
1670 .MFG-Knitting Fabric Mills, And Apparel Knitting Mills
1691 .MFG-Cut And Sew, And Apparel Accessories And Other Apparel
1770 .MFG-Footwear
1790 .MFG-Leather And Hide Tanning And Finishing, And Other Leather And Allied Product
1870 .MFG-Pulp, Paper, And Paperboard Mills
1880 .MFG-Paperboard Container
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<th>Description</th>
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<td>1990</td>
<td>MFG-Printing And Related Support Activities</td>
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<tr>
<td>2070</td>
<td>MFG-Petroleum Refining</td>
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<tr>
<td>2090</td>
<td>MFG-Miscellaneous Petroleum And Coal Products</td>
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<tr>
<td>2170</td>
<td>MFG-Resin, Synthetic Rubber, And Fibers And Filaments</td>
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<tr>
<td>2180</td>
<td>MFG-Agricultural Chemical</td>
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<tr>
<td>2190</td>
<td>MFG-Pharmaceutical And Medicine</td>
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<tr>
<td>2270</td>
<td>MFG-Paint, Coating, And Adhesive</td>
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<tr>
<td>2280</td>
<td>MFG-Soap, Cleaning Compound, And Cosmetics</td>
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<tr>
<td>2290</td>
<td>MFG-Industrial And Miscellaneous Chemicals</td>
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<td>2370</td>
<td>MFG-Plastics Product</td>
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<tr>
<td>2380</td>
<td>MFG-Tire</td>
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<td>2390</td>
<td>MFG-Rubber Products, Except Tires</td>
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<tr>
<td>2470</td>
<td>MFG-Pottery, Ceramics, And Plumbing Fixture</td>
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<tr>
<td>2480</td>
<td>MFG-Clay Building Material And Refractories</td>
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<tr>
<td>2490</td>
<td>MFG-Glass And Glass Product</td>
</tr>
<tr>
<td>2570</td>
<td>MFG-Cement, Concrete, Lime, And Gypsum Product</td>
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<tr>
<td>2590</td>
<td>MFG-Miscellaneous Nonmetallic Mineral Product</td>
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<tr>
<td>2670</td>
<td>MFG-Iron And Steel Mills And Steel Product</td>
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<tr>
<td>2680</td>
<td>MFG-Aluminum Production And Processing</td>
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<tr>
<td>2690</td>
<td>MFG-Nonferrous Metal (Except Aluminum) Production And</td>
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<tr>
<td>2770</td>
<td>MFG-Foundries</td>
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<tr>
<td>2780</td>
<td>MFG-Metal Forgings And Stampings</td>
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<tr>
<td>2790</td>
<td>MFG-Cutlery And Hand Tool</td>
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<tr>
<td>2870</td>
<td>MFG-Structural Metals, And Boiler, Tank, And Shipping</td>
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<td>Container</td>
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<tr>
<td>2880</td>
<td>MFG-Machine Shops; Turned Product; Screw, Nut, And Bolt</td>
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<tr>
<td>2890</td>
<td>MFG-Coating, Engraving, Heat Treating, And Allied Activities</td>
</tr>
<tr>
<td>2970</td>
<td>MFG-Ordnance</td>
</tr>
<tr>
<td>2980</td>
<td>MFG-Miscellaneous Fabricated Metal Products</td>
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<tr>
<td>2990</td>
<td>MFG-Not Specified Metal Industries</td>
</tr>
<tr>
<td>3070</td>
<td>MFG-Agricultural Implement</td>
</tr>
<tr>
<td>3080</td>
<td>MFG-Construction, And Mining And Oil And Gas Field</td>
</tr>
<tr>
<td></td>
<td>Machinery</td>
</tr>
<tr>
<td>3095</td>
<td>MFG-Commercial And Service Industry Machinery</td>
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<tr>
<td>3170</td>
<td>MFG-Metalworking Machinery</td>
</tr>
<tr>
<td>3180</td>
<td>MFG-Engine, Turbine, And Power Transmission Equipment</td>
</tr>
<tr>
<td>3291</td>
<td>MFG-Machinery, N.E.C. Or Not Specified</td>
</tr>
<tr>
<td>3365</td>
<td>MFG-Computer And Peripheral Equipment</td>
</tr>
<tr>
<td>3370</td>
<td>MFG-Communications, Audio, And Video Equipment</td>
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<tr>
<td>3380</td>
<td>MFG-Navigational, Measuring, Electromedical, And Control</td>
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<td>Instruments</td>
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<tr>
<td>3390</td>
<td>MFG-Electronic Component And Product, N.E.C.</td>
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<tr>
<td>3470</td>
<td>MFG-Household Appliance</td>
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<tr>
<td>3490</td>
<td>MFG-Electric Lighting And Electrical Equipment, And Other</td>
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<tr>
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<td>Electrical Component, N.E.C.</td>
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<tr>
<td>3570</td>
<td>MFG-Motor Vehicles And Motor Vehicle Equipment</td>
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<tr>
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<td>MFG-Aircraft And Parts</td>
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<td>MFG-Aerospace Products And Parts</td>
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<td>3670</td>
<td>MFG-Railroad Rolling Stock</td>
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<tr>
<td>3680</td>
<td>MFG-Ship And Boat Building</td>
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<tr>
<td>3690</td>
<td>MFG-Other Transportation Equipment</td>
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<tr>
<td>3770</td>
<td>MFG-Sawmills And Wood Preservation</td>
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<tr>
<td>3780</td>
<td>MFG-Veneer, Plywood, And Engineered Wood Products</td>
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<tr>
<td>3790</td>
<td>MFG-Prefabricated Wood Buildings And Mobile Homes</td>
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3875 .MFG-Miscellaneous Wood Products
3895 .MFG-Furniture And Related Product
3960 .MFG-Medical Equipment And Supplies
3970 .MFG-Sporting And Athletic Goods, And Doll, Toy And Game
3980 .MFG-Miscellaneous Manufacturing, N.E.C.
3990 .MFG-Not Specified Manufacturing Industries
4070 .WHL-Motor Vehicle And Motor Vehicle Parts And Supplies
 .Merchant Wholesalers
4080 .WHL-Furniture And Home Furnishing Merchant Wholesalers
4090 .WHL-Lumber And Other Construction Materials Merchant
 .Wholesalers
4170 .WHL-Professional And Commercial Equipment And Supplies
 .Merchant Wholesalers
4180 .WHL-Metals And Minerals, Except Petroleum, Merchant
 .Wholesalers
4195 .WHL-Household Appliances And Electrical And Electronic
 .Goods Merchant Wholesalers
4265 .WHL-Hardware, And Plumbing And Heating Equipment, And
 .Supplies Merchant Wholesalers
4270 .WHL-Machinery, Equipment, And Supplies Merchant Wholesalers
4280 .WHL-Recyclable Material Merchant Wholesalers
4290 .WHL-Miscellaneous Durable Goods Merchant Wholesalers
4370 .WHL-Paper And Paper Products Merchant Wholesalers
4380 .WHL-Drugs, Sundries, And Chemical And Allied Products
 .Merchant Wholesalers
4390 .WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers
4470 .WHL-Grocery And Related Product Merchant Wholesalers
4480 .WHL-Farm Product Raw Material Merchant Wholesalers
4490 .WHL-Petroleum And Petroleum Products Merchant Wholesalers
4560 .WHL-Alcoholic Beverages Merchant Wholesalers
4570 .WHL-Farm Supplies Merchant Wholesalers
4580 .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers
4585 .WHL-Wholesale Electronic Markets And Agents And Brokers
4590 .WHL-Not Specified Wholesale Trade
4670 .RET-Automobile Dealers
4680 .RET-Other Motor Vehicle Dealers
4690 .RET-Automotive Parts, Accessories, And Tire Stores
4770 .RET-Furniture And Home Furnishings Stores
4780 .RET-Household Appliance Stores
4795 .RET-Electronics Stores
4870 .RET-Building Material And Supplies Dealers
4880 .RET-Hardware Stores
4890 .RET-Lawn And Garden Equipment And Supplies Stores
4971 .RET-Supermarkets And Other Grocery (Except Convenience)
 .Stores
4972 .RET-Convenience Stores
4980 .RET-Specialty Food Stores
4990 .RET-Beer, Wine, And Liquor Stores
5070 .RET-Pharmacies And Drug Stores
5080 .RET-Health And Personal Care, Except Drug, Stores
5090 .RET-Gasoline Stations
5170 .RET-Clothing Stores
5180 .RET-Shoe Stores
5190 .RET-Jewelry, Luggage, And Leather Goods Stores
5275 .RET-Sporting Goods, And Hobby And Toy Stores
5280 .RET-Sewing, Needlework, And Piece Goods Stores
5295 .RET-Musical Instrument And Supplies Stores
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<tr>
<td>7190</td>
<td>.FIN-Commercial, Industrial, And Other Intangible Assets</td>
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<td>7270</td>
<td>.PRF-Legal Services</td>
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<tr>
<td>7280</td>
<td>.PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services</td>
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<tr>
<td>7290</td>
<td>.PRF-Architectural, Engineering, And Related Services</td>
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<td>7370</td>
<td>.PRF-Specialized Design Services</td>
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<td>7380</td>
<td>.PRF-Computer Systems Design And Related Services</td>
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<td>7390</td>
<td>.PRF-Management, Scientific, And Technical Consulting Services</td>
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<tr>
<td>7460</td>
<td>.PRF-Scientific Research And Development Services</td>
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<tr>
<td>7470</td>
<td>.PRF-Advertising, Public Relations, And Related Services</td>
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<td>7480</td>
<td>.PRF-Veterinary Services</td>
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<td>7490</td>
<td>.PRF-Other Professional, Scientific, And Technical Services</td>
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<tr>
<td>7570</td>
<td>.PRF-Management Of Companies And Enterprises</td>
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<td>.PRF-Employment Services</td>
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<td>7590</td>
<td>.PRF-Business Support Services</td>
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<tr>
<td>7670</td>
<td>.PRF-Travel Arrangements And Reservation Services</td>
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<td>7680</td>
<td>.PRF-Investigation And Security Services</td>
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<tr>
<td>7690</td>
<td>.PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)</td>
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<tr>
<td>7770</td>
<td>.PRF-Landscaping Services</td>
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<tr>
<td>7780</td>
<td>.PRF-Other Administrative And Other Support Services</td>
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<td>.PRF-Waste Management And Remediation Services</td>
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<td>.EDU-Elementary And Secondary Schools</td>
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<td>.EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges</td>
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<td>.EDU-Business, Technical, And Trade Schools And Training</td>
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<td>.EDU-Other Schools And Instruction, And Educational Support Services</td>
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<td>7970</td>
<td>.MED-Offices Of Physicians</td>
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<td>.MED-Offices Of Dentists</td>
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<td>.MED-Offices Of Optometrists</td>
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<td>8080</td>
<td>.MED-Offices Of Other Health Practitioners</td>
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<td>.MED-Outpatient Care Centers</td>
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<td>.MED-Home Health Care Services</td>
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<td>.MED-Other Health Care Services</td>
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<td>8190</td>
<td>.MED-General Medical And Surgical Hospitals, And Specialty (Except Psychiatric And Substance Abuse) Hospitals</td>
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<tr>
<td>8191</td>
<td>.MED-Psychiatric And Substance Abuse Hospitals</td>
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<tr>
<td>8270</td>
<td>.MED-Nursing Care Facilities (Skilled Nursing Facilities)</td>
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<tr>
<td>8290</td>
<td>.MED-Residential Care Facilities, Except Skilled Nursing Facilities</td>
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<td>.SCA-Individual And Family Services</td>
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<td>8380</td>
<td>.SCA-Community Food And Housing, And Emergency Services</td>
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<td>8390</td>
<td>.SCA-Vocational Rehabilitation Services</td>
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<td>.SCA-Child Day Care Services</td>
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<td>8561</td>
<td>.ENT-Performing Arts Companies</td>
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<td>.ENT-Spectator Sports</td>
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<td>8563</td>
<td>.ENT-Promoters Of Performing Arts, Sports, And Similar Events, Agents And Managers For Artists, Athletes, Entertainers, And Other Public Figures</td>
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<tr>
<td>8564</td>
<td>.ENT-Independent Artists, Writers, And Performers</td>
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<tr>
<td>8570</td>
<td>.ENT-Museums, Art Galleries, Historical Sites, And Similar Institutions</td>
</tr>
<tr>
<td>8580</td>
<td>.ENT-Bowling Centers</td>
</tr>
</tbody>
</table>
8590 .ENT-Other Amusement, Gambling, And Recreation Industries
8660 .ENT-Traveler Accommodation
8670 .ENT-Recreational Vehicle Parks And Camps, And Rooming And .Boarding Houses, Dormitories, And Workers' Camps
8680 .ENT-Restaurants And Other Food Services
8690 .ENT-Drinking Places, Alcoholic Beverages
8770 .SRV-Automotive Repair And Maintenance
8780 .SRV-Car Washes
8790 .SRV-Electronic And Precision Equipment Repair And .Maintenance
8870 .SRV-Commercial And Industrial Machinery And Equipment .Repair And Maintenance
8891 .SRV-Personal And Household Goods Repair And Maintenance
8970 .SRV-Barber Shops
8980 .SRV-Beauty Salons
8990 .SRV-Nail Salons And Other Personal Care Services
9070 .SRV-Drycleaning And Laundry Services
9080 .SRV-Funeral Homes, And Cemeteries And Crematories
9090 .SRV-Other Personal Services
9160 .SRV-Religious Organizations
9170 .SRV-Civic, Social, Advocacy Organizations, And Grantmaking .And Giving Services
9180 .SRV-Labor Unions
9190 .SRV-Business, Professional, Political, And Similar .Organizations
9290 .SRV-Private Households
9370 .ADM-Executive Offices And Legislative Bodies
9380 .ADM-Public Finance Activities
9390 .ADM-Other General Government And Support
9470 .ADM-Justice, Public Order, And Safety Activities
9480 .ADM-Administration Of Human Resource Programs
9490 .ADM-Administration Of Environmental Quality And Housing .Programs
9570 .ADM-Administration Of Economic Programs And Space Research
9590 .ADM-National Security And International Affairs
9670 .MIL-U.S. Army
9680 .MIL-U.S. Air Force
9690 .MIL-U.S. Navy
9770 .MIL-U.S. Marines
9780 .MIL-U.S. Coast Guard
9790 .MIL-Armed Forces, Branch Not Specified
9870 .MIL-Military Reserves Or National Guard
9920 .Unemployed, With No Work Experience In The Last 5 Years Or .Earlier Or Never Worked

**JWAP Character 3**

Time of arrival at work - hour and minute

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

001 .12:00 a.m. to 12:04 a.m.
002 .12:05 a.m. to 12:09 a.m.
003 .12:10 a.m. to 12:14 a.m.
004 .12:15 a.m. to 12:19 a.m.
005 .12:20 a.m. to 12:24 a.m.
006 .12:25 a.m. to 12:29 a.m.
007 .12:30 a.m. to 12:39 a.m.
008 .12:40 a.m. to 12:44 a.m.
009 .12:45 a.m. to 12:49 a.m.
010.12:50 a.m. to 12:59 a.m.
011.1:00 a.m. to 1:04 a.m.
012.1:05 a.m. to 1:09 a.m.
013.1:10 a.m. to 1:14 a.m.
014.1:15 a.m. to 1:19 a.m.
015.1:20 a.m. to 1:24 a.m.
016.1:25 a.m. to 1:29 a.m.
017.1:30 a.m. to 1:34 a.m.
018.1:35 a.m. to 1:39 a.m.
019.1:40 a.m. to 1:44 a.m.
020.1:45 a.m. to 1:49 a.m.
021.1:50 a.m. to 1:59 a.m.
022.2:00 a.m. to 2:04 a.m.
023.2:05 a.m. to 2:09 a.m.
024.2:10 a.m. to 2:14 a.m.
025.2:15 a.m. to 2:19 a.m.
026.2:20 a.m. to 2:24 a.m.
027.2:25 a.m. to 2:29 a.m.
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030.2:40 a.m. to 2:44 a.m.
031.2:45 a.m. to 2:49 a.m.
032.2:50 a.m. to 2:54 a.m.
033.2:55 a.m. to 2:59 a.m.
034.3:00 a.m. to 3:04 a.m.
035.3:05 a.m. to 3:09 a.m.
036.3:10 a.m. to 3:14 a.m.
037.3:15 a.m. to 3:19 a.m.
038.3:20 a.m. to 3:24 a.m.
039.3:25 a.m. to 3:29 a.m.
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043.3:45 a.m. to 3:49 a.m.
044.3:50 a.m. to 3:54 a.m.
045.3:55 a.m. to 3:59 a.m.
046.4:00 a.m. to 4:04 a.m.
047.4:05 a.m. to 4:09 a.m.
048.4:10 a.m. to 4:14 a.m.
049.4:15 a.m. to 4:19 a.m.
050.4:20 a.m. to 4:24 a.m.
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052.4:30 a.m. to 4:34 a.m.
053.4:35 a.m. to 4:39 a.m.
054.4:40 a.m. to 4:44 a.m.
055.4:45 a.m. to 4:49 a.m.
056.4:50 a.m. to 4:54 a.m.
057.4:55 a.m. to 4:59 a.m.
058.5:00 a.m. to 5:04 a.m.
059.5:05 a.m. to 5:09 a.m.
060.5:10 a.m. to 5:14 a.m.
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066.5:40 a.m. to 5:44 a.m.
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7:50 p.m. to 7:54 p.m.
7:55 p.m. to 7:59 p.m.
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<td>Language other than English spoken at home</td>
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| 1260 | Ukrainian        |
| 1262 | Czech            |
| 1263 | Slovak           |
| 1270 | Polish           |
| 1273 | Bulgarian        |
| 1274 | Macedonian       |
| 1275 | Serbocroatian    |
| 1276 | Bosnian          |
| 1277 | Croatian         |
| 1278 | Serbian          |
| 1281 | Lithuanian       |
| 1283 | Latvian          |
| 1288 | Armenian         |
| 1290 | Farsi            |
| 1292 | Dari             |
| 1315 | Kurdish          |
| 1327 | Pashto           |
| 1340 | India N.E.C.     |
| 1350 | Hindi            |
| 1360 | Urdu             |
| 1380 | Bengali          |
| 1420 | Punjabi          |
| 1435 | Konkani          |
| 1440 | Marathi          |
| 1450 | Gujarati         |
| 1500 | Nepali           |
| 1515 | Sindhi           |
| 1525 | Pakistan N.E.C.  |
| 1530 | Sinhala          |
| 1540 | Other Indo-Iranian languages |
| 1564 | Other Indo-European languages |
| 1565 | Finnish          |
| 1582 | Hungarian        |
| 1603 | Georgian         |
| 1652 | Uzbek            |
| 1675 | Turkish          |
| 1690 | Mongolian        |
| 1730 | Telugu           |
| 1737 | Kannada          |
| 1750 | Malayalam        |
| 1765 | Tamil            |
| 1900 | Khmer            |
| 1960 | Vietnamese       |
| 1970 | Chinese          |
| 2000 | Mandarin         |
| 2030 | Min Nan Chinese  |
| 2050 | Cantonese        |
| 2100 | Tibetan          |
| 2160 | Burmese          |
| 2270 | Chin languages   |
| 2350 | Karen languages  |
| 2430 | Thai             |
| 2475 | Lao              |
| 2525 | Iu Mien          |
| 2535 | Hmong            |
| 2560 | Japanese         |
2575 .Korean
2715 .Malay
2770 .Indonesian
2850 .Other languages of Asia
2910 .Filipino
2920 .Tagalog
2950 .Cebuano
3150 .Ilocano
3190 .Other Philippine languages
3220 .Chamorro
3270 .Marshallese
3350 .Chuukese
3420 .Samoan
3500 .Tongan
3570 .Hawaiian
3600 .Other Eastern Malayo-Polynesian languages
4500 .Arabic
4545 .Hebrew
4560 .Assyrian Neo-Aramaic
4565 .Chaldean Neo-Aramaic
4590 .Amharic
4640 .Tigrinya
4750 .Hausa
4830 .Oromo
4840 .Somali
4880 .Other Afro-Asiatic languages
4900 .Nilo-Saharan languages
5150 .Swahili
5345 .Ganda
5365 .Kinyarwanda
5525 .Shona
5645 .Other Bantu languages
5845 .Manding languages
5900 .Other Mande languages
5940 .Fulah
5950 .Wolof
6120 .Akan (incl. Twi)
6205 .Ga
6230 .Gbe languages
6290 .Yoruba
6300 .Edoid languages
6370 .Igbo
6450 .Kru languages
6500 .Other Niger-Congo languages
6795 .Other languages of Africa
6800 .Aleut languages
6839 .Ojibwa
6930 .Apache languages
6933 .Navajo
6936 .Kiowa-Tanoan languages (2016 or earlier)
7019 .Dakota languages
7032 .Muskogean languages
7039 .Keres
7050 .Cherokee
7059 .Zuni (2016 or earlier)
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9999 .Other and unspecified languages

**MIGPUMA Character 5**
Migration PUMA based on 2010 Census definition
bbbbbb .N/A (person less than 1 year old/lived in same house 1 year ago)
000001 .Did not live in the United States or in Puerto Rico one year ago
000002 .Lived in Puerto Rico one year ago and current residence is in the U.S.
00100..70100 .Assigned Migration PUMA. Use with MIGSP.

**MIGSP Character 3**
Migration recode - State or foreign country code
bbbb .N/A (person less than 1 year old/lived in same house 1 year ago)
001 .Alabama/AL
002 .Alaska/AK
004 .Arizona/AZ
005 .Arkansas/AR
006 .California/CA
008 .Colorado/CO
009 .Connecticut/CT
010 .Delaware/DE
011 .District of Columbia/DC
012 .Florida/FL
013 .Georgia/GA
015 .Hawaii/HI
016 .Idaho/ID
017 .Illinois/IL
018 .Indiana/IN
019 .Iowa/IA
020 .Kansas/KS
021 .Kentucky/KY
022 .Louisiana/LA
023 .Maine/ME
024 .Maryland/MD
025 .Massachusetts/MA
026 .Michigan/MI
027 .Minnesota/MN
028 .Mississippi/MS
029 .Missouri/MO
030 .Montana/MT
031 .Nebraska/NE
032 .Nevada/NV
033 .New Hampshire/NH
034 .New Jersey/NJ
035 .New Mexico/NM
036 .New York/NY
037 .North Carolina/NC
038 .North Dakota/ND
039 .Ohio/OH
040 .Oklahoma/OK
041 .Oregon/OR
042 .Pennsylvania/PA
044 .Rhode Island/RI
.South Carolina/SC
.South Dakota/SD
.Tennessee/TN
.Texas/TX
.Utah/UT
.Vermont/VT
.Virginia/VA
.Washington/WA
.West Virginia/WV
.Wisconsin/WI
.Wyoming/WY
.Puerto Rico
.France
.Germany
.Northern Europe, Not Specified
.Eastern Europe, Not Specified
.Western Europe or Other Europe, Not Specified
.Italy
.Spain
.United Kingdom, Excluding England
.England
.Russia
.Ukraine (2017 or later)
.Afghanistan
.China, Hong Kong, Macau and Paracel Islands
.India
.Iraq (2016 or earlier)
.Israel (2017 or later)
.Japan
.Korea
.Nepal
.Pakistan
.Philippines
.Saudi Arabia
.Taiwan
.Thailand
.Turkey
.United Arab Emirates (2017 or later)
.Vietnam
.Eastern Asia, Not Specified
.Western Asia, Not Specified
.South Central Asia or Asia, Not Specified
.Canada
.Mexico
.El Salvador
.Guatemala
.Honduras
.Central America, Not Specified
.Cuba
.Dominican Republic
.Haiti
.Jamaica
.Caribbean and North America, Not Specified
.Brazil
.Colombia
.Ecuador (2017 or later)
.Peru (2017 or later)
### 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

### NAICS 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)
- 11 .AGR-Crop Production
- 112 .AGR-Animal Production And Aquaculture
- 1133 .AGR-Logging
- 113M .AGR-Forestry Except Logging
- 114 .AGR-Fishing, Hunting And Trapping
- 115 .AGR-Support Activities For Agriculture And Forestry
- 211 .EXT-Oil And Gas Extraction
- 2121 .EXT-Coal Mining
- 2122 .EXT-Metal Ore Mining
- 2123 .EXT-Nonmetallic Mineral Mining And Quarrying
- 213 .EXT-Support Activities For Mining
- 2211P .UTL-Electric Power Generation, Transmission And Distribution
- 2212P .UTL-Natural Gas Distribution
- 22132 .UTL-Sewage Treatment Facilities
- 2213M .UTL-Water, Steam, Air-Conditioning, And Irrigation Systems
- 221MP .UTL-Electric And Gas, And Other Combinations
- 22S .UTL-Not Specified Utilities
- 23 .CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)
- 3113 .MFG-Sugar And Confectionery Products
- 3114 .MFG-Fruit And Vegetable Preserving And Specialty Food
- 3115 .MFG-Dairy Product
- 3116 .MFG-Animal Slaughtering And Processing
- 311811 .MFG-Retail Bakeries
- 3118Z .MFG-Bakeries And Tortilla, Except Retail Bakeries
- 311M1 .MFG-Animal Food, Grain And Oilseed Milling
- 311M2 .MFG-Seafood And Other Miscellaneous Foods, N.E.C.
<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>311S</td>
<td>MFG-Not Specified Food Industries</td>
</tr>
<tr>
<td>3121</td>
<td>MFG-Beverage</td>
</tr>
<tr>
<td>3122</td>
<td>MFG-Tobacco</td>
</tr>
<tr>
<td>3131</td>
<td>MFG-Fiber, Yarn, And Thread Mills</td>
</tr>
<tr>
<td>3122Z</td>
<td>MFG-Fabric Mills, Except Knitting Mills</td>
</tr>
<tr>
<td>3133</td>
<td>MFG-Textile And Fabric Finishing And Fabric Coating Mills</td>
</tr>
<tr>
<td>3141</td>
<td>MFG-Carpet And Rug Mills</td>
</tr>
<tr>
<td>3142</td>
<td>MFG-Textile Product Mills, Except Carpet And Rug</td>
</tr>
<tr>
<td>315M</td>
<td>MFG-Cut And Sew, And Apparel Accessories And Other Apparel</td>
</tr>
<tr>
<td>3162</td>
<td>MFG-Footwear</td>
</tr>
<tr>
<td>316M</td>
<td>MFG-Leather And Hide Tanning And Finishing, And Other Leather And Allied Product</td>
</tr>
<tr>
<td>31M</td>
<td>MFG-Knitting Fabric Mills, And Apparel Knitting Mills</td>
</tr>
<tr>
<td>3211</td>
<td>MFG-Sawmills And Wood Preservation</td>
</tr>
<tr>
<td>3212</td>
<td>MFG-Veneer, Plywood, And Engineered Wood Products</td>
</tr>
<tr>
<td>3219M</td>
<td>MFG-Prefabricated Wood Buildings And Mobile Homes</td>
</tr>
<tr>
<td>3219ZM</td>
<td>MFG-Miscellaneous Wood Products</td>
</tr>
<tr>
<td>3221</td>
<td>MFG-Pulp, Paper, And Paperboard Mills</td>
</tr>
<tr>
<td>32221</td>
<td>MFG-Paperboard Container</td>
</tr>
<tr>
<td>3222M</td>
<td>MFG-Miscellaneous Paper And Pulp Products</td>
</tr>
<tr>
<td>3231</td>
<td>MFG-Printing And Related Support Activities</td>
</tr>
<tr>
<td>3241M</td>
<td>MFG-Miscellaneous Petroleum And Coal Products</td>
</tr>
<tr>
<td>32411</td>
<td>MFG-Petroleum Refining</td>
</tr>
<tr>
<td>3252</td>
<td>MFG-Resin, Synthetic Rubber, And Fibers And Filaments</td>
</tr>
<tr>
<td>3253</td>
<td>MFG-Agricultural Chemical</td>
</tr>
<tr>
<td>3254</td>
<td>MFG-Pharmaceutical And Medicine</td>
</tr>
<tr>
<td>3255</td>
<td>MFG-Paint, Coating, And Adhesive</td>
</tr>
<tr>
<td>3256</td>
<td>MFG-Soap, Cleaning Compound, And Cosmetics</td>
</tr>
<tr>
<td>325M</td>
<td>MFG-Industrial And Miscellaneous Chemicals</td>
</tr>
<tr>
<td>3261</td>
<td>MFG-Plastics Product</td>
</tr>
<tr>
<td>32621</td>
<td>MFG-Tire</td>
</tr>
<tr>
<td>3262M</td>
<td>MFG-Rubber Products, Except TIres</td>
</tr>
<tr>
<td>32711</td>
<td>MFG-Pottery, Ceramics, And Plumbing Fixture</td>
</tr>
<tr>
<td>327120</td>
<td>MFG-Clay Building Material And Refractories</td>
</tr>
<tr>
<td>3272</td>
<td>MFG-Glass And Glass Product</td>
</tr>
<tr>
<td>3279</td>
<td>MFG-Miscellaneous Nonmetallic Mineral Product</td>
</tr>
<tr>
<td>327M</td>
<td>MFG-Cement, Concrete, Lime, And Gypsum Product</td>
</tr>
<tr>
<td>3313</td>
<td>MFG-Aluminum Production And Processing</td>
</tr>
<tr>
<td>3314</td>
<td>MFG-Nonferrous Metal (Except Aluminum) Production And Processing</td>
</tr>
<tr>
<td>3315</td>
<td>MFG-Foundries</td>
</tr>
<tr>
<td>331M</td>
<td>MFG-Iron And Steel Mills And Steel Product</td>
</tr>
<tr>
<td>3321</td>
<td>MFG-Metal Forgings And Stampings</td>
</tr>
<tr>
<td>3322</td>
<td>MFG-Cutlery And Hand Tool</td>
</tr>
<tr>
<td>3327</td>
<td>MFG-Machine Shops; Turned Product; Screw, Nut, And Bolt</td>
</tr>
<tr>
<td>3328</td>
<td>MFG-Coating, Engraving, Heat Treating, And Allied Activities</td>
</tr>
<tr>
<td>3329M</td>
<td>MFG-Ordnance</td>
</tr>
<tr>
<td>332M</td>
<td>MFG-Structural Metals, And Boiler, Tank, And Shipping Container</td>
</tr>
<tr>
<td>332MZ</td>
<td>MFG-Miscellaneous Fabricated Metal Products</td>
</tr>
<tr>
<td>3331</td>
<td>MFG-Agricultural Implement</td>
</tr>
<tr>
<td>3331M</td>
<td>MFG-Construction, And Mining And Oil And Gas Field Machinery</td>
</tr>
<tr>
<td>3333</td>
<td>MFG-Commercial And Service Industry Machinery</td>
</tr>
</tbody>
</table>
442 .RET-Furniture And Home Furnishings Stores
443141 .RET-Household Appliance Stores
443142 .RET-Electronics Stores
4443 .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
45221 .RET-Book Stores And News Dealers
45222 .RET-Department Stores
4523 .RET-General Merchandise Stores, Including Warehouse Clubs and Supercenters
4531 .RET-Florists
45321 .RET-Office Supplies And Stationery Stores
45322 .RET-Gift, Novelty, And Souvenir Shops
4533 .RET-Used Merchandise Stores
4539 .RET-Miscellaneous Retail Stores
454110 .RET-Electronic Shopping And Mail-Order Houses
4542 .RET-Vending Machine Operators
454310 .RET-Fuel Dealers
45439 .RET-Other Direct Selling Establishments
4MS .RET-Not Specified Retail Trade
481 .TRN-Air Transportation
482 .TRN-Rail Transportation
483 .TRN-Water Transportation
484 .TRN-Truck Transportation
4853 .TRN-Taxi And Limousine Service
485M .TRN-Bus Service And Urban Transit
486 .TRN-Pipeline Transportation
487 .TRN-Scenic And Sightseeing Transportation
488 .TRN-Services Incidental To Transportation
491 .TRN-Postal Service
492 .TRN-Couriers And Messengers
493 .TRN-Warehousing And Storage
51111 .INF-Newspaper Publishers
51112 .INF-Periodical, Book, And Directory Publishers
5112 .INF-Software Publishers
5121 .INF-Motion Pictures And Video Industries
5122 .INF-Sound Recording Industries
515 .INF-Broadcasting (Except Internet)
517311 .INF-Wired Telecommunications Carriers
517Z .INF-Telecommunications, Except Wired Telecommunications Carriers
5182 .INF-Data Processing, Hosting, And Related Services
51912 .INF-Libraries And Archives
6214 .MED-Outpatient Care Centers
6216 .MED-Home Health Care Services
621M .MED-Other Health Care Services
622M .MED-General Medical And Surgical Hospitals, And Specialty (Except Psychiatric And Substance Abuse) Hospitals
6222 .MED-Psychiatric And Substance Abuse Hospitals
6231 .MED-Nursing Care Facilities (Skilled Nursing Facilities)
623M .MED-Residential Care Facilities, Except Skilled Nursing Facilities
6241 .SCA-Individual And Family Services
6242 .SCA-Community Food And Housing, And Emergency Services
6243 .SCA-Vocational Rehabilitation Services
6244 .SCA-Child Day Care Services
7111 .ENT-Performing Arts Companies
7112 .ENT-Spectator Sports
711M .ENT-Promoters Of Performing Arts, Sports, And Similar Events, Agents And Managers For Artists, Athletes, Entertainers, And Other Public Figures
7115 .ENT-Independent Artists, Writers, And Performers
712 .ENT-Museums, Art Galleries, Historical Sites, And Similar Institutions
71395 .ENT-Bowling Centers
713Z .ENT-Other Amusement, Gambling, And Recreation Industries
7211 .ENT-Traveler Accommodation
721M .ENT-Recreational Vehicle Parks And Camps, And Rooming And Boarding Houses, Dormitories, And Workers' Camps
7224 .ENT-Drinking Places, Alcoholic Beverages
722Z .ENT-Restaurants And Other Food Services
811192 .SRV-Car Washes
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
812111 .SRV-Barber Shops
812112 .SRV-Beauty Salons
8121M .SRV-Nail Salons And Other Personal Care Services
8122 .SRV-Funeral Homes, And Cemeteries And Crematories
8123 .SRV-Drycleaning And Laundry Services
8129 .SRV-Other Personal Services
8131 .SRV-Religious Organizations
81393 .SRV-Labor Unions
8139Z .SRV-Business, Professional, Political, And Similar Organizations
813M .SRV-Civic, Social, Advocacy Organizations, And Grantmaking And Giving Services
814 .SRV-Private Households
92113 .ADM-Public Finance Activities
92119 .ADM-Other General Government And Support
9211MP .ADM-Executive Offices And Legislative Bodies
923 .ADM-Administration Of Human Resource Programs
928110P1 .MIL-U.S. Army
928110P2 .MIL-U.S. Air Force
928110P3 .MIL-U.S. Navy
928110P4 .MIL-U.S. Marines
928110P5 .MIL-U.S. Coast Guard
928110P6 .MIL-Armed Forces, Branch Not Specified
928110P7 .MIL-Military Reserves Or National Guard
928P .ADM-National Security And International Affairs
92M1 .ADM-Administration Of Environmental Quality And Housing Programs
92M2 .ADM-Administration Of Economic Programs And Space Research
92MP .ADM-Justice, Public Order, And Safety Activities
999920 .Unemployed, With No Work Experience In The Last 5 Years Or Earlier Or Never Worked

NATIVITY Character 1
Nativity
1 .Native
2 .Foreign born

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

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

OCCP Character 4
Occupation recode for 2018 and later based on 2018 OCC codes
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
2545 .EDU-Teaching Assistants
2555 .EDU-Other Educational Instruction And Library Workers
2600 .ENT-Artists And Related Workers
2631 .ENT-Commercial And Industrial Designers
2632 .ENT-Fashion Designers
2633 .ENT-Floral Designers
2634 .ENT-Graphic Designers
2635 .ENT-Interior Designers
2636 .ENT-Merchandise Displayers And Window Trimmers
2640 .ENT-Other Designers
2700 .ENT-Actors
2710 .ENT-Producers And Directors
2721 .ENT-Athletes and Sports Competitors
2722 .ENT-Coaches and Scouts
2723 .ENT-Umpires, Referees, And Other Sports Officials
2740 .ENT-Dancers And Choreographers
2751 .ENT-Music Directors and Composers
2752 .ENT-Musicians and Singers
2755 .ENT-Disc Jockeys, Except Radio
2770 .ENT-Entertainers And Performers, Sports and Related Workers, All Other
2805 .ENT-Broadcast Announcers And Radio Disc Jockeys
2810 .ENT-News Analysts, Reporters, And Journalists
2825 .ENT-Public Relations Specialists
2830 .ENT-Editors
2840 .ENT-Technical Writers
2850 .ENT-Writers And Authors
2861 .ENT-Interpreters and Translators
2862 .ENT-Court Reporters and Simultaneous Captioners
2865 .ENT-Media And Communication Workers, All Other
2905 .ENT-Other Media And Communication Equipment Workers
2910 .ENT-Photographers
2920 .ENT-Television, Video, And Film Camera Operators And .Editors
3000 .MED-Chiropractors
3010 .MED-Dentists
3030 .MED-Dietitians And Nutritionists
3040 .MED-Optometrists
3050 .MED-Physicians
3100 .MED-Surgeons
3110 .MED-Physician Assistants
3120 .MED-Podiatrists
3140 .MED-Audiologists
3150 .MED-Occupational Therapists
3160 .MED-Physical Therapists
3200 .MED-Radiation Therapists
3210 .MED-Recreational Therapists
3220 .MED-Respiratory Therapists
3230 .MED-Speech-Language Pathologists
3245 .MED-Other Therapists
3250 .MED-Veterinarians
3255 .MED-Registered Nurses
3256 .MED-Nurse Anesthetists
3258 .MED-Nurse Practitioners, And Nurse Midwives
3261 .MED-Acupuncturists
3270 .MED-Healthcare Diagnosing Or Treating Practitioners, All .Other
3300 .MED-Clinical Laboratory Technologists And Technicians
3310 .MED-Dental Hygienists
3321 .MED-Cardiovascular Technologists and Technicians
3322 .MED-Diagnostic Medical Sonographers
3323 .MED-Radiologic Technologists And Technicians
3324 .MED-Magnetic Resonance Imaging Technologists
3330 .MED-Nuclear Medicine Technologists and Medical Dosimetrist
3401 .MED-Emergency Medical Technician
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-Med-Miscellaneous Health Technologists and Technicians
3550 .MED-Other Healthcare Practitioners and Technical .Occupations
3601 .HLS-Home Health Aides
3602 .HLS-Personal Care Aides
3603 .HLS-Nursing Assistants
3605 .HLS-Orderlies and Psychiatric Aides
3610 .HLS-Occupational Therapy Assistants And Aides
3620 .HLS-Physical Therapist Assistants And Aides
3630 .HLS-Massage Therapists
3640 .HLS-Dental Assistants
3645 .HLS-Medical Assistants
3646 .HLS-Medical Transcriptionists
3647 .HLS-Pharmacy Aides
3648 .HLS-Veterinary Assistants And Laboratory Animal Caretakers
3649 .HLS-Phlebotomists
3655 .HLS-Other Healthcare Support Workers
3700 .PRT-First-Line Supervisors Of Correctional Officers
3710 .PRT-First-Line Supervisors Of Police And Detectives
3720 .PRT-First-Line Supervisors Of Firefighting And Prevention Workers
3725 .PRT-Miscellaneous First-Line Supervisors, Protective Service Workers
3740 .PRT-Firefighters
3750 .PRT-Fire Inspectors
3801 .PRT-Bailiffs
3802 .PRT-Correctional Officers and Jailers
3820 .PRT-Detectives And Criminal Investigators
3840 .PRT-Fish And Game Wardens And Parking Enforcement Officers
3870 .PRT-Police Officers
3900 .PRT-Animal Control Workers
3910 .PRT-Private Detectives And Investigators
3930 .PRT-Security Guards And Gambling Surveillance Officers
3940 .PRT-Crossing Guards And Flaggers
3945 .PRT-Transportation Security Screeners
3946 .PRT-School Bus Monitors
3960 .PRT-Other Protective Service Workers
4000 .EAT-Chefs And Head Cooks
4010 .EAT-First-Line Supervisors Of Food Preparation And Serving Workers
4020 .EAT-Cooks
4030 .EAT-Food Preparation Workers
4040 .EAT-Bartenders
4055 .EAT-Fast Food And Counter Workers
4110 .EAT-Waiters And Waitresses
4120 .EAT-Food Servers, Nonrestaurant
4130 .EAT-Dining Room And Cafeteria Attendants And Bartender Helpers
4140 .EAT-Dishwashers
4150 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee Shop
4160 .EAT-Food Preparation and Serving Related Workers, All Other
4200 .CLN-First-Line Supervisors Of Housekeeping And Janitorial Workers
4210 .CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers
4220 .CLN-Janitors And Building Cleaners
4230 .CLN-Maids And Housekeeping Cleaners
4240 .CLN-Pest Control Workers
4251 .CLN-Landscaping And Groundskeeping Workers
4252 .CLN-Tree Trimmers and Pruners
4255 .CLN-Other Grounds Maintenance Workers
4330 .PRS-Supervisors Of Personal Care And Service Workers
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>4340</td>
<td>.PRS-Animal Trainers</td>
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<td>4350</td>
<td>.PRS-Animal Caretakers</td>
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<tr>
<td>4400</td>
<td>.PRS-Gambling Services Workers</td>
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<tr>
<td>4420</td>
<td>.PRS-Ushers, Lobby Attendants, And Ticket Takers</td>
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<tr>
<td>4435</td>
<td>.PRS-Other Entertainment Attendants And Related Workers</td>
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<tr>
<td>4461</td>
<td>.PRS-Embalmers, Crematory Operators And Funeral Attendants</td>
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<td>4465</td>
<td>.PRS-Morticians, Undertakers, And Funeral Arrangers</td>
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<tr>
<td>4500</td>
<td>.PRS-Barbers</td>
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<tr>
<td>4510</td>
<td>.PRS-Hairdressers, Hairstylists, And Cosmetologists</td>
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<td>4521</td>
<td>.PRS-Manicurists And Pedicurists</td>
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<td>4522</td>
<td>.PRS-Skincare Specialists</td>
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<td>4525</td>
<td>.PRS-Other Personal Appearance Workers</td>
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<td>4530</td>
<td>.PRS-Baggage Porters, Bellhops, And Concierges</td>
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<td>.PRS-Tour And Travel Guides</td>
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<td>4621</td>
<td>.PRS-Exercise Trainers And Group Fitness Instructors</td>
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<td>.SAL-First-Line Supervisors Of Non-Retail Sales Workers</td>
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<td>.SAL-Counter And Rental Clerks</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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5310 .OFF-Interviewers, Except Eligibility And Loan
5320 .OFF-Library Assistants, Clerical
5330 .OFF-Loan Interviewers And Clerks
5340 .OFF-New Accounts Clerks
5350 .OFF-Correspondence Clerks And Order Clerks
5360 .OFF-Human Resources Assistants, Except Payroll And .Timekeeping
5400 .OFF-Receptionists And Information Clerks
5410 .OFF-Reservation And Transportation Ticket Agents And Travel .Clerks
5420 .OFF-Other Information And Records Clerks
5500 .OFF-Cargo And Freight Agents
5510 .OFF-Couriers And Messengers
5521 .OFF-Public Safety Telecommunicators
5522 .OFF-Dispatchers, Except Police, Fire, And Ambulance
5530 .OFF-Meter Readers, Utilities
5540 .OFF-Postal Service Clerks
5550 .OFF-Postal Service Mail Carriers
5560 .OFF-Postal Service Mail Sorters, Processors, And Processing .Machine Operators
5600 .OFF-Production, Planning, And Expediting Clerks
5610 .OFF-Shipping, Receiving, And Inventory Clerks
5630 .OFF-Weighers, Measure, Checkers, And Samplers, And Recordkeeping
5710 .OFF-Executive Secretaries And Executive Administrative .Assistants
5720 .OFF-Legal Secretaries And Administrative Assistants
5730 .OFF-Medical Secretaries And Administrative Assistants
5740 .OFF-Secretaries And Administrative Assistants, Except .Legal, Medical, And Executive
5810 .OFF-Data Entry Keyers
5820 .OFF-Word Processors And Typists
5840 .OFF-Insurance Claims And Policy Processing Clerks
5850 .OFF-Mail Clerks And Mail Machine Operators, Except Postal .Service
5860 .OFF-Office Clerks, General
5900 .OFF-Office Machine Operators, Except Computer
5910 .OFF-Proofreaders And Copy Markers
5920 .OFF-Statistical Assistants
5940 .OFF-Other Office And Administrative Support Workers
6005 .FFF-First-Line Supervisors Of Farming, Fishing, And .Forestry Workers
6010 .FFF-Agricultural Inspectors
6040 .FFF-Graders And Sorters, Agricultural Products
6050 .FFF-Other Agricultural Workers
6115 .FFF-Fishing And Hunting Workers
6120 .FFF-Forest And Conservation Workers
6130 .FFF-Logging Workers
6200 .CON-First-Line Supervisors Of Construction Trades And .Extraction Workers
6210 .CON-Boilermakers
6220 .CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing .Iron And Rebar Workers
6230 .CON-Carpenters
6240 .CON-Carpet, Floor, And Tile Installers And Finishers
6250 .CON-Cement Masons, Concrete Finishers, And Terrazzo Workers
6260 .CON-Construction Laborers
6305 .CON-Construction Equipment Operators
6330 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers
6355 .CON-Electricians
6400 .CON-Insulation Workers
6410 .CON-Painters and Paperhangers
6441 .CON-Pipelayers
6442 .CON-Plumbers, Pipefitters, And Steamfitters
6460 .CON-Plasterers And Stucco Masons
6515 .CON-Roofers
6520 .CON-Sheet Metal Workers
6530 .CON-Structural Iron And Steel Workers
6540 .CON-Solar Photovoltaic Installers
6600 .CON-Helpers, Construction Trades
6660 .CON-Construction And Building Inspectors
6700 .CON-Elevator and Escalator Installers And Repairers
6710 .CON-Fence Erectors
6720 .CON-Hazardous Materials Removal Workers
6730 .CON-Highway Maintenance Workers
6740 .CON-Rail-Track Laying And Maintenance Equipment Operators
6765 .CON-Other Construction And Related Workers
6800 .EXT-Derrick, Rotary Drill, And Service Unit Operators, And .Roustabouts, Oil And Gas
6825 .EXT-Surface Mining Machine Operators And Earth Drillers
6835 .EXT-Explosives Workers, Ordnance Handling Experts, and .Blasters
6850 .EXT-Underground Mining Machine Operators
6950 .EXT-Other Extraction Workers
7000 .RPR-First-Line Supervisors Of Mechanics, Installers, And .Repairers
7010 .RPR-Computer, Automated Teller, And Office Machine .Repairers
7020 .RPR-Radio And Telecommunications Equipment Installers And .Repairers
7030 .RPR-Avionics Technicians
7040 .RPR-Electric Motor, Power Tool, And Related Repairers
7100 .RPR-Other Electrical And Electronic Equipment Mechanics, .Installers, And Repairers
7120 .RPR-Audiovisual Equipment Installers And Repairers
7130 .RPR-Security And Fire Alarm Systems Installers
7140 .RPR-Aircraft Mechanics And Service Technicians
7150 .RPR-Automotive Body And Related Repairers
7160 .RPR-Automotive Glass Installers And Repairers
7200 .RPR-Automotive Service Technicians And Mechanics
7210 .RPR-Bus And Truck Mechanics And Diesel Engine Specialists
7220 .RPR-Heavy Vehicle And Mobile Equipment Service Technicians .And Mechanics
7240 .RPR-Small Engine Mechanics
7260 .RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics, .Installers, And Repairers
7300 .RPR-Control And Valve Installers And Repairers
7315 .RPR-Heating, Air Conditioning, And Refrigeration Mechanics .And Installers
7320 .RPR-Home Appliance Repairers
7330 .RPR-Industrial And Refractory Machinery Mechanics
7340 .RPR-Maintenance And Repair Workers, General
7350 .RPR-Maintenance Workers, Machinery
7360 .RPR-Millwrights
7410 .RPR-Electrical Power-Line Installers And Repairers
7420 .RPR-Telecommunications Line Installers And Repairers
7430 .RPR-Precision Instrument And Equipment Repairers
7510 .RPR-Coin, Vending, And Amusement Machine Servicers And Repairers
7540 .RPR-Locksmiths And Safe Repairers
7560 .RPR-Riggers
7610 .RPR-Helpers--Installation, Maintenance, And Repair Workers
7640 .RPR-Other Installation, Maintenance, And Repair Workers
7700 .PRD-First-Line Supervisors Of Production And Operating Workers
7720 .PRD-Electrical, Electronics, And Electromechanical Assemblers
7730 .PRD-Engine And Other Machine Assemblers
7740 .PRD-Structural Metal Fabricators And Fitters
7750 .PRD-Other Assemblers And Fabricators
7800 .PRD-Bakers
7810 .PRD-Butchers And Other Meat, Poultry, And Fish Processing Workers
7830 .PRD-Food And Tobacco Roasting, Baking, And Drying Machine Operators And Tenders
7840 .PRD-Food Batchmakers
7850 .PRD-Food Cooking Machine Operators And Tenders
7855 .PRD-Food Processing Workers, All Other
7905 .PRD-Computer Numerically Controlled Tool Operators And Programmers
7925 .PRD-Forming Machine Setters, Operators, And Tenders, Metal And Plastic
7950 .PRD-Cutting, Punching, And Press Machine Setters, Operators, And Tenders, Metal And Plastic
8000 .PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool Setters, Operators, And Tenders, Metal And Plastic
8025 .PRD-Other Machine Tool Setters, Operators, And Tenders, Metal and Plastic
8030 .PRD-Machinists
8040 .PRD-Metal Furnace Operators, Tenders, Pourers, And Casters
8100 .PRD-Model Makers, Patternmakers, And Molding Machine Setters, Metal And Plastic
8130 .PRD-Tool And Die Makers
8140 .PRD-Welding, Soldering, And Brazing Workers
8225 .PRD-Other Metal Workers And Plastic Workers
8250 .PRD-Prepress Technicians And Workers
8255 .PRD-Printing Press Operators
8256 .PRD-Print Binding And Finishing Workers
8300 .PRD-Laundry And Dry-Cleaning Workers
8310 .PRD-Pressers, Textile, Garment, And Related Materials
8320 .PRD-Sewing Machine Operators
8335 .PRD-Shoe And Leather Workers
8350 .PRD-Tailors, Dressmakers, And Sewers
8365 .PRD-Textile Machine Setters, Operators, And Tenders
8450 .PRD-Upholsterers
8465 .PRD-Other Textile, Apparel, And Furnishings Workers
8500 .PRD-Cabinetmakers And Bench Carpenters
8510 .PRD-Furniture Finishers
8530 .PRD-Sawing Machine Setters, Operators, And Tenders, Wood
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<tr>
<th>PRD</th>
<th>Occupation Description</th>
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<tbody>
<tr>
<td>8540</td>
<td>Woodworking Machine Setters, Operators, And Tenders, Except Sawing</td>
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<tr>
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<td>Other Woodworkers</td>
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<tr>
<td>8600</td>
<td>Power Plant Operators, Distributors, And Dispatchers</td>
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<td>8610</td>
<td>Stationary Engineers And Boiler Operators</td>
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<tr>
<td>8620</td>
<td>Water And Wastewater Treatment Plant And System Operators</td>
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<tr>
<td>8630</td>
<td>Miscellaneous Plant And System Operators</td>
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<tr>
<td>8640</td>
<td>Chemical Machine Setters, Operators, And Tenders</td>
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<tr>
<td>8650</td>
<td>Crushing, Grinding, Polishing, Mixing, And Blending Workers</td>
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<td>8710</td>
<td>Cutting Workers</td>
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<tr>
<td>8720</td>
<td>Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders</td>
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<td>8730</td>
<td>Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders</td>
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<tr>
<td>8740</td>
<td>Inspectors, Testers, Sorters, Samplers, And Weighers</td>
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<tr>
<td>8750</td>
<td>Jewelers And Precious Stone And Metal Workers</td>
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<tr>
<td>8760</td>
<td>Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians</td>
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<tr>
<td>8800</td>
<td>Packaging And Filling Machine Operators And Tenders</td>
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<td>8810</td>
<td>Painting Workers</td>
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<td>8830</td>
<td>Photographic Process Workers And Processing Machine Operators</td>
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<td>8850</td>
<td>Adhesive Bonding Machine Operators And Tenders</td>
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<td>Etchers And Engravers</td>
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<td>8920</td>
<td>Molders, Shapers, And Casters, Except Metal And Plastic</td>
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<td>8930</td>
<td>Paper Goods Machine Setters, Operators, And Tenders</td>
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<td>8940</td>
<td>Tire Builders</td>
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<td>Helpers--Production Workers</td>
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<td>8990</td>
<td>Miscellaneous Production Workers, Including Equipment Operators And Tenders</td>
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<td>9005</td>
<td>Supervisors Of Transportation And Material Moving Workers</td>
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<td>9030</td>
<td>Aircraft Pilots And Flight Engineers</td>
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<tr>
<td>9040</td>
<td>Air Traffic Controllers And Airfield Operations Specialists</td>
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<td>9050</td>
<td>Flight Attendants</td>
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<td>9110</td>
<td>Ambulance Drivers And Attendants, Except Emergency Medical Technicians</td>
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<td>9121</td>
<td>Bus Drivers, School</td>
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<td>9122</td>
<td>Bus Drivers, Transit And Intercity</td>
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<td>9130</td>
<td>Driver/Sales Workers And Truck Drivers</td>
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<td>Shuttle Drivers And Chauffeurs</td>
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<td>Taxi Drivers</td>
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<td>9150</td>
<td>Motor Vehicle Operators, All Other</td>
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<td>9210</td>
<td>Locomotive Engineers And Operators</td>
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<td>9240</td>
<td>Railroad Conductors And Yardmasters</td>
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<td>9265</td>
<td>Other Rail Transportation Workers</td>
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<td>9300</td>
<td>Sailors And Marine Oilers, And Ship Engineers</td>
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<td>Ship And Boat Captains And Operators</td>
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<td>Passenger Attendants</td>
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<td>Other Transportation Workers</td>
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</table>
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)
bbbbb .N/A (less than 15 years old)
0 .No earnings
-10000 .Loss of $10000 or more (Rounded and bottom-coded components)
-9999..-1 .Loss $1 to $9999 (Rounded components)
1..1999998 .$1 to $1999998(Rounded and top-coded components)

PINCP  Numeric  7
Total person's income (signed, use ADJINC to adjust to constant dollars)
bbbbb .N/A (less than 15 years old)
0 .None
-019998 .Loss of $19998 or more (Rounded and bottom-coded components)
-19997..-1 .Loss $1 to $19997 (Rounded components)
1..4209995 .$1 to $4209995(Rounded and top-coded components)

POBP  Character  3
Place of birth (Recode)
001 .Alabama/AL
002 .Alaska/AK
004 .Arizona/AZ
005 .Arkansas/AR
006 .California/CA
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<tr>
<td>Denmark</td>
<td></td>
</tr>
</tbody>
</table>

99
217 .Korea
218 .Kazakhstan
219 .Kyrgyzstan (2017 or later)
222 .Kuwait
223 .Laos
224 .Lebanon
226 .Malaysia
228 .Mongolia (2017 or later)
229 .Nepal
231 .Pakistan
233 .Philippines
235 .Saudi Arabia
236 .Singapore
238 .Sri Lanka
239 .Syria
240 .Taiwan
242 .Thailand
243 .Turkey
245 .United Arab Emirates
246 .Uzbekistan
247 .Vietnam
248 .Yemen
249 .Asia
253 .South Central Asia, Not Specified
254 .Other Asia, Not Specified
300 .Bermuda
301 .Canada
303 .Mexico
310 .Belize
311 .Costa Rica
312 .El Salvador
313 .Guatemala
314 .Honduras
315 .Nicaragua
316 .Panama
321 .Antigua and Barbuda
323 .Bahamas
324 .Barbados
327 .Cuba
328 .Dominica
329 .Dominican Republic
330 .Grenada
332 .Haiti
333 .Jamaica
338 .St. Kitts-Nevis (2017 or later)
339 .St. Lucia
340 .St. Vincent and the Grenadines
341 .Trinidad and Tobago
343 .West Indies
344 .Caribbean, Not Specified
360 .Argentina
361 .Bolivia
362 .Brazil
363 .Chile
364 .Colombia
365 .Ecuador
368 .Guyana
POVPIP  Numeric  3
Income-to-poverty ratio recode

bbb  N/A (individuals who are under 15 and are either living in a housing unit but are unrelated to the householder or are living in select group quarters)

0..500  Below 501 percent
501  .501 percent or more
POWPUMA Character 5
Place of work PUMA based on 2010 Census definitions
bbbbb .N/A (not a worker-not in the labor force, including
.persons under 16 years; unemployed; civilian
.employed, with a job not at work; Armed Forces,
.with a job but not at work)
00001 .Did not work in the United States or in Puerto Rico
00100 ..70100 .Assigned Place of work PUMA. Use with POWSP.

POWSP Character 3
Place of work - State or foreign country recode
bbb .N/A (not a worker-not in the labor force, including persons
.under 16 years; unemployed; employed, with a job not at
.work; Armed Forces, with a job but not at work)
001 .Alabama/AL
002 .Alaska/AK
004 .Arizona/AZ
005 .Arkansas/AR
006 .California/CA
008 .Colorado/CO
009 .Connecticut/CT
010 .Delaware/DE
011 .District of Columbia/DC
012 .Florida/FL
013 .Georgia/GA
015 .Hawaii/HI
016 .Idaho/ID
017 .Illinois/IL
018 .Indiana/IN
019 .Iowa/IA
020 .Kansas/KS
021 .Kentucky/KY
022 .Louisiana/LA
023 .Maine/ME
024 .Maryland/MD
025 .Massachusetts/MA
026 .Michigan/MI
027 .Minnesota/MN
028 .Mississippi/MS
029 .Missouri/MO
030 .Montana/MT
031 .Nebraska/NE
032 .Nevada/NV
033 .New Hampshire/NH
034 .New Jersey/NJ
035 .New Mexico/NM
036 .New York/NY
037 .North Carolina/NC
038 .North Dakota/ND
039 .Ohio/oh
040 .Oklahoma/OK
041 .Oregon/OR
042 .Pennsylvania/PA
044 .Rhode Island/RI
045 .South Carolina/SC
046 .South Dakota/SD
047 .Tennessee/TN
048 .Texas/TX
049 .Utah/UT
050 .Vermont/VT
051 .Virginia/VA
053 .Washington/WA
054 .West Virginia/WV
055 .Wisconsin/WI
056 .Wyoming/WY
072 .Puerto Rico
166 .Europe
251 .Eastern Asia
254 .Other Asia, Not Specified
301 .Canada
303 .Mexico
399 .Americas, Not Specified
555 .Other US Island Areas Not Specified, Africa, Oceania, at Sea, or Abroad, Not Specified

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

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

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

RAC1P Character 1
Recoded detailed race code
1 .White alone
2 .Black or African American alone
3 .American Indian alone
4 .Alaska Native alone
5 .American Indian and Alaska Native tribes specified; or .American Indian or Alaska Native, not specified and no other .races
6 .Asian alone
7 .Native Hawaiian and Other Pacific Islander alone
8 .Some Other Race alone
9 .Two or More Races

RAC2P Character 2
Recoded detailed race code
01 .White alone
02 .Black or African American alone
03 .Apache alone
04 .Blackfeet alone
05 .Cherokee alone
06 .Cheyenne alone
07 .Chickasaw alone
08 .Chippewa alone
09 .Choctaw alone
10 .Comanche alone
11 .Creek alone
12 .Crow alone
13 .Hopi alone
14 .Iroquois alone
15 .Lumbee alone
16 .Mexican American Indian alone
17 .Navajo alone
18 .Pima alone
19 .Potawatomi alone
20 .Pueblo alone
21 .Puget Sound Salish alone
23 .Sioux alone
24 .South American Indian alone
25 .Tohono O'Odham alone
26 .Yaqui alone
27 .Other specified American Indian tribes alone
28 .All other specified American Indian tribe combinations
29 .American Indian, tribe not specified
30 .Alaskan Athabascan alone
31 .Tlingit-Haida alone
32 .Inupiat alone
33 .Yup'ik alone
34 .Aleut alone
35 .Other Alaska Native
36 .Other American Indian and Alaska Native specified
37 .American Indian and Alaska Native, not specified
38 .Asian Indian alone
39 .Bangladeshi alone
40 .Bhutanese alone
41 .Burmese alone
42 .Cambodian alone
43 .Chinese, except Taiwanese, alone
44 .Taiwanese alone
45 .Filipino alone
46 .Hmong alone
47 .Indonesian alone
48 .Japanese alone
49 .Korean alone
50 .Laotian alone
51 .Malaysian alone
52 .Mongolian alone
53 .Nepalese alone
54 .Pakistani alone
55 .Sri Lankan alone
56 .Thai alone
57 .Vietnamese alone
58 .Other Asian alone
59 .All combinations of Asian races only
60 .Native Hawaiian alone
61 .Samoaan alone
62 .Tongan alone
63 .Chamorro alone
<table>
<thead>
<tr>
<th>RAC3P Character 3</th>
<th>Recoded detailed race code</th>
</tr>
</thead>
<tbody>
<tr>
<td>001 .White alone</td>
<td></td>
</tr>
<tr>
<td>002 .Black or African American alone</td>
<td></td>
</tr>
<tr>
<td>003 .American Indian and Alaska Native alone</td>
<td></td>
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<tr>
<td>004 .Asian Indian alone</td>
<td></td>
</tr>
<tr>
<td>005 .Chinese alone</td>
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</tr>
<tr>
<td>006 .Filipino alone</td>
<td></td>
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<tr>
<td>007 .Japanese alone</td>
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</tr>
<tr>
<td>008 .Korean alone</td>
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<tr>
<td>009 .Vietnamese alone</td>
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</tr>
<tr>
<td>010 .Other Asian alone</td>
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</tr>
<tr>
<td>011 .Native Hawaiian alone</td>
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<tr>
<td>012 .Chamorro alone</td>
<td></td>
</tr>
<tr>
<td>013 .Samoan alone</td>
<td></td>
</tr>
<tr>
<td>014 .Other Pacific Islander alone</td>
<td></td>
</tr>
<tr>
<td>015 .Some Other Race alone</td>
<td></td>
</tr>
<tr>
<td>016 .White; Black or African American</td>
<td></td>
</tr>
<tr>
<td>017 .White; American Indian and Alaska Native</td>
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</tr>
<tr>
<td>018 .White; Asian Indian</td>
<td></td>
</tr>
<tr>
<td>019 .White; Chinese</td>
<td></td>
</tr>
<tr>
<td>020 .White; Filipino</td>
<td></td>
</tr>
<tr>
<td>021 .White; Japanese</td>
<td></td>
</tr>
<tr>
<td>022 .White; Korean</td>
<td></td>
</tr>
<tr>
<td>023 .White; Vietnamese</td>
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</tr>
<tr>
<td>024 .White; Other Asian</td>
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<tr>
<td>025 .White; Native Hawaiian</td>
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<tr>
<td>026 .White; Chamorro</td>
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</tr>
<tr>
<td>027 .White; Samoan</td>
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</tr>
<tr>
<td>028 .White; Other Pacific Islander</td>
<td></td>
</tr>
<tr>
<td>029 .White; Some Other Race</td>
<td></td>
</tr>
<tr>
<td>030 .Black or African American; American Indian and Alaska Native</td>
<td></td>
</tr>
<tr>
<td>031 .Black or African American; Asian Indian</td>
<td></td>
</tr>
<tr>
<td>032 .Black or African American; Chinese</td>
<td></td>
</tr>
<tr>
<td>033 .Black or African American; Filipino</td>
<td></td>
</tr>
<tr>
<td>034 .Black or African American; Japanese</td>
<td></td>
</tr>
<tr>
<td>035 .Black or African American; Korean</td>
<td></td>
</tr>
<tr>
<td>036 .Black or African American; Other Asian</td>
<td></td>
</tr>
<tr>
<td>037 .Black or African American; Other Pacific Islander</td>
<td></td>
</tr>
<tr>
<td>038 .Black or African American; Some Other Race</td>
<td></td>
</tr>
<tr>
<td>039 .American Indian and Alaska Native; Asian Indian</td>
<td></td>
</tr>
<tr>
<td>040 .American Indian and Alaska Native; Filipino</td>
<td></td>
</tr>
<tr>
<td>041 .American Indian and Alaska Native; Some Other Race</td>
<td></td>
</tr>
<tr>
<td>042 .Asian Indian; Other Asian</td>
<td></td>
</tr>
<tr>
<td>043 .Asian Indian; Some Other Race</td>
<td></td>
</tr>
<tr>
<td>044 .Chinese; Filipino</td>
<td></td>
</tr>
<tr>
<td>045 .Chinese; Japanese</td>
<td></td>
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<tr>
<td>046 .Chinese; Korean</td>
<td></td>
</tr>
<tr>
<td>047 .Chinese; Vietnamese</td>
<td></td>
</tr>
<tr>
<td>048 .Chinese; Other Asian</td>
<td></td>
</tr>
<tr>
<td>049 .Chinese; Native Hawaiian</td>
<td></td>
</tr>
</tbody>
</table>
050 .Filipino; Japanese
051 .Filipino; Native Hawaiian
052 .Filipino; Other Pacific Islander
053 .Filipino; Some Other Race
054 .Japanese; Korean
055 .Japanese; Native Hawaiian
056 .Vietnamese; Other Asian
057 .Other Asian; Other Pacific Islander
058 .Other Asian; Some Other Race
059 .Other Pacific Islander; Some Other Race
060 .White; Black or African American; American Indian and Alaska .Native
061 .White; Black or African American; Filipino
062 .White; Black or African American; Some Other Race
063 .White; American Indian and Alaska Native; Filipino
064 .White; American Indian and Alaska Native; Some Other Race
065 .White; Chinese; Filipino
066 .White; Chinese; Japanese
067 .White; Chinese; Native Hawaiian
068 .White; Filipino; Native Hawaiian
069 .White; Japanese; Native Hawaiian
070 .White; Other Asian; Some Other Race
071 .Chinese; Filipino; Native Hawaiian
072 .White; Chinese; Filipino; Native Hawaiian
073 .White; Chinese; Japanese; Native Hawaiian
074 .Black or African American; Asian groups
075 .Black or African American; Native Hawaiian and Other Pacific .Islander groups
076 .Asian Indian; Asian groups
077 .Filipino; Asian groups
078 .White; Black or African American; Asian groups
079 .White; American Indian and Alaska Native; Asian groups
080 .White; Native Hawaiian and Other Pacific Islander groups; .and/or Some Other Race
081 .White; Black or African American; American Indian and Alaska .Native; Asian groups
082 .White; Black or African American; American Indian and Alaska .Native; and/or Native Hawaiian and Other Pacific Islander .groups; and/or Some Other Race
083 .White; Black or African American; and/or Asian groups; .and/or Native Hawaiian and Other Pacific Islander groups; .and/or Some Other Race
084 .White; American Indian and Alaska Native; and/or Asian .groups; and/or Native Hawaiian and Other Pacific Islander .groups
085 .White; Chinese; Filipino; and/or Asian groups; and/or Native .Hawaiian and Other Pacific Islander groups; and/or Some .Other Race
086 .White; Chinese; and/or Asian groups; and/or Native Hawaiian .and Other Pacific Islander groups; and/or Some Other Race
087 .White; Filipino; and/or Native Hawaiian and Other Pacific .Islander groups; and/or Some Other Race
088 .White; Japanese; and/or Asian groups; and/or Native Hawaiian .and Other Pacific Islander groups; and/or Some Other Race
089 .White; Asian groups; and/or Native Hawaiian and Other .Pacific Islander groups; and/or Some Other Race
<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>RACAIAN</td>
<td>American Indian and Alaska Native recode (American Indian and Alaska Native alone or in combination with one or more other races)</td>
<td>0 .No</td>
</tr>
<tr>
<td>RACASN</td>
<td>Asian recode (Asian alone or in combination with one or more other races)</td>
<td>0 .No</td>
</tr>
<tr>
<td>RACBLK</td>
<td>Black or African American recode (Black alone or in combination with one or more other races)</td>
<td>0 .No</td>
</tr>
<tr>
<td>RACNH</td>
<td>Native Hawaiian recode (Native Hawaiian alone or in combination with one or more other races)</td>
<td>0 .No</td>
</tr>
<tr>
<td>RACNUM</td>
<td>Number of major race groups represented</td>
<td></td>
</tr>
</tbody>
</table>
1..6 .Race groups

RACPI Character 1
Other Pacific Islander recode (Other Pacific Islander alone or in combination with one or more other races)
0 .No
1 .Yes

RACSOR Character 1
Some other race recode (Some other race alone or in combination with one or more other races)
0 .No
1 .Yes

RACWHT Character 1
White recode (White alone or in combination with one or more other races)
0 .No
1 .Yes

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>110XX</td>
<td>N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)</td>
</tr>
<tr>
<td>1110XX</td>
<td>MGR-Chief Executives And Legislators</td>
</tr>
<tr>
<td>111021</td>
<td>MGR-General And Operations Managers</td>
</tr>
<tr>
<td>112011</td>
<td>MGR-Advertising And Promotions Managers</td>
</tr>
<tr>
<td>112021</td>
<td>MGR-Marketing Managers</td>
</tr>
<tr>
<td>112022</td>
<td>MGR-Sales Managers</td>
</tr>
<tr>
<td>112030</td>
<td>MGR-Public Relations And Fundraising Managers</td>
</tr>
<tr>
<td>113012</td>
<td>MGR-Administrative Services Managers</td>
</tr>
<tr>
<td>113013</td>
<td>MGR-Facilities Managers</td>
</tr>
<tr>
<td>113021</td>
<td>MGR-Computer And Information Systems Managers</td>
</tr>
<tr>
<td>113031</td>
<td>MGR-Financial Managers</td>
</tr>
<tr>
<td>113111</td>
<td>MGR-Compensation And Benefits Managers</td>
</tr>
<tr>
<td>113121</td>
<td>MGR-Human Resources Managers</td>
</tr>
<tr>
<td>113131</td>
<td>MGR-Training And Development Managers</td>
</tr>
<tr>
<td>113051</td>
<td>MGR-Industrial Production Managers</td>
</tr>
<tr>
<td>113061</td>
<td>MGR-Purchasing Managers</td>
</tr>
<tr>
<td>113071</td>
<td>MGR-Transportation, Storage, And Distribution Managers</td>
</tr>
<tr>
<td>119013</td>
<td>MGR-Farmers, Ranchers, And Other Agricultural Managers</td>
</tr>
<tr>
<td>119021</td>
<td>MGR-Construction Managers</td>
</tr>
<tr>
<td>119030</td>
<td>MGR-Education And Childcare Administrators</td>
</tr>
<tr>
<td>119041</td>
<td>MGR-Architectural And Engineering Managers</td>
</tr>
<tr>
<td>119051</td>
<td>MGR-Food Service Managers</td>
</tr>
<tr>
<td>119070</td>
<td>MGR-Entertainment And Recreation Managers</td>
</tr>
<tr>
<td>119081</td>
<td>MGR-Lodging Managers</td>
</tr>
<tr>
<td>119111</td>
<td>MGR-Medical And Health Services Managers</td>
</tr>
<tr>
<td>119121</td>
<td>MGR-Natural Sciences Managers</td>
</tr>
<tr>
<td>119141</td>
<td>MGR-Property, Real Estate, And Community Association Managers</td>
</tr>
<tr>
<td>119151</td>
<td>MGR-Social And Community Service Managers</td>
</tr>
<tr>
<td>119161</td>
<td>MGR-Emergency Management Directors</td>
</tr>
<tr>
<td>1191XX</td>
<td>MGR-Other Managers</td>
</tr>
<tr>
<td>131011</td>
<td>BUS-Agents And Business Managers Of Artists, Performers, And Athletes</td>
</tr>
<tr>
<td>131021</td>
<td>BUS-Buyers And Purchasing Agents, Farm Products</td>
</tr>
<tr>
<td>131022</td>
<td>BUS-Wholesale And Retail Buyers, Except Farm Products</td>
</tr>
<tr>
<td>131023</td>
<td>BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products</td>
</tr>
<tr>
<td>131030</td>
<td>BUS-Claims Adjusters, Appraisers, Examiners, And Investigators</td>
</tr>
<tr>
<td>131041</td>
<td>BUS-Compliance Officers</td>
</tr>
<tr>
<td>131051</td>
<td>BUS-Cost Estimators</td>
</tr>
<tr>
<td>131070</td>
<td>BUS-Human Resources Workers</td>
</tr>
<tr>
<td>131081</td>
<td>BUS-Logisticians</td>
</tr>
<tr>
<td>131082</td>
<td>BUS-Project Management Specialists</td>
</tr>
<tr>
<td>131111</td>
<td>BUS-Management Analysts</td>
</tr>
<tr>
<td>131121</td>
<td>BUS-Meeting, Convention, And Event Planners</td>
</tr>
<tr>
<td>131131</td>
<td>BUS-Fundraisers</td>
</tr>
<tr>
<td>131141</td>
<td>BUS-Compensation, Benefits, And Job Analysis Specialists</td>
</tr>
<tr>
<td>131151</td>
<td>BUS-Training And Development Specialists</td>
</tr>
<tr>
<td>131161</td>
<td>BUS-Market Research Analysts And Marketing Specialists</td>
</tr>
<tr>
<td>131199</td>
<td>BUS-Business Operations Specialists, All Other</td>
</tr>
<tr>
<td>132011</td>
<td>FIN-Accountants And Auditors</td>
</tr>
<tr>
<td>132020</td>
<td>FIN-Property Appraisers And Assessors</td>
</tr>
</tbody>
</table>
132031 .FIN-Budget Analysts
132041 .FIN-Credit Analysts
132051 .FIN-Financial And Investment Analysts
132052 .FIN-Personal Financial Advisors
132053 .FIN-Insurance Underwriters
132061 .FIN-Financial Examiners
132070 .FIN-Credit Counselors And Loan Officers
132081 .FIN-Tax Examiners And Collectors, And Revenue Agents
132082 .FIN-Tax preparers
1320XX .FIN-Other Financial Specialists
151221 .CMM-Computer And Information Research Scientists
151211 .CMM-Computer Systems Analysts
151212 .CMM-Information Security Analysts
151251 .CMM-Computer Programmers
151252 .CMM-Software Developers
151253 .CMM-Software Quality Assurance Analysts And Testers
151254 .CMM-Web Developers
151255 .CMM-Web And Digital Interface Designers
151230 .CMM-Computer Support Specialists
15124X .CMM-Database Administrators And Architects
151244 .CMM-Network And Computer Systems Administrators
151241 .CMM-Computer Network Architects
151299 .CMM-Computer Occupations, All Other
152011 .CMM-Actuaries
152031 .CMM-Operations Research Analysts
1520XX .CMM-Other Mathematical Science Occupations
171011 .ENG-Architects, Except Landscape And Naval
171012 .ENG-Landscape Architects
171020 .ENG-Surveys, Cartographers, And Photogrammetrists
172011 .ENG-Aerospace Engineers
1720XX .ENG-Biomedical And Agricultural Engineers
172041 .ENG-Chemical Engineers
172051 .ENG-Civil Engineers
172061 .ENG-Computer Hardware Engineers
172070 .ENG-Electrical And Electronics Engineers
172081 .ENG-Environmental Engineers
172110 .ENG-Industrial Engineers, Including Health And Safety
172121 .ENG-Marine Engineers And Naval Architects
172131 .ENG-Materials Engineers
172141 .ENG-Mechanical Engineers
1721XX .ENG-Petroleum, Mining And Geological Engineers, Including .Mining Safety Engineers
1721YY .ENG-Other Engineers
173011 .ENG-Architectural And Civil Drafters
17301X .ENG-Other Drafters
173023 .ENG-Electrical And Electronic Engineering Technologists .And Technicians
17302X .ENG-Other Engineering Technologists And Technicians, .Except Drafters
173031 .ENG-Surveying And Mapping Technicians
191010 .SCI-Agricultural And Food Scientists
191020 .SCI-Biological Scientists
191030 .SCI-Conservation Scientists And Foresters
1910XX .SCI-Other Life Scientists
192010 .SCI-Astronomers And Physicists
192021 .SCI-Atmospheric And Space Scientists
192030 .SCI-Chemists And Materials Scientists
192041 .SCI-Environmental Scientists And Specialists, Including Health
19204X .SCI-Geoscientists And Hydrologists, Except Geographers
192099 .SCI-Physical Scientists, All Other
193011 .SCI-Economists
193033 .SCI-Clinical And Counseling Psychologists
193034 .SCI-School Psychologists
19303X .SCI-Other Psychologists
193051 .SCI-Urban And Regional Planners
1930XX .SCI-Other Social Scientists
194010 .SCI-Agricultural And Food Science Technicians
194021 .SCI-Biological Technicians
194031 .SCI-Chemical Technicians
1940XX .SCI-Environmental Science And Geoscience Technicians, And Nuclear Technicians
1940YY .SCI-Other Life, Physical, And Social Science Technicians
195010 .SCI-Occupational Health And Safety Specialists And Technicians
211011 .CMS-Substance Abuse And Behavioral Disorder Counselors
211012 .CMS-Educational, Guidance, And Career Counselors And Advisors
211013 .CMS-Marriage And Family Therapists
211014 .CMS-Mental Health Counselors
211015 .CMS-Rehabilitation Counselors
211019 .CMS-Counselors, All Other
211021 .CMS-Child, Family, And School Social Workers
211022 .CMS-Healthcare Social Workers
211023 .CMS-Mental Health And Substance Abuse Social Workers
211029 .CMS-Social Workers, All Other
211092 .CMS-Probation Officers And Correctional Treatment Specialists
211093 .CMS-Social And Human Service Assistants
21109X .CMS-Other Community And Social Service Specialists
212011 .CMS-Clergy
212021 .CMS-Directors, Religious Activities And Education
212099 .CMS-Religious Workers, All Other
2310XX .LGL-Lawyers, And Judges, Magistrates, And Other Judicial Workers
231012 .LGL-Judicial Law Clerks
232011 .LGL-Paralegals And Legal Assistants
232093 .LGL-Title Examiners, Abstractors, And Searchers
232099 .LGL-Legal Support Workers, All Other
251000 .EDU-Postsecondary Teachers
252010 .EDU-Elementary And Middle School Teachers
252030 .EDU-Secondary School Teachers
252050 .EDU-Special Education Teachers
253041 .EDU-Tutors
2530XX .EDU-Other Teachers And Instructors
254010 .EDU-Archivists, Curators, And Museum Technicians
254022 .EDU-Librarians And Media Collections Specialists
254031 .EDU-Library Technicians
259040 .EDU-Teaching Assistants
2590XX .EDU-Other Educational Instruction and Library Workers
271010 .ENT-Artists And Related Workers
271021 .ENT-Commercial And Industrial Designers
271022 .ENT-Fashion Designers

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271023 .ENT-Floral Designers
271024 .ENT-Graphic Designers
271025 .ENT-Interior Designers
271026 .ENT-Merchandise Displayers And Window Trimmers
27102X .ENT-Other Designers
272011 .ENT-Actors
272012 .ENT-Producers And Directors
272021 .ENT-Athletes And Sports Competitors
272022 .ENT-Coaches And Scouts
272023 .ENT-Umpires, Referees, And Other Sports Officials
272030 .ENT-Dancers And Choreographers
272041 .ENT-Music Directors And Composers
272042 .ENT-Musicians And Singers
272091 .ENT-Disc Jockeys, Except Radio
272099 .ENT-Entertainers And Performers, Sports And Related Workers, All Other
273011 .ENT-Broadcast Announcers And Radio Disc Jockeys
273023 .ENT-News Analysts, Reporters, And Journalists
273031 .ENT-Public Relations Specialists
273041 .ENT-Editors
273042 .ENT-Technical Writers
273043 .ENT-Writers And Authors
273091 .ENT-Interpreters And Translators
273092 .ENT-Court Reporters And Simultaneous Captioners
273099 .ENT-Media And Communication Workers, All Other
2740XX .ENT-Other Media And Communication Equipment Workers
274021 .ENT-Photographers
274030 .ENT-Television, Video, And Film Camera Operators And Editors
291011 .MED-Chiropractors
291020 .MED-Dentists
291031 .MED-Dietitians And Nutritionists
291041 .MED-Optometrists
291051 .MED-Pharmacists
291210 .MED-Physicians
291240 .MED-Surgeons
291071 .MED-Physician Assistants
291081 .MED-Podiatrists
291122 .MED-Occupational Therapists
291123 .MED-Physical Therapists
291124 .MED-Radiation Therapists
291125 .MED-Recreational Therapists
291126 .MED-Respiratory Therapists
291127 .MED-Speech-Language Pathologists
29112X .MED-Other Therapists
291131 .MED-Veterinarians
291141 .MED-Registered Nurses
291151 .MED-Nurse Anesthetists
291181 .MED-Audiologists
291X .MED-Nurse Practitioners, And Nurse Midwives
291291 .MED-Acupuncturists
291299 .MED-Healthcare Diagnosing Or Treating Practitioners, All Other
292010 .MED-Clinical Laboratory Technologists And Technicians
292031 .MED-Cardiovascular Technologists And Technicians
292032 .MED-Diagnostic Medical Sonographers
292034 .MED-Radiologic Technologists And Technicians
292035 .MED-Magnetic Resonance Imaging Technologists
29203X .MED-Nuclear Medicine Technologists And Medical Dosimetrists
292042 .MED-Emergency Medical Technicians
292043 .MED-Paramedics
292052 .MED-Pharmacy Technicians
292053 .MED-Psychiatric Technicians
292055 .MED-Surgical Technologists
292056 .MED-Veterinary Technologists And Technicians
29205X .MED-Dietetic Technicians And Ophthalmic Medical Technicians
292061 .MED-Licensed Practical And Licensed Vocational Nurses
292072 .MED-Medical Records Specialists
292081 .MED-Opticians, Dispensing
292090 .MED-Miscellaneous Health Technologists And Technicians
299000 .MED-Other Healthcare Practitioners And Technical Occupations
311121 .HLS-Home Health Aides
311122 .HLS-Personal Care Aides
311131 .HLS-Nursing Assistants
31113X .HLS-Orderlies And Psychiatric Aides
312010 .HLS-Occupational Therapy Assistants And Aides
312020 .HLS-Physical Therapist Assistants And Aides
319011 .HLS-Massage Therapists
319091 .HLS-Dental Assistants
319092 .HLS-Medical Assistants
319094 .HLS-Medical Transcriptionists
319095 .HLS-Pharmacy Aides
319096 .HLS-Veterinary Assistants And Laboratory Animal Caretakers
319097 .HLS-Phlebotomists
31909X .HLS-Other Healthcare Support Workers
331011 .PRT-First-Line Supervisors Of Correctional Officers
331012 .PRT-First-Line Supervisors Of Police And Detectives
331021 .PRT-First-Line Supervisors Of Firefighting And Prevention Workers
331090 .PRT-Miscellaneous First-Line Supervisors, Protective Service Workers
332011 .PRT-Firefighters
332020 .PRT-Fire Inspectors
333011 .PRT-Bailiffs
333012 .PRT-Correctional Officers And Jailers
333021 .PRT-Detectives And Criminal Investigators
3330XX .PRT-Fish And Game Wardens And Parking Enforcement Officers
333050 .PRT-Police Officers
339011 .PRT-Animal Control Workers
339021 .PRT-Private Detectives And Investigators
339030 .PRT-Security Guards And Gambling Surveillance Officers
339091 .PRT-Crossing Guards And Flaggers
339093 .PRT-Transportation Security Screeners
339094 .PRT-School Bus Monitors
33909X .PRT-Other Protective Service Workers
351011 .EAT-Chefs And Head Cooks
351012 .EAT-First-Line Supervisors Of Food Preparation And Serving Workers
352010 .EAT-Cooks
352021 .EAT-Food Preparation Workers
353011 .EAT-Bartenders
353023 .EAT-Fast Food And Counter Workers
353031 .EAT-Waiters And Waitresses
353041 .EAT-Food Servers, Nonrestaurant
359011 .EAT-Dining Room And Cafeteria Attendants And Bartender .Helpers
359021 .EAT-Dishwashers
359031 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee .Shop
359099 .EAT-Food Preparation And Serving Related Workers, All .Other
371011 .CLN-First-Line Supervisors Of Housekeeping And Janitorial .Workers
371012 .CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers
37201X .CLN-Janitors And Building Cleaners
372012 .CLN-Maids And Housekeeping Cleaners
372021 .CLN-Pest Control Workers
373011 .CLN-Landscaping And Groundskeeping Workers
373013 .CLN-Tree Trimmers And Pruners
37301X .CLN-Other Grounds Maintenance Workers
391000 .PRS-Supervisors of Personal Care And Service Workers
392011 .PRS-Animal Trainers
392021 .PRS-Animal Caretakers
393010 .PRS-Gambling Services Workers
393031 .PRS-Ushers, Lobby Attendants, And Ticket Takers
3930XX .PRS-Other Entertainment Attendants And Related Workers
394031 .PRS-Morticians, Undertakers, And Funeral Arrangers
3940XX .PRS-Embalmers, Crematory Operators And Funeral Attendants
395011 .PRS-Barbers
395012 .PRS-Hairdressers, Hairstylists, And Cosmetologists
395092 .PRS-Manicurists and Pedicurists
395094 .PRS-Skincare Specialists
39509X .PRS-Other Personal Appearance Workers
396010 .PRS-Baggage Porters, Bellhops, And Concierges
397010 .PRS-Tour And Travel Guides
399011 .PRS-Childcare Workers
399031 .PRS-Exercise Trainers And Group Fitness Instructors
399032 .PRS-Recreation Workers
399041 .PRS-Residential Advisors
399099 .PRS-Personal Care And Service Workers, All Other
411011 .SAL-First-Line Supervisors Of Retail Sales Workers
411012 .SAL-First-Line Supervisors Of Non-Retail Sales Workers
412010 .SAL-Cashiers
412021 .SAL-Counter And Rental Clerks
412022 .SAL-Parts Salespersons
412031 .SAL-Retail Salespersons
413011 .SAL-Advertising Sales Agents
413021 .SAL-Insurance Sales Agents
413031 .SAL-Securities, Commodities, And Financial Services Sales .Agents
413041 .SAL-Travel Agents
413091 .SAL-Sales Representatives Of Services, Except .Advertising, Insurance, Financial Services, And Travel
414010 .SAL-Sales Representatives, Wholesale And Manufacturing
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>492011</td>
<td>RPR-Computer, Automated Teller, And Office Machine Repairers</td>
</tr>
<tr>
<td>492020</td>
<td>RPR-Radio And Telecommunications Equipment Installers And Repairers</td>
</tr>
<tr>
<td>492091</td>
<td>RPR-Avionics Technicians</td>
</tr>
<tr>
<td>492092</td>
<td>RPR-Electric Motor, Power Tool, And Related Repairers</td>
</tr>
<tr>
<td>49209X</td>
<td>RPR-Other Electrical And Electronic Equipment Mechanics, Installers, and Repairers</td>
</tr>
<tr>
<td>492097</td>
<td>RPR-Audiovisual Equipment Installers And Repairers</td>
</tr>
<tr>
<td>492098</td>
<td>RPR-Security And Fire Alarm Systems Installers</td>
</tr>
<tr>
<td>493011</td>
<td>RPR-Aircraft Mechanics And Service Technicians</td>
</tr>
<tr>
<td>493021</td>
<td>RPR-Automotive Body And Related Repairers</td>
</tr>
<tr>
<td>493022</td>
<td>RPR-Automotive Glass Installers And Repairers</td>
</tr>
<tr>
<td>493023</td>
<td>RPR-Automotive Service Technicians And Mechanics</td>
</tr>
<tr>
<td>493031</td>
<td>RPR-Bus And Truck Mechanics And Diesel Engine Specialists</td>
</tr>
<tr>
<td>493040</td>
<td>RPR-Heavy Vehicle And Mobile Equipment Service Technicians And Mechanics</td>
</tr>
<tr>
<td>493044</td>
<td>RPR-Millwrights</td>
</tr>
<tr>
<td>493050</td>
<td>RPR-Small Engine Mechanics</td>
</tr>
<tr>
<td>493090</td>
<td>RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics, Installers, And Repairers</td>
</tr>
<tr>
<td>499010</td>
<td>RPR-Control And Valve Installers And Repairers</td>
</tr>
<tr>
<td>499021</td>
<td>RPR-Heating, Air Conditioning, And Refrigeration</td>
</tr>
<tr>
<td>499031</td>
<td>RPR-Home Appliance Repairers</td>
</tr>
<tr>
<td>49904X</td>
<td>RPR-Industrial And Refractory Machinery Mechanics</td>
</tr>
<tr>
<td>499043</td>
<td>RPR-Maintenance Workers, Machinery</td>
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<tr>
<td>499044</td>
<td>RPR-Millwrights</td>
</tr>
<tr>
<td>499051</td>
<td>RPR-Electrical Power-Line Installers And Repairers</td>
</tr>
<tr>
<td>499052</td>
<td>RPR-Telecommunications Line Installers And Repairers</td>
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<tr>
<td>499060</td>
<td>RPR-Precision Instrument And Equipment Repairers</td>
</tr>
<tr>
<td>499071</td>
<td>RPR-Maintenance And Repair Workers, General</td>
</tr>
<tr>
<td>499091</td>
<td>RPR-Coin, Vending, And Amusement Machine Servicers And Repairers</td>
</tr>
<tr>
<td>499094</td>
<td>RPR-Locksmiths And Safe Repairers</td>
</tr>
<tr>
<td>499096</td>
<td>RPR-Riggers</td>
</tr>
<tr>
<td>4990X</td>
<td>RPR-Other Installation, Maintenance, And Repair Workers</td>
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<tr>
<td>511011</td>
<td>PRD-First-Line Supervisors Of Production And Operating Workers</td>
</tr>
<tr>
<td>512020</td>
<td>PRD-Electrical, Electronics, And Electromechanical Assemblers</td>
</tr>
<tr>
<td>512031</td>
<td>PRD-Engine And Other Machine Assemblers</td>
</tr>
<tr>
<td>512041</td>
<td>PRD-Structural Metal Fabricators And Fitters</td>
</tr>
<tr>
<td>5120XX</td>
<td>PRD-Other Assemblers and Fabricators</td>
</tr>
<tr>
<td>513011</td>
<td>PRD-Bakers</td>
</tr>
<tr>
<td>513020</td>
<td>PRD-Butchers And Other Meat, Poultry, And Fish Processing Workers</td>
</tr>
<tr>
<td>513091</td>
<td>PRD-Food And Tobacco Roasting, Baking, And Drying Machine Operators And Tenders</td>
</tr>
<tr>
<td>513092</td>
<td>PRD-Food Batchmakers</td>
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<tr>
<td>513093</td>
<td>PRD-Food Cooking Machine Operators And Tenders</td>
</tr>
<tr>
<td>513099</td>
<td>PRD-Food Processing Workers, All Other</td>
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<tr>
<td>519160</td>
<td>PRD-Computer Numerically Controlled Tool Operators And Programmers</td>
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<tr>
<td>514020</td>
<td>PRD-Forming Machine Setters, Operators, And Tenders, Metal And Plastic</td>
</tr>
<tr>
<td>Code</td>
<td>Description</td>
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<tr>
<td>--------</td>
<td>-------------------------------------------------------------------------------------------------</td>
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<tr>
<td>514031</td>
<td>PRD-Cutting, Punching, And Press Machine Setters, Operators, And Tenders, Metal And Plastic</td>
</tr>
<tr>
<td>514033</td>
<td>PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool Setters, Operators, And Tenders, Metal and Plastic</td>
</tr>
<tr>
<td>51403X</td>
<td>PRD-Other Machine Tool Setters, Operators, And Tenders, Metal And Plastic</td>
</tr>
<tr>
<td>514041</td>
<td>PRD-Machinists</td>
</tr>
<tr>
<td>514050</td>
<td>PRD-Metal Furnace Operators, Tenders, Pourers, And Casters</td>
</tr>
<tr>
<td>5140XX</td>
<td>PRD-Model Makers, Patternmakers, And Molding Machine Setters, Metal And Plastic</td>
</tr>
<tr>
<td>514111</td>
<td>PRD-Tool And Die Makers</td>
</tr>
<tr>
<td>514120</td>
<td>PRD-Welding, Soldering, And Brazing Workers</td>
</tr>
<tr>
<td>514XXX</td>
<td>PRD-Other Metal Workers And Plastic Workers</td>
</tr>
<tr>
<td>515111</td>
<td>PRD-Prepress Technicians And Workers</td>
</tr>
<tr>
<td>51512</td>
<td>PRD-Printing Press Operators</td>
</tr>
<tr>
<td>51513</td>
<td>PRD-Print Binding And Finishing Workers</td>
</tr>
<tr>
<td>516011</td>
<td>PRD-Laundry And Dry-Cleaning Workers</td>
</tr>
<tr>
<td>516021</td>
<td>PRD-Pressers, Textile, Garment, And Related Materials</td>
</tr>
<tr>
<td>516031</td>
<td>PRD-Sewing Machine Operators</td>
</tr>
<tr>
<td>516040</td>
<td>PRD-Shoe And Leather Workers</td>
</tr>
<tr>
<td>516050</td>
<td>PRD-Tailors, Dressmakers, And Sewers</td>
</tr>
<tr>
<td>516060</td>
<td>PRD-Textile Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>516093</td>
<td>PRD-Upholsterers</td>
</tr>
<tr>
<td>51609X</td>
<td>PRD-Other Textile, Apparel, And Furnishings Workers</td>
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<tr>
<td>517011</td>
<td>PRD-Cabinetmakers And Bench Carpenters</td>
</tr>
<tr>
<td>517021</td>
<td>PRD-Furniture Finishers</td>
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<tr>
<td>517041</td>
<td>PRD-Sawing Machine Setters, Operators, And Tenders, Wood</td>
</tr>
<tr>
<td>517042</td>
<td>PRD-Woodworking Machine Setters, Operators, And Tenders, Except Sawing</td>
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<tr>
<td>5170XX</td>
<td>PRD-Other Woodworkers</td>
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<tr>
<td>518010</td>
<td>PRD-Power Plant Operators, Distributors, And Dispatchers</td>
</tr>
<tr>
<td>518021</td>
<td>PRD-Stationary Engineers And Boiler Operators</td>
</tr>
<tr>
<td>518031</td>
<td>PRD-Water And Wastewater Treatment Plant And System Operators</td>
</tr>
<tr>
<td>518090</td>
<td>PRD-Miscellaneous Plant And System Operators</td>
</tr>
<tr>
<td>519010</td>
<td>PRD-Chemical Processing Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>519020</td>
<td>PRD-Crushing, Grinding, Polishing, Mixing, And Blending Workers</td>
</tr>
<tr>
<td>519030</td>
<td>PRD-Cutting Workers</td>
</tr>
<tr>
<td>519041</td>
<td>PRD-Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>519051</td>
<td>PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders</td>
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<tr>
<td>519061</td>
<td>PRD-Inspectors, Testers, Sorters, Samplers, And Weighers</td>
</tr>
<tr>
<td>519071</td>
<td>PRD-Jewelers And Precious Stone And Metal Workers</td>
</tr>
<tr>
<td>519080</td>
<td>PRD-Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians</td>
</tr>
<tr>
<td>519111</td>
<td>PRD-Packaging And Filling Machine Operators And Tenders</td>
</tr>
<tr>
<td>519120</td>
<td>PRD-Painting Workers</td>
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<tr>
<td>519151</td>
<td>PRD-Photographic Process Workers And Processing Machine Operators</td>
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<tr>
<td>519191</td>
<td>PRD-Adhesive Bonding Machine Operators And Tenders</td>
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<tr>
<td>519194</td>
<td>PRD-Etchers And Engravers</td>
</tr>
<tr>
<td>519195</td>
<td>PRD-Molders, Shapers, And Casters, Except Metal And Plastic</td>
</tr>
</tbody>
</table>

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

**VPS**

**Character 2**
Veteran period of service
bb .N/A (less than 17 years old, no active duty)
01 .Gulf War: 9/2001 or later
06 .Vietnam Era 
07 .Vietnam Era and Korean War 
08 .Vietnam Era, Korean War, and WWII 
09 .Korean War 
10 .Korean War and WWII 
11 .WWII 
12 .Between Gulf War and Vietnam Era only 
13 .Between Vietnam Era and Korean War only 
14 .Peacetime service before the Korean War only

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

**PERSON RECORD-ALLOCATION FLAGS**

**FAGEP** **Character  1**
Age allocation flag 
0 .No 
1 .Yes

**FANCP** **Character  1**
Ancestry allocation flag 
0 .No 
1 .Yes

**FCITP** **Character  1**
Citizenship allocation flag 
0 .No 
1 .Yes

**FCITWP** **Character  1**
Year of naturalization write-in allocation flag 
0 .No 
1 .Yes

**FCOWP** **Character  1**
Class of worker allocation flag 
0 .No 
1 .Yes

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

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

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

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

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

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

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

FHINS7P  Character  1
Indian health service allocation flag
0 .No
1 .Yes

FHISP  Character  1
Detailed Hispanic origin allocation flag
0 .No
1 .Yes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**FPAP**  **Character 1**  
Public assistance income allocation flag  
0 .No  
1 .Yes

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

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

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

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

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

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

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

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

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

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

FSEXPF  Character  1  
Sex allocation flag
0  .No
1  .Yes

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

FSSIP  Character  1  
Social Security income allocation flag
0  .No
1  .Yes

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

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

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

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

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

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

PERSON RECORD-REPLICATE WEIGHTS

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

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

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

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

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

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

PWGTP7 Numeric  5
Person Weight replicate 7
-9999..9999 .Integer weight of person
PWGTP8  Numeric  5  
Person Weight replicate 8  
-9999..9999 .Integer weight of person

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

PWGTP10 Numeric  5  
Person Weight replicate 10  
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PWGTP11 Numeric  5  
Person Weight replicate 11  
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PWGTP12 Numeric  5  
Person Weight replicate 12  
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PWGTP13 Numeric  5  
Person Weight replicate 13  
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PWGTP14 Numeric  5  
Person Weight replicate 14  
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PWGTP15 Numeric  5  
Person Weight replicate 15  
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PWGTP16 Numeric  5  
Person Weight replicate 16  
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PWGTP17 Numeric  5  
Person Weight replicate 17  
-9999..9999 .Integer weight of person

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

PWGTP19 Numeric  5  
Person Weight replicate 19  
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PWGTP20 Numeric  5  
Person Weight replicate 20  
-9999..9999 .Integer weight of person

PWGTP21 Numeric  5  
Person Weight replicate 21  
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PWGTP23    Numeric    5
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PWGTP25    Numeric    5
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PWGTP26    Numeric    5
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PWGTP27    Numeric    5
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PWGTP28    Numeric    5
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PWGTP31    Numeric    5
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PWGTP32    Numeric    5
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PWGTP33    Numeric    5
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PWGTP34    Numeric    5
Person Weight replicate 34
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PWGTP35    Numeric    5
Person Weight replicate 35
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PWGTP80   Numeric   5
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