## 2015-2019 ACS PUMS DATA DICTIONARY

January 14, 2021

### HOUSING RECORD

#### HOUSING RECORD—BASIC VARIABLES

<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
</table>
| **RT** | Character 1 | Record Type  
| | H | Housing Record or Group Quarters Unit  
| | P | Person Record |
| **SERIALNO** | Character 13 | Housing unit/GQ person serial number  
| | 2015000000001..2017999999999 | Unique identifier (2017 and earlier)  
| | 2018GQ0000001..2019GQ9999999 | GQ Unique identifier (2018 and later)  
| | 2018HU0000001..2019HU9999999 | 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/MI
30 .Montana/MT
31 .Nebraska/NE
32 .Nevada/NV
33 .New Hampshire/NH
34 .New Jersey/NJ
35 .New Mexico/NM
36 .New York/NC
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)

<table>
<thead>
<tr>
<th>Year</th>
<th>Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>1079106</td>
</tr>
<tr>
<td>2016</td>
<td>1065365</td>
</tr>
<tr>
<td>2017</td>
<td>1042936</td>
</tr>
<tr>
<td>2018</td>
<td>1018118</td>
</tr>
<tr>
<td>2019</td>
<td>1000000</td>
</tr>
</tbody>
</table>
### Adjustment Factor for Income and Earnings Dollar Amounts

**ADJINC**  
Character 7  
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)  
- 1080470 .2015 factor (1.001264 * 1.07910576)  
- 1073449 .2016 factor (1.007588 * 1.06536503)  
- 1054606 .2017 factor (1.011189 * 1.04293629)  
- 1031452 .2018 factor (1.013097 * 1.01811790)  
- 1010145 .2019 factor (1.010145 * 1.00000000)

### Housing Unit Weight

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

### Number of Persons Associated with This Housing Record

**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)

### Type of Unit

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

### Internet Access

**ACCESS**  
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

### Lot Size

**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

### Sales of Agriculture Products

**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.

**BUS** Character 1
Business or medical office on property
b . N/A (GQ/not a one-family house or mobile home)
1 . Yes
2 . No
9 . Case is from 2016 or later

**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 .50 - $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 3  
Electricity cost (monthly cost, use ADJHSG to adjust ELEP to constant dollars)  
bbb . N/A (GQ/vacant/included in rent or in condo fee/no charge or electricity not used)  
3..999 . $3 to $999 (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)  
bbbbb . 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 3  
Gas cost (monthly cost, use ADJHSG to adjust GASP to constant dollars)  
bbb . N/A (GQ/vacant/included in rent or in condo fee/included in electricity payment/no charge or gas not used)  
4..999 . $4 to $999 (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

**INSPI**  **Numeric 5**  
Fire/hazard/flood insurance (yearly amount, use ADJHSG to adjust INSPI 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)
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

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

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

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

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

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

Monthly rent (use ADJHSG to adjust RNTP to constant dollars)
bbbb .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)

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

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)
bbb
b. N/A (GQ/vacant/not owned or being bought/ no second or junior mortgages or home equity loans)
1. .99999

**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 2015, 2016, or 2019 for selected PUMAs

**TEN** Character 1
Tenure
b. N/A (GQ/vacant)
1. Owned with mortgage or loan (include home equity loans)
2. Owned free and clear
3. Rented
4. Occupied without payment of rent
<table>
<thead>
<tr>
<th>TOIL</th>
<th>Character</th>
<th>1</th>
<th>Flush toilet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>b .N/A (GQ)</td>
<td>1</td>
<td>.Yes</td>
</tr>
<tr>
<td></td>
<td>2 .No</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>9 .Case is from 2016 or later</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VACS</th>
<th>Character</th>
<th>1</th>
<th>Vacancy status</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>b .N/A (GQ/occupied)</td>
<td>1</td>
<td>.For rent</td>
</tr>
<tr>
<td></td>
<td>2 .Rented, not occupied</td>
<td>3</td>
<td>.For sale only</td>
</tr>
<tr>
<td></td>
<td>4 .Sold, not occupied</td>
<td>5</td>
<td>.For seasonal/recreational/occasional use</td>
</tr>
<tr>
<td></td>
<td>6 .For migrant workers</td>
<td>7</td>
<td>.Other vacant</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VALP</th>
<th>Numeric</th>
<th>7</th>
<th>Property value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bbbbbbb</td>
<td>1</td>
<td>.N/A (GQ/vacant units, except 'for-sale-only' and 'sold, not occupied'/not owned or being bought)</td>
</tr>
<tr>
<td></td>
<td>$1 to $9999999 (Rounded and top-coded)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VEH</th>
<th>Character</th>
<th>1</th>
<th>Vehicles (1 ton or less) available</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>b .N/A (GQ/vacant)</td>
<td>0</td>
<td>.No vehicles</td>
</tr>
<tr>
<td></td>
<td>1 .1 vehicle</td>
<td>2</td>
<td>.2 vehicles</td>
</tr>
<tr>
<td></td>
<td>3 .3 vehicles</td>
<td>4</td>
<td>.4 vehicles</td>
</tr>
<tr>
<td></td>
<td>5 .5 vehicles</td>
<td>6</td>
<td>.6 or more vehicles</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WATFP</th>
<th>Character</th>
<th>1</th>
<th>Water cost flag variable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>b .N/A (GQ/vacant)</td>
<td>1</td>
<td>.Included in rent or in condo fee</td>
</tr>
<tr>
<td></td>
<td>2 .No charge</td>
<td>3</td>
<td>.Valid annual water cost in WATP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WATP</th>
<th>Numeric</th>
<th>4</th>
<th>Water cost (yearly cost, use ADJHSG to adjust WATP to constant dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bbbbb</td>
<td>3</td>
<td>.$3 to $9999 (Rounded and top-coded)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>YBL</th>
<th>Character</th>
<th>2</th>
<th>When structure first built</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bb .N/A (GQ)</td>
<td>01</td>
<td>.1939 or earlier</td>
</tr>
<tr>
<td></td>
<td>02 .1940 to 1949</td>
<td>03</td>
<td>.1950 to 1959</td>
</tr>
<tr>
<td></td>
<td>04 .1960 to 1969</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HOUSING RECORD–HOUSEHOLD VARIABLES

CPLT  Character  1  Couple type
b .N/A
1 .Opposite-sex husband/wife/spouse household
2 .Same-sex husband/wife/spouse/household
3 .Opposite-sex unmarried partner household
4 .Same-sex unmarried partner household

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

FINCP  Numeric  8  Family income (past 12 months, use ADJINC to adjust FINCP to constant dollars)
bbbobbob   .N/A (GQ/vacant)
0   .No family income
-59999   .Loss of $59,999 or more
-59998.99   .Loss of $1 to $59,998
1.99999999   .Total family income in dollars (Components are rounded)

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

**GRNTP**  
Numeric 5  
Gross rent (monthly amount, use ADJHSG to adjust GRNTP to constant dollars)

<table>
<thead>
<tr>
<th>Components</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.N/A</td>
<td>GQ/vacant/owned or being bought/occupied without rent payment</td>
</tr>
<tr>
<td>1..99999</td>
<td>$1 - $99999 (Components are rounded)</td>
</tr>
</tbody>
</table>

**GRPIP**  
Numeric 3  
Gross rent as a percentage of household income past 12 months

<table>
<thead>
<tr>
<th>Percentages</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1..100</td>
<td>.1 percent to 100 percent</td>
</tr>
<tr>
<td>101</td>
<td>.101 percent or more</td>
</tr>
</tbody>
</table>

**HHL**  
Character 1  
Household language

<table>
<thead>
<tr>
<th>Language</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.N/A</td>
<td>GQ/vacant</td>
</tr>
<tr>
<td>1</td>
<td>English only</td>
</tr>
<tr>
<td>2</td>
<td>Spanish</td>
</tr>
<tr>
<td>3</td>
<td>Other Indo-European languages</td>
</tr>
<tr>
<td>4</td>
<td>Asian and Pacific Island languages</td>
</tr>
<tr>
<td>5</td>
<td>Other language</td>
</tr>
</tbody>
</table>

**HHT**  
Character 1  
Household/family type

<table>
<thead>
<tr>
<th>Household/Family Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.N/A</td>
<td>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>
</tr>
<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>

**HHT2**  
Character 2  
Household/family type (includes cohabiting)

<table>
<thead>
<tr>
<th>Household/Family Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.N/A</td>
<td>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>
</tbody>
</table>
08. Female householder, no spouse/partner present, only nonrelatives present
09. Male householder, no spouse/partner present, living alone
10. Male householder, no spouse/partner present, with children of the householder less than 18
11. Male householder, no spouse/partner present, with relatives, no children of the householder less than 18
12. Male householder, no spouse/partner present, only nonrelatives present

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

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

HUPAC  Character  1
HH presence and age of children
  b .N/A (GQ/vacant)
  1 .With children under 6 years only
  2 .With children 6 to 17 years only
  3 .With children under 6 years and 6 to 17 years
  4 .No children

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

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

KIT  Character  1
Complete kitchen facilities
  b .N/A (GQ)
  1 .Yes, has stove or range, refrigerator, and sink with a faucet
  2 .No
LNGI  Character  1
Limited English speaking household  
b .N/A (GQ/vacant)
1 .At least one person in the household 14 and over speaks 
   English only or speaks English 'very well'
2 .No one in the household 14 and over speaks English only or 
   speaks English 'very well'

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

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

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

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

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

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

NRC  Numeric  2
Number of related children in household (unweighted)  
bb .N/A (GQ/vacant)
0 .No related children
1..19 .Number of related children in household
OCPIP Numeric 3
Selected monthly owner costs as a percentage of household income during the past 12 months
bbb .N/A (GQ/vacant/not owned or being bought/no household income)
1..100 .1 percent to 100 percent
101 .101 percent or more

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

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

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

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

R18 Character 1
Presence of persons under 18 years in household (unweighted)
b .N/A (GQ/vacant)
0 .No person under 18 in household
1 .1 or more persons under 18 in household

R60 Character 1
Presence of persons 60 years and over in household (unweighted)
b .N/A (GQ/vacant)
0 .No person 60 and over
1 .1 person 60 and over
2 .2 or more persons 60 and over

R65 Character 1
Presence of persons 65 years and over in household (unweighted)
b .N/A (GQ/vacant)
0 .No person 65 and over
1.1 person 65 and over
2.2 or more persons 65 and over

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

**SMOCP**  Numeric  5  
Selected monthly owner costs (use ADJHSG to adjust SMOCP to constant dollars)  
bbbbb .N/A (GQ/vacant/not owned or being bought)  
0 .None  
1 ..99999 $1 - $99999 (Components are rounded)

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

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

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

**TAXAMT**  Numeric  5  
Property taxes (yearly real estate taxes, use ADJHSG to adjust TAXAMT to constant dollars)  
bbbbb .N/A (GQ/vacant/not owned or being bought)  
0 ..22500 $0 to $22500 (rounded and top-coded)

**WIF**  Character  1  
Workers in family during the past 12 months  
b .N/A (GQ/vacant/non-family household)  
0 .No workers  
1 .1 worker  
2 .2 workers  
3 .3 or more workers in family
**WKEXREL** Character 2
Work experience of householder and spouse
bb .N/A (GQ/vacant/not a family)
01 .Householder and spouse worked FT
02 .Householder worked FT; spouse worked less than FT
03 .Householder worked FT; spouse did not work
04 .Householder worked less than FT; spouse worked FT
05 .Householder worked less than FT; spouse worked less than FT
06 .Householder worked less than FT; spouse did not work
07 .Householder did not work; spouse worked FT
08 .Householder did not work; spouse worked less than FT
09 .Householder did not work; spouse did not work
10 .Male householder worked FT; no spouse present
11 .Male householder worked less than FT; no spouse present
12 .Male householder did not work; no spouse present
13 .Female householder worked FT; no spouse present
14 .Female householder worked less than FT; no spouse present
15 .Female householder did not work; no spouse present

**WORKSTAT** Character 2
Work status of householder or spouse in family households
bb .N/A (GQ/not a family household/same-sex married-couple families)
01 .Husband and wife both in labor force, both employed or in .Armed Forces
02 .Husband and wife both in labor force, husband employed or in .Armed Forces, wife unemployed
03 .Husband in labor force and wife not in labor force, husband .employed or in Armed Forces
04 .Husband and wife both in labor force, husband unemployed, .wife employed or in Armed Forces
05 .Husband and wife both in labor force, husband unemployed, .wife unemployed
06 .Husband in labor force, husband unemployed, wife not in labor .force
07 .Husband not in labor force, wife in labor force, wife .employed or in Armed Forces
08 .Husband not in labor force, wife in labor force, wife .unemployed
09 .Neither husband nor wife in labor force
10 .Male householder with no wife present, householder in labor .force, employed or in Armed Forces
11 .Male householder with no wife present, householder in labor .force and unemployed
12 .Male householder with no wife present, householder not in .labor force
13 .Female householder with no husband present, householder in .labor force, employed or in Armed Forces
14 .Female householder with no husband present, householder in .labor force and unemployed
15 .Female householder with no husband present, householder not .in labor force

**HOUSING RECORD-ALLOCATION FLAGS**

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

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

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

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

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

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

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

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

FBUSP  Character  1
Business or medical office on property allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

FELEP  Character  1
Electricity (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 (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

FMRGBP  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

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

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

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

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

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

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

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

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

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

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

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

FSMOCOP Character 1
Selected monthly owner cost allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

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

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

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

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

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

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

FTOILP Character  1
Flush toilet 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 (yearly cost) allocation flag
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### HOUSING RECORD-REPLICATE WEIGHTS

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<th>Description</th>
<th>Value Range</th>
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Housing Unit Weight replicate 13
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WGTP14  Numeric  5
Housing Unit Weight replicate 14
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WGTP15  Numeric  5
Housing Unit Weight replicate 15
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WGTP16  Numeric  5
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WGTP17  Numeric  5
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Housing Unit Weight replicate 18
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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  
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WGTP66  Numeric  5  
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WGTP67  Numeric  5  
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-9999..9999 Integer weight of housing unit

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

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-9999..9999 Integer weight of housing unit

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-9999..9999 Integer weight of housing unit

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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
2015000000001..2017999999999 .Unique identifier (2017 and .earlier)
2018GQ00000001..2019GQ9999999 .GQ Unique identifier (2018 and .later)
2018HU00000001..2019HU9999999 .HU Unique identifier (2018 and .later)

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

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

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

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

ST  Character  2
State code based on 2010 Census definitions
01  .Alabama/AL
02  .Alaska/AK
04  .Arizona/AZ
05  .Arkansas/AR
06  .California/CA
08  .Colorado/CO
ADJINC  Character  7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)

1080470 .2015 factor (1.001264 * 1.07910576)
1073449 .2016 factor (1.007588 * 1.06536503)
1054606 .2017 factor (1.011189 * 1.04293629)
1031452 .2018 factor (1.013097 * 1.01811790)
1010145 .2019 factor (1.010145 * 1.00000000)
PERSON RECORD—PERSON VARIABLES

PWGTP  Numeric  5
Person weight
1..9999 .Integer weight of person

AGEP  Numeric  2
Age
0 .Under 1 year
1..99 .1 to 99 years (Top-coded)

CIT  Character  1
Citizenship status
1 .Born in the U.S.
2 .Born in Puerto Rico, Guam, the U.S. Virgin Islands, or the
   Northern Marianas
3 .Born abroad of American parent(s)
4 .U.S. citizen by naturalization
5 .Not a citizen of the U.S.

CITWP  Numeric  4
Year of naturalization write-in
bbbb .Not eligible - not naturalized
1944 .1944 or earlier (Bottom-coded)
1945 .1945 - 1947
1948 .1948 - 1949
1950 .1950
1951 .1951
1952 .1952
1953 .1953
1954 .1954
1955 .1955
1956 .1956
1957 .1957
1958 .1958
1959 .1959
1960 .1960
1961 .1961
1962 .1962
1963 .1963
1964 .1964
1965 .1965
1966 .1966
1967 .1967
1968 .1968
1969 .1969
1970 .1970
1971 .1971
1972 .1972
1973 .1973
1974 .1974
1975 .1975
1976 .1976
1977 .1977
1978 .1978
1979 .1979
COW Character 1

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

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<tr>
<th>DDRS</th>
<th>Character 1</th>
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<tbody>
<tr>
<td>Self-care difficulty</td>
<td></td>
</tr>
<tr>
<td>b. N/A (Less than 5 years old)</td>
<td>1. Yes</td>
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<tr>
<td>2. No</td>
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<tr>
<th>DEAR</th>
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<tbody>
<tr>
<td>Hearing difficulty</td>
<td></td>
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<tr>
<td>1. Yes</td>
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<tbody>
<tr>
<td>Vision difficulty</td>
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<tr>
<td>1. Yes</td>
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<tbody>
<tr>
<td>Independent living difficulty</td>
<td></td>
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<tr>
<td>b. N/A (Less than 15 years old)</td>
<td>1. Yes</td>
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<tr>
<td>2. No</td>
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<tbody>
<tr>
<td>Ambulatory difficulty</td>
<td></td>
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<tr>
<td>b. N/A (Less than 5 years old)</td>
<td>1. Yes</td>
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<tr>
<th>DRAT</th>
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<tbody>
<tr>
<td>Veteran service connected disability rating (percentage)</td>
<td></td>
</tr>
<tr>
<td>b. N/A (No service-connected disability/never served in military)</td>
<td>1. 0 percent</td>
</tr>
<tr>
<td>2. 10 or 20 percent</td>
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<td>3. 30 or 40 percent</td>
<td></td>
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<tr>
<td>4. 50 or 60 percent</td>
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<tr>
<td>5. 70, 80, 90, or 100 percent</td>
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<tr>
<td>6. Not reported</td>
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<th>Character 1</th>
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<tbody>
<tr>
<td>Veteran service connected disability rating (checkbox)</td>
<td></td>
</tr>
<tr>
<td>b. N/A (Less than 17 years old/never served in military)</td>
<td>1. Yes</td>
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<tr>
<td>2. No</td>
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<tr>
<td>Cognitive difficulty</td>
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<td>b. N/A (Less than 5 years old)</td>
<td>1. Yes</td>
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<td>2. No</td>
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<thead>
<tr>
<th>ENG</th>
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<tbody>
<tr>
<td>Ability to speak English</td>
<td></td>
</tr>
<tr>
<td>b. N/A (less than 5 years old/speaks only English)</td>
<td></td>
</tr>
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</table>
1. Very well
2. Well
3. Not well
4. Not at all

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

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

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

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

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

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

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

HINS4 Character 1
Medicaid, Medical Assistance, or any kind of government-assistance plan for those with low incomes or a disability
1. Yes
2. No
HINS5  Character 1
TRICARE or other military health care
1 .Yes
2 .No

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

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

INTP  Numeric 6
Interest, dividends, and net rental income past 12 months (signed, use ADJINC to adjust to constant dollars)
bbbbbb .N/A (less than 15 years old)
0 .None
-10000..-4 .Loss $4 to $10000 (Rounded and bottom-coded)
000001..999999 .$1 to $999999 (Rounded and top-coded)

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

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

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

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

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

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

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

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

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

MARHYP Numeric 4  
Year last married
bbbb .N/A (age less than 15 years; never married)
1940 .1940 or earlier (Bottom-coded)
1941 .1941
1942 .1942
1943 .1943
1944 .1944
1945 .1945
1946 .1946
1947 .1947
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2005 .2005
2006 .2006
2007 .2007
2008 .2008
2009 .2009
2010 .2010
2011 .2011
2012 .2012
2013 .2013
2014 .2014
2015 .2015
2016 .2016
2017 .2017
2018 .2018
2019 .2019

**MIG**

**Character 1**

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

**MIL**

**Character 1**

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

**MLPA**

**Character 1**

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

**MLPB**

**Character 1**

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

**MLPCD**

**Character 1**

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

**MLPE**

**Character 1**

Served Vietnam era (August 1964 - April 1975)
- b .N/A (Less than 17 years old/no active duty)
  - 0 .Did not serve this period
  - 1 .Served this period
MLPFG  Character 1
Served February 1955 - July 1964
b .N/A (less than 17 years old/no active duty)
0 .Did not serve this period
1 .Served this period

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

MLPI  Character 1
Served January 1947 - June 1950
b .N/A (Less than 17 years old/no active duty)
0 .Did not serve this period
1 .Served this period

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

MLPK  Character 1
Served November 1941 or earlier
b .N/A (Less than 17 years old/no active duty)
0 .Did not serve this period
1 .Served this period

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

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

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

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

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

### OIP Numeric 6
All other income past 12 months (use ADJINC to adjust to constant dollars)
bbbbb .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)
bbbbb .N/A (less than 15 years old)
0 .None
4..30000 .$4 to $30000 (Rounded)

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

### RETP Numeric 6
Retirement income past 12 months (use ADJINC to adjust to constant dollars)
bbbbbb .N/A (less than 15 years old)
0 .None
4..999999 .$4 to $999999 (Rounded and top-coded)
SCH Character 1

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

SCHG Character 2

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

SCHL Character 2

Educational attainment
bb .N/A (less than 3 years old)
01 .No schooling completed
02 .Nursery school, preschool
03 .Kindergarten
04 .Grade 1
05 .Grade 2
06 .Grade 3
07 .Grade 4
08 .Grade 5
09 .Grade 6
10 .Grade 7
11 .Grade 8
12 .Grade 9
13 .Grade 10
14 .Grade 11
15 .12th grade - no diploma
16 .Regular high school diploma
17 .GED or alternative credential
18 .Some college, but less than 1 year
19 .1 or more years of college credit, no degree
20 .Associate's degree
21 .Bachelor's degree
22 .Master's degree
23 .Professional degree beyond a bachelor's degree
24 .Doctorate degree
<table>
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<th>Type</th>
<th>Description</th>
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<td>SEMP</td>
<td>Numeric 6</td>
<td>Self-employment income past 12 months (signed, use ADJINC to adjust SEMP to constant dollars)</td>
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<td>SEX</td>
<td>Character 1</td>
<td>Sex</td>
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<tr>
<td>SSIP</td>
<td>Numeric 5</td>
<td>Supplementary Security Income past 12 months (use ADJINC to adjust SSIP to constant dollars)</td>
</tr>
<tr>
<td>SSP</td>
<td>Numeric 5</td>
<td>Social Security income past 12 months (use ADJINC to adjust SSP to constant dollars)</td>
</tr>
<tr>
<td>WAGP</td>
<td>Numeric 6</td>
<td>Wages or salary income past 12 months (use ADJINC to adjust WAGP to constant dollars)</td>
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<td>WKHP</td>
<td>Numeric 2</td>
<td>Usual hours worked per week past 12 months</td>
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<td>WKL</td>
<td>Character 1</td>
<td>When last worked</td>
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<tr>
<td>WKW</td>
<td>Character 1</td>
<td>Weeks worked during past 12 months</td>
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</tbody>
</table>
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
1929 .1929 or earlier (Bottom-coded)
1930 .1930 - 1934
1935 .1935 - 1938
1939 .1939 - 1940
1941 .1941 - 1942
1943 .1943 - 1944
1945 .1945
1946 .1946
1947 .1947
1948 .1948
1949 .1949
1950 .1950
1951 .1951
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1954 .1954
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1966 .1966
1967 .1967
1968 .1968
1969 .1969
1970 .1970
1971 .1971
1972 .1972
1973 .1973
1974 .1974
1975 .1975
1976 .1976
1977 .1977
PERSON RECORD-RECODED PERSON VARIABLES

ANC  Character  1
Ancestry recode
1 .Single
2 .Multiple
3 .Unclassified
4 .Not reported
8 .Suppressed for data year 2018 for select PUMAs

ANC1P Character  3
Ancestry recode - first entry
000 .Suppressed for data year 2018 for select PUMAs
001 .Alsatian
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200. Spaniard
210. Mexican
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212. Mexicanano
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
423. Kuwaiti (2017 or later)
425. Lebanese
427. Saudi Arabian
429. Syrian
431. Armenian
434. Turkish
435. Yemeni
442. Kurdish
465. Palestinian
483. Assyrian
484. Chaldean
490. Middle East
495. Arab
496. Arabic
499. Other Arab
508. Cameroonian
510. Cape Verdean
515. Congolese
522. Ethiopian
523. Eritrean
527. Gambian (2017 or later)
529. Ghanaian
530. Guinean (2017 or later)
534. Kenyan
541. Liberian
553. Nigerian
564. Senegalese
566. Sierra Leonean
568. Somali
570. South African
576. Sudanese
586. Togolese (2017 or later)
587. Other Subsaharan African
588. Ugandan
593. Zimbabwean (2017 or later)
598. Western African
599. African
600. Afghan
603. Bangladeshi
607. Bhutanese
609. Nepali
615. Asian Indian
618. Bengali
620. East Indian
650. Punjabi
680 . Pakistani
690 . Sri Lankan
700 . Burmese
703 . Cambodian
706 . Chinese
707 . Cantonese
712 . Mongolian
714 . Tibetan
716 . Hong Kong (2017 or later)
720 . Filipino
730 . Indonesian
740 . Japanese
748 . Okinawan
750 . Korean
765 . Laotian
768 . Hmong
770 . Malaysian
776 . Thai
782 . Taiwanese
785 . Vietnamese
793 . Eurasian (2016 or earlier)
795 . Asian
799 . Other Asian
800 . Australian
803 . New Zealander
808 . Polynesian
811 . Hawaiian
814 . Samoan
815 . Tongan
820 . Micronesian
821 . Guamanian
822 . Chamorro
824 . Palauan (2017 or later)
825 . Marshallese
841 . Fijian
850 . Pacific Islander
899 . Other Pacific
900 . Afro American
901 . Afro
902 . African American
903 . Black
904 . Negro
907 . Creole
913 . Central American Indian
914 . South American Indian
917 . Native American
918 . Indian
919 . Cherokee
920 . American Indian
921 . Aleut (2016 or earlier)
922 . Eskimo
924 . White
925 . Anglo
927 . Appalachian
929 . Pennsylvania German
931 . Canadian
935 . French Canadian
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**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
Somali
South African
Sudanese
Togo (2017 or later)
Other Subsaharan African
Ugandan
Zimbabwean (2017 or later)
Western African
African
Afghan
Bangladeshi
Bhutanese
Nepali
Asian Indian
Bengali
East Indian
Punjabi
Pakistani
Sri Lankan
Burmese
Cambodian
Chinese
Cantonese
Mongolian
Tibetan
Hong Kong (2017 or later)
Filipino
Indonesian
Japanese
Okinawan
Korean
Laotian
Hmong
Malaysian
Thai
Taiwanese
Vietnamese
Eurasian (2016 or earlier)
Asian
Other Asian
Australian
New Zealander
Polynesian
Hawaiian
Samoa
Tongan
Micronesian
Guamanian
Chamorro
Palauan (2017 or later)
Marshallese
Fijian
Pacific Islander
Other Pacific
Afro American
Afro
African American
903 .Black
904 .Negro
907 .Creole
913 .Central American Indian
914 .South American Indian
917 .Native American
918 .Indian
919 .Cherokee
920 .American Indian
921 .Aleut (2016 or earlier)
922 .Eskimo
924 .White
925 .Anglo
927 .Appalachian
929 .Pennsylvania German
931 .Canadian
935 .French Canadian
936 .Acadian (2017 or later)
937 .Cajun
939 .American
940 .United States
970 .New Mexico (2017 or later)
983 .Texas
994 .North American
995 .Mixture
996 .Uncodable entries
997 .Other groups
998 .Other responses
999 .Not reported

DECADEN 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
Science And Computer Teacher Education
Secondary Teacher Education
Special Needs Education
Social Science Or History Teacher Education
Teacher Education: Multiple Levels
Language And Drama Education
Art And Music Education
Miscellaneous Education
General Engineering
Aerospace Engineering
Biological Engineering
Architectural Engineering
Biomedical Engineering
Chemical Engineering
Civil Engineering
Computer Engineering
Engineering Mechanics Physics And Science
Environmental Engineering
Geological And Geophysical Engineering
Industrial And Manufacturing Engineering
Materials Engineering And Materials Science
Mechanical Engineering
Metallurgical Engineering
Mining And Mineral Engineering
Naval Architecture And Marine Engineering
Nuclear Engineering
Petroleum Engineering
Miscellaneous Engineering
Engineering Technologies
Engineering And Industrial Management
Electrical Engineering Technology
Industrial Production Technologies
Mechanical Engineering Related Technologies
Miscellaneous Engineering Technologies
Linguistics And Comparative Language And Literature
French German Latin And Other Common Foreign Language Studies
Other Foreign Languages
Family And Consumer Sciences
Court Reporting
Pre-Law And Legal Studies
English Language And Literature
Composition And Rhetoric
Liberal Arts
Humanities
Library Science
Biology
Biochemical Sciences
Botany
Molecular Biology
Ecology
Genetics
Microbiology
Pharmacology
Physiology
Zoology
3611 . Neurosciences
3699 . Miscellaneous Biology
3700 . Mathematics
3701 . Applied Mathematics
3702 . Statistics and Decision Science
3801 . Military Technologies
4000 . Multi/Interdisciplinary Studies
4001 . Intercultural and International Studies
4002 . Nutrition Sciences
4005 . Mathematics and Computer Science
4006 . Cognitive Science and Biopsychology
4007 . Interdisciplinary Social Sciences
4101 . Physical Fitness, Parks, Recreation, and Leisure
4801 . Philosophy and Religious Studies
4901 . Theology and Religious Vocations
5000 . Physical Sciences
5001 . Astronomy and Astrophysics
5002 . Atmospheric Sciences and Meteorology
5003 . Chemistry
5004 . Geology and Earth Science
5005 . Geosciences
5006 . Oceanography
5007 . Physics
5008 . Materials Science
5098 . Multi-Disciplinary or General Science
5102 . Nuclear, Industrial Radiology, and Biological Technologies
5200 . Psychology
5201 . Educational Psychology
5202 . Clinical Psychology
5203 . Counseling Psychology
5205 . Industrial and Organizational Psychology
5206 . Social Psychology
5299 . Miscellaneous Psychology
5301 . Criminal Justice and Fire Protection
5401 . Public Administration
5402 . Public Policy
5403 . Human Services and Community Organization
5404 . Social Work
5500 . General Social Sciences
5501 . Economics
5502 . Anthropology and Archeology
5503 . Criminology
5504 . Geography
5505 . International Relations
5506 . Political Science and Government
5507 . Sociology
5599 . Miscellaneous Social Sciences
5601 . Construction Services
5701 . Electrical, Mechanical, and Precision Technologies and Production
5901 . Transportation Sciences and Technologies
6000 . Fine Arts
6001 . Drama and Theater Arts
6002 . Music
6003 . Visual and Performing Arts
6004 . Commercial Art and Graphic Design
6005 . Film Video and Photographic Arts
6006. Art History And Criticism
6007. Studio Arts
6009. 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
6400. History
6403. United States History

FOD2P Character 4
Recoded field of degree - second entry

bbbb. N/A (Less Than Bachelor's Degree)
1100. General Agriculture
1101. Agriculture Production And Management
1102. Agricultural Economics
1103. Animal Sciences
1104. Food Science
1105. Plant Science And Agronomy
1106. Soil Science
1199. Miscellaneous Agriculture
1301. Environmental Science
1302. Forestry
1303. Natural Resources Management
1401. Architecture
1501. Area Ethnic And Civilization Studies
1901. Communications
1902. Journalism
1903. Mass Media
1904. Advertising And Public Relations
2001. Communication Technologies
2100. Computer And Information Systems
2101. Computer Programming And Data Processing
2102. Computer Science
2105. Information Sciences
2106. Computer Administration Management And Security
2107. Computer Networking And Telecommunications
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6000 .Fine Arts
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6204 .Operations Logistics And E-Commerce
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6206 .Marketing And Marketing Research
6207 .Finance
6209 .Human Resources And Personnel Management
6210 .International Business
6211 .Hospitality Management
6212 .Management Information Systems And Statistics
6299 .Miscellaneous Business and Medical Administration
6402 .History
6403 .United States History

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

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

**INDP Character 4**

Industry recode for 2018 and later based on 2017 IND codes

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 Products

61
1770 .MFG-Footwear
1790 .MFG-Leather And Hide Tanning And Finishing, And Other Leather And Allied Product
1870 .MFG-Pulp, Paper, And Paperboard Mills
1880 .MFG-Paperboard Container
1890 .MFG-Miscellaneous Paper And Pulp Products
1990 .MFG-Printing And Related Support Activities
2070 .MFG-Petroleum Refining
2090 .MFG-Miscellaneous Petroleum And Coal Products
2170 .MFG-Resin, Synthetic Rubber, And Fibers And Filaments
2180 .MFG-Agricultural Chemical
2190 .MFG-Pharmaceutical And Medicine
2270 .MFG-Paint, Coating, And Adhesive
2280 .MFG-Soap, Cleaning Compound, And Cosmetics
2290 .MFG-Industrial And Miscellaneous Chemicals
2370 .MFG-Plastics Product
2380 .MFG-Tire
2390 .MFG-Rubber Products, Except Tires
2470 .MFG-Pottery, Ceramics, And Plumbing Fixture
2480 .MFG-Clay Building Material And Refractories
2490 .MFG-Glass And Glass Product
2570 .MFG-Cement, Concrete, Lime, And Gypsum Product
2590 .MFG-Miscellaneous Nonmetallic Mineral Product
2670 .MFG-Iron And Steel Mills And Steel Product
2680 .MFG-Aluminum Production And Processing
2690 .MFG-Nonferrous Metal (Except Aluminum) Production And Processing
2770 .MFG-Foundries
2780 .MFG-Metal Forgings And Stampings
2790 .MFG-Cutlery And Hand Tool
2870 .MFG-Structural Metals, And Boiler, Tank, And Shipping Container
2880 .MFG-Machine Shops; Turned Product; Screw, Nut, And Bolt Activities
2890 .MFG-Coating, Engraving, Heat Treating, And Allied Activities
2970 .MFG-Ordnance
2980 .MFG-Miscellaneous Fabricated Metal Products
2990 .MFG-Not Specified Metal Industries
3070 .MFG-Agricultural Implement
3080 .MFG-Construction, And Mining And Oil And Gas Field Machinery
3095 .MFG-Commercial And Service Industry Machinery
3170 .MFG-Metalworking Machinery
3180 .MFG-Engine, Turbine, And Power Transmission Equipment
3291 .MFG-Machinery, N.E.C. Or Not Specified
3365 .MFG-Computer And Peripheral Equipment
3370 .MFG-Communications, Audio, And Video Equipment
3380 .MFG-Navigational, Audio, And Electromedical, And Control Instruments
3390 .MFG-Electronic Component And Product, N.E.C.
3470 .MFG-Household Appliance
3490 .MFG-Electric Lighting And Electrical Equipment, And Other Electrical Component, N.E.C.
3570 .MFG-Motor Vehicles And Motor Vehicle Equipment
3580 .MFG-Aircraft And Parts
3590 .MFG-Aerospace Products And Parts
3670 .MFG-Railroad Rolling Stock
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<tr>
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<tbody>
<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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<tr>
<td>3875</td>
<td>MFG-Miscellaneous Wood Products</td>
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<tr>
<td>3895</td>
<td>MFG-Furniture And Related Product</td>
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<tr>
<td>3960</td>
<td>MFG-Medical Equipment And Supplies</td>
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<tr>
<td>3970</td>
<td>MFG-Sporting And Athletic Goods, And Doll, Toy And Game</td>
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<tr>
<td>3980</td>
<td>MFG-Miscellaneous Manufacturing, N.E.C.</td>
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<tr>
<td>3990</td>
<td>MFG-Not Specified Manufacturing Industries</td>
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<tr>
<td>4070</td>
<td>WHL-Motor Vehicle And Motor Vehicle Parts And Supplies</td>
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<tr>
<td>4080</td>
<td>WHL-Furniture And Home Furnishing Merchant Wholesalers</td>
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<tr>
<td>4090</td>
<td>WHL-Lumber And Other Construction Materials Merchant</td>
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<tr>
<td>4170</td>
<td>WHL-Professional And Commercial Equipment And Supplies</td>
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<tr>
<td>4180</td>
<td>WHL-Metals And Minerals, Except Petroleum, Merchant</td>
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<tr>
<td>4195</td>
<td>WHL-Household Appliances And Electrical And Electronic</td>
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<tr>
<td>4265</td>
<td>WHL-Hardware, And Plumbing And Heating Equipment, And</td>
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<tr>
<td>4270</td>
<td>WHL-Machinery, Equipment, And Supplies Merchant Wholesalers</td>
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<tr>
<td>4280</td>
<td>WHL-Recyclable Material Merchant Wholesalers</td>
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<tr>
<td>4290</td>
<td>WHL-Miscellaneous Durable Goods Merchant Wholesalers</td>
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<tr>
<td>4370</td>
<td>WHL-Paper And Paper Products Merchant Wholesalers</td>
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<tr>
<td>4380</td>
<td>WHL-Drugs, Sundries, And Chemical And Allied Products</td>
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<td>4390</td>
<td>WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers</td>
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<td>WHL-Grocery And Related Product Merchant Wholesalers</td>
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<td>4480</td>
<td>WHL-Farm Product Raw Material Merchant Wholesalers</td>
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<tr>
<td>4490</td>
<td>WHL-Petroleum And Petroleum Products Merchant Wholesalers</td>
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<tr>
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<td>WHL-Alcoholic Beverages Merchant Wholesalers</td>
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<td>WHL-Farm Supplies Merchant Wholesalers</td>
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<td>WHL-Miscellaneous Nondurable Goods Merchant Wholesalers</td>
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<td>4585</td>
<td>WHL-Wholesale Electronic Markets And Agents And Brokers</td>
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<td>WHL-Not Specified Wholesale Trade</td>
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<tr>
<td>4670</td>
<td>RET-Automobile Dealers</td>
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<td>4680</td>
<td>RET-Other Motor Vehicle Dealers</td>
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<tr>
<td>4690</td>
<td>RET-Automotive Parts, Accessories, And Tire Stores</td>
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<tr>
<td>4770</td>
<td>RET-Furniture And Home Furnishings Stores</td>
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<tr>
<td>4780</td>
<td>RET-Household Appliance Stores</td>
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<tr>
<td>4795</td>
<td>RET-Electronics Stores</td>
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<td>4870</td>
<td>RET-Building Material And Supplies Dealers</td>
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<td>4880</td>
<td>RET-Hardware Stores</td>
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<tr>
<td>4890</td>
<td>RET-Lawn And Garden Equipment And Supplies Stores</td>
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<tr>
<td>4971</td>
<td>RET-Supermarkets and Other Grocery (Except Convenience)</td>
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<td>4990</td>
<td>RET-Convenience Stores</td>
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<td>4980</td>
<td>RET-Specialty Food Stores</td>
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<tr>
<td>4990</td>
<td>RET-Beer, Wine, And Liquor Stores</td>
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<td>5070</td>
<td>RET-Pharmacies And Drug Stores</td>
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<tr>
<td>5080</td>
<td>RET-Health And Personal Care, Except Drug, Stores</td>
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<td>5090</td>
<td>RET-Gasoline Stations</td>
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<tr>
<td>5170</td>
<td>RET-Clothing Stores</td>
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</tbody>
</table>
5180 .RET-Shoe Stores
5190 .RET-Jewelry, Luggage, And Leather Goods Stores
5275 .RET-Sporting Goods, And Hobby And Toy Stores
5280 .RET-Sewing, Needlework, And Piece Goods Stores
5295 .RET-Musical Instrument And Supplies Stores
5370 .RET-Book Stores And News Dealers
5381 .RET-Department Stores
5391 .RET-General Merchandise Stores, Including Warehouse Clubs and Supercenters
5470 .RET-Florists
5480 .RET-Office Supplies And Stationery Stores
5490 .RET-Used Merchandise Stores
5570 .RET-Gift, Novelty, And Souvenir Shops
5580 .RET-Miscellaneous Retail Stores
5593 .RET-Electronic Shopping And Mail-Order Houses
5670 .RET-Vending Machine Operators
5680 .RET-Fuel Dealers
5690 .RET-Other Direct Selling Establishments
5790 .RET-Not Specified Retail Trade
6070 .TRN-Air Transportation
6080 .TRN-Rail Transportation
6090 .TRN-Water Transportation
6170 .TRN-Truck Transportation
6180 .TRN-Bus Service And Urban Transit
6190 .TRN-Taxi And Limousine Service
6270 .TRN-Pipeline Transportation
6280 .TRN-Scenic And Sightseeing Transportation
6290 .TRN-Services Incidental To Transportation
6370 .TRN-Postal Service
6380 .TRN-Couriers And Messengers
6390 .TRN-Warehousing And Storage
6470 .INF-Newspaper Publishers
6480 .INF-Periodical, Book, And Directory Publishers
6490 .INF-Software Publishers
6570 .INF-Motion Pictures And Video Industries
6590 .INF-Sound Recording Industries
6670 .INF-Broadcasting (Except Internet)
6672 .INF-Internet Publishing And Broadcasting And Web Search Portals
6680 .INF-Wired Telecommunications Carriers
6690 .INF-Telecommunications, Except Wired Telecommunications Carriers
6695 .INF-Data Processing, Hosting, And Related Services
6770 .INF-Libraries And Archives
6780 .INF-Other Information Services, Except Libraries And Archives, And Internet Publishing And Broadcasting And Web Search Portals
6870 .FIN-Banking And Related Activities
6880 .FIN-Savings Institutions, Including Credit Unions
6890 .FIN-Nondepository Credit And Related Activities
6970 .FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments
6991 .FIN-Insurance Carriers
6992 .FIN-Agencies, Brokerages, And Other Insurance Related Activities
7071 .FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers
7072 .FIN—Real Estate Property Managers, Offices Of Real Estate 
  Appraisers, And Other Activities Related To Real Estate
7080 .FIN—Automotive Equipment Rental And Leasing
7181 .FIN—Other Consumer Goods Rental
7190 .FIN—Commercial, Industrial, And Other Intangible Assets 
  Rental And Leasing
7270 .PRF—Legal Services
7280 .PRF—Accounting, Tax Preparation, Bookkeeping, And Payroll 
  Services
7290 .PRF—Architectural, Engineering, And Related Services
7370 .PRF—Specialized Design Services
7380 .PRF—Computer Systems Design And Related Services
7390 .PRF—Management, Scientific, And Technical Consulting 
  Services
7460 .PRF—Scientific Research And Development Services
7470 .PRF—Advertising, Public Relations, And Related Services
7480 .PRF—Veterinary Services
7490 .PRF—Other Professional, Scientific, And Technical Services
7570 .PRF—Management Of Companies And Enterprises
7580 .PRF—Employment Services
7590 .PRF—Business Support Services
7670 .PRF—Travel Arrangements And Reservation Services
7680 .PRF—Investigation And Security Services
7690 .PRF—Services To Buildings And Dwellings (Except Cleaning 
  During Construction And Immediately After Construction)
7770 .PRF—Landscaping Services
7780 .PRF—Other Administrative And Other Support Services
7790 .PRF—Waste Management And Remediation Services
7860 .EDU—Elementary And Secondary Schools
7870 .EDU—Colleges, Universities, And Professional Schools, 
  Including Junior Colleges
7880 .EDU—Business, Technical, And Trade Schools And Training
7890 .EDU—Other Schools And Instruction, And Educational Support 
  Services
7970 .MED—Offices Of Physicians
7980 .MED—Offices Of Dentists
7990 .MED—Offices Of Chiropractors
8070 .MED—Offices Of Optometrists
8080 .MED—Offices Of Other Health Practitioners
8090 .MED—Outpatient Care Centers
8170 .MED—Home Health Care Services
8180 .MED—Other Health Care Services
8191 .MED—General Medical And Surgical Hospitals, And Specialty 
  (Except Psychiatric And Substance Abuse) Hospitals
8192 .MED—Psychiatric And Substance Abuse Hospitals
8270 .MED—Nursing Care Facilities (Skilled Nursing Facilities)
8290 .MED—Residential Care Facilities, Except Skilled Nursing 
  Facilities
8370 .SCA—Individual And Family Services
8380 .SCA—Community Food And Housing, And Emergency Services
8390 .SCA—Vocational Rehabilitation Services
8470 .SCA—Child Day Care Services
8561 .ENT—Performing Arts Companies
8562 .ENT—Spectator Sports
8563 .ENT—Promoters Of Performing Arts, Sports, And Similar 
  Events, Agents And Managers For Artists, Athletes, 
  Entertainers, And Other Public Figures
.ENT-Independent Artists, Writers, And Performers
.ENT-Museums, Art Galleries, Historical Sites, And Similar Institutions
.ENT-Bowling Centers
.ENT-Other Amusement, Gambling, And Recreation Industries
.ENT-Traveler Accommodation
.ENT-Recreational Vehicle Parks And Camps, And Rooming And Boarding Houses, Dormitories, And Workers' Camps
.ENT-Restaurants And Other Food Services
.ENT-Drinking Places, Alcoholic Beverages
.ENT-Automotive Repair And Maintenance
.ENT-Commercial And Industrial Machinery And Equipment Repair And Maintenance
.ENT-Personal And Household Goods Repair And Maintenance
.ENT-Barber Shops
.ENT-Beauty Salons
.ENT-Nail Salons And Other Personal Care Services
.ENT-Drycleaning And Laundry Services
.ENT-Funeral Homes, And Cemeteries And Crematories
.ENT-Other Personal Services
.ENT-Religious Organizations
.ENT-Civic, Social, Advocacy Organizations, And Grantmaking And Giving Services
.ENT-Labor Unions
.ENT-Business, Professional, Political, And Similar Organizations
.ADM-Executive Offices And Legislative Bodies
.ADM-Public Finance Activities
.ADM-Other General Government And Support
.ADM-Justice, Public Order, And Safety Activities
.ADM-Administration Of Human Resource Programs
.ADM-Administration Of Environmental Quality And Housing Programs
.ADM-Administration Of Economic Programs And Space Research
.ADM-National Security And International Affairs
.MIL-U.S. Army
.MIL-U.S. Air Force
.MIL-U.S. Navy
.MIL-U.S. Marines
.MIL-U.S. Coast Guard
.MIL-Armed Forces, Branch Not Specified
.MIL-Military Reserves Or National Guard
.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

- .N/A (not a worker; worker who worked at home)
- .12:00 a.m. to 12:04 a.m.
- .12:05 a.m. to 12:09 a.m.
- .12:10 a.m. to 12:14 a.m.
- .12:15 a.m. to 12:19 a.m.
- .12:20 a.m. to 12:24 a.m.
<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>006 12:25 a.m. to 12:29 a.m.</td>
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<tr>
<td>007 12:30 a.m. to 12:39 a.m.</td>
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<td>008 12:40 a.m. to 12:44 a.m.</td>
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<td>009 12:45 a.m. to 12:49 a.m.</td>
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<td>010 12:50 a.m. to 12:59 a.m.</td>
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<tr>
<td>011 1:00 a.m. to 1:04 a.m.</td>
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<td>012 1:05 a.m. to 1:09 a.m.</td>
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<td>013 1:10 a.m. to 1:14 a.m.</td>
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<td>014 1:15 a.m. to 1:19 a.m.</td>
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<td>016 1:25 a.m. to 1:29 a.m.</td>
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<td>021 1:50 a.m. to 1:59 a.m.</td>
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<td>022 2:00 a.m. to 2:04 a.m.</td>
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<td>030 2:40 a.m. to 2:44 a.m.</td>
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<td>031 2:45 a.m. to 2:49 a.m.</td>
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<td>032 2:50 a.m. to 2:54 a.m.</td>
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<td>034 3:00 a.m. to 3:04 a.m.</td>
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<td>042 3:40 a.m. to 3:44 a.m.</td>
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<td>047 4:05 a.m. to 4:09 a.m.</td>
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<td>058 5:00 a.m. to 5:04 a.m.</td>
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<td>062 5:20 a.m. to 5:24 a.m.</td>
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<td>Time</td>
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<td>06:25 a.m.</td>
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JWDP  Character  3
Time of departure for work - hour and minute
bbb .N/A (not a worker; worker who worked at home)
001 .12:00 a.m. to 12:29 a.m.
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LANP  Character  4
Language other than English spoken at home

bbbbb  N/A (GQ/vacant)
1000  Jamaican Creole English
1025  Other English-based Creole languages
1055  Haitian
1069  Kabuverdianu
1110  German
1120  Swiss German
1125  Pennsylvania German
1130  Yiddish
1132  Dutch
1134  Afrikaans
1140  Swedish
1141  Danish
1142  Norwegian
1155  Italian
1170  French
1175  Cajun French
1200  Spanish
1210  Portuguese
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7050 .Cherokee
7059 .Zuni (2016 or earlier)
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9999 .Other and unspecified languages

MIGPUMA Character 5
Migration PUMA based on 2010 Census definition
bbbb .N/A (person less than 1 year old/lived in same house 1 year ago)
00001 .Did not live in the United States or in Puerto Rico one year ago
00002 .Lived in Puerto Rico one year ago and current residence is in the U.S.
00100..70100 .Assigned Migration PUMA. Use with MIGSP.

MIGSP Character 3
Migration recode - State or foreign country code
bbb .N/A (person less than 1 year old/lived in same house 1 year ago)
001 .Alabama/AL
002 .Alaska/AK
004 .Arizona/AZ
005 .Arkansas/AR
006 .California/CA
008 .Colorado/CO
009 .Connecticut/CT
010 .Delaware/DE
011 .District of Columbia/DC
012 .Florida/FL
013 .Georgia/GA
015 .Hawaii/HI
016 .Idaho/ID
017 .Illinois/IL
018 .Indiana/IN
019 .Iowa/IA
020 .Kansas/KS
021 .Kentucky/KY
022 .Louisiana/LA
023 .Maine/ME
024 .Maryland/MD
025 .Massachusetts/MA
026 .Michigan/MI
027 .Minnesota/MN
028 .Mississippi/MS
029 .Missouri/MO
030 .Montana/MT
031 .Nebraska/NE
032 .Nevada/NV
033 .New Hampshire/NH
034 .New Jersey/NJ
035 .New Mexico/NM
036 .New York/NY
037 .North Carolina/NC
038 .North Dakota/ND
039 .Ohio/OH
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<td>Jamaica</td>
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362 .Brazil
364 .Colombia
365 .Ecuador (2017 or later)
370 .Peru (2017 or later)
373 .Venezuela (2017 or later)
374 .South America, Not Specified
414 .Egypt
416 .Ethiopia (2017 or later)
427 .Kenya (2017 or later)
440 .Nigeria
467 .Western Africa, Not Specified
468 .Northern Africa or Other Africa, Not Specified
469 .Eastern Africa, Not Specified
501 .Australia
555 .Other US Island Areas, Oceania, Not Specified, or At Sea

MSP

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

NAICSP

Character  8
North American Industry Classification System (NAICS) recode for 2018 and later based on 2017 NAICS codes
bbbbbbbb .N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
111 .AGR-Crop Production
112 .AGR-Animal Production And Aquaculture
1133 .AGR-Logging
113M .AGR-Forestry Except Logging
114 .AGR-Fishing, Hunting And Trapping
115 .AGR-Support Activities For Agriculture And Forestry
211 .EXT-Oil And Gas Extraction
2121 .EXT-Coal Mining
2122 .EXT-Metal Ore Mining
2123 .EXT-Nonmetallic Mineral Mining And Quarrying
213 .EXT-Support Activities For Mining
2211P .UTL-Electric Power Generation, Transmission And Distribution
2212P .UTL-Natural Gas Distribution
22132 .UTL-Sewage Treatment Facilities
2213M .UTL-Water, Steam, Air-Conditioning, And Irrigation Systems
221MP .UTL-Electric And Gas, And Other Combinations
22S .UTL-Not Specified Utilities
23 .CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)
3113 .MFG-Sugar And Confectionery Products
3114 .MFG-Fruit And Vegetable Preserving And Specialty Food
3115 .MFG-Dairy Product
3116 .MFG-Animal Slaughtering And Processing
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<td>3331M</td>
<td>MFG-Construction, And Mining And Oil And Gas Field</td>
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<tr>
<td>3335</td>
<td>MFG-Metalworking Machinery</td>
</tr>
<tr>
<td>3336</td>
<td>MFG-Engine, Turbine, And Power Transmission Equipment</td>
</tr>
<tr>
<td>333MS</td>
<td>MFG-Machinery, N.E.C. Or Not Specified</td>
</tr>
<tr>
<td>3341</td>
<td>MFG-Computer And Peripheral Equipment</td>
</tr>
<tr>
<td>3345</td>
<td>MFG-Navigational, Measuring, Electromedical, And Control Instruments</td>
</tr>
<tr>
<td>334M1</td>
<td>MFG-Communications, Audio, And Video Equipment</td>
</tr>
<tr>
<td>334M2</td>
<td>MFG-Electronic Component And Product, N.E.C.</td>
</tr>
<tr>
<td>3352</td>
<td>MFG-Household Appliance</td>
</tr>
<tr>
<td>335M</td>
<td>MFG-Electric Lighting And Electrical Equipment, And Other Electrical Component, N.E.C.</td>
</tr>
<tr>
<td>33641M1</td>
<td>MFG-Aircraft And Parts</td>
</tr>
<tr>
<td>33641M2</td>
<td>MFG-Aerospace Products And Parts</td>
</tr>
<tr>
<td>3365</td>
<td>MFG-Railroad Rolling Stock</td>
</tr>
<tr>
<td>3366</td>
<td>MFG-Ship And Boat Building</td>
</tr>
<tr>
<td>3369</td>
<td>MFG-Other Transportation Equipment</td>
</tr>
<tr>
<td>336M</td>
<td>MFG-Motor Vehicles And Motor Vehicle Equipment</td>
</tr>
<tr>
<td>337</td>
<td>MFG-Furniture And Related Product</td>
</tr>
<tr>
<td>3391</td>
<td>MFG-Medical Equipment And Supplies</td>
</tr>
<tr>
<td>3399M</td>
<td>MFG-Sporting And Athletic Goods, And Doll, Toy And Game</td>
</tr>
<tr>
<td>33992M</td>
<td>MFG-Miscellaneous Manufacturing, N.E.C.</td>
</tr>
<tr>
<td>33MS</td>
<td>MFG-Not Specified Metal Industries</td>
</tr>
<tr>
<td>3MS</td>
<td>MFG-Not Specified Manufacturing Industries</td>
</tr>
<tr>
<td>4231</td>
<td>WHL-Motor Vehicle And Motor Vehicle Parts And Supplies</td>
</tr>
<tr>
<td>4232</td>
<td>WHL-Furniture And Home Furnishing Merchant Wholesalers</td>
</tr>
<tr>
<td>4233</td>
<td>WHL-Lumber And Other Construction Materials Merchant Wholesalers</td>
</tr>
<tr>
<td>4234</td>
<td>WHL-Professional And Commercial Equipment And Supplies Merchant Wholesalers</td>
</tr>
<tr>
<td>4235</td>
<td>WHL-Metals And Minerals, Except Petroleum, Merchant Wholesalers</td>
</tr>
<tr>
<td>4236</td>
<td>WHL-Household Appliances And Electrical And Electronic Goods Merchant Wholesalers</td>
</tr>
<tr>
<td>4237</td>
<td>WHL-Hardware, And Plumbing And Heating Equipment, And Supplies Merchant Wholesalers</td>
</tr>
<tr>
<td>4238</td>
<td>WHL-Machinery, Equipment, And Supplies Merchant Wholesalers</td>
</tr>
<tr>
<td>42393</td>
<td>WHL-Recyclable Material Merchant Wholesalers</td>
</tr>
<tr>
<td>42392</td>
<td>WHL-Miscellaneous Durable Goods Merchant Wholesalers</td>
</tr>
<tr>
<td>4241</td>
<td>WHL-Paper And Paper Products Merchant Wholesalers</td>
</tr>
<tr>
<td>4243</td>
<td>WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers</td>
</tr>
<tr>
<td>4244</td>
<td>WHL-Grocery And Related Product Merchant Wholesalers</td>
</tr>
<tr>
<td>4245</td>
<td>WHL-Farm Product Raw Material Merchant Wholesalers</td>
</tr>
<tr>
<td>4247</td>
<td>WHL-Petroleum And Petroleum Products Merchant Wholesalers</td>
</tr>
<tr>
<td>4248</td>
<td>WHL-Alcoholic Beverages Merchant Wholesalers</td>
</tr>
<tr>
<td>42491</td>
<td>WHL-Farm Supplies Merchant Wholesalers</td>
</tr>
<tr>
<td>42492</td>
<td>WHL-Miscellaneous Nondurable Goods Merchant Wholesalers</td>
</tr>
<tr>
<td>424M</td>
<td>WHL-Drugs, Sundries, And Chemical And Allied Products Merchant Wholesalers</td>
</tr>
<tr>
<td>4251</td>
<td>WHL-Wholesale Electronic Markets And Agents And Brokers</td>
</tr>
</tbody>
</table>
42S  .WHL-Not Specified Wholesale Trade
4411  .RET-Automobile Dealers
4412  .RET-Other Motor Vehicle Dealers
4413  .RET-Automotive Parts, Accessories, And Tire Stores
442  .RET-Furniture And Home Furnishings Stores
443141  .RET-Household Appliance Stores
443142  .RET-Electronics Stores
44413  .RET-Automotive Parts, Accessories, And Tire Stores
4441Z  .RET-Building Material And Supplies Dealers
4442  .RET-Lawn And Garden Equipment And Supplies Stores
44511  .RET-Supermarkets And Other Grocery (Except Convenience) Stores
44512  .RET-Convenience Stores
4452  .RET-Specialty Food Stores
4453  .RET-Beer, Wine, And Liquor Stores
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, Needlewrok, And Piece Goods Stores
45114  .RET-Musical Instrument And Supplies Stores
4511M  .RET-Sporting Goods, And Hobby And Toy Stores
45121  .RET-Book Stores And News Dealers
45221  .RET-Department Stores
4523  .RET-General Merchandise Stores, Including Warehouse Clubs and Supercenters
4531  .RET-Florists
45321  .RET-Office Supplies And Stationery Stores
45322  .RET-Gift, Novelty, And Souvenir Shops
4533  .RET-Used Merchandise Stores
45339  .RET-Miscellaneous Retail Stores
45410  .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-Warehouse 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
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 household, and not child in subfamily)
1. Living with two parents: Both parents NATIVE
2. Living with two parents: Father only FOREIGN BORN
3. Living with two parents: Mother only FOREIGN BORN
4. Living with two parents: BOTH parents FOREIGN BORN
5. Living with father only: Father NATIVE
6. Living with father only: Father FOREIGN BORN
7. Living with mother only: Mother NATIVE
8. Living with mother only: Mother FOREIGN BORN

OC **Character 1**

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

OCCP **Character 4**

Occupation recode for 2018 and later based on 2018 OCC codes
bbbb. N/A (less than 16 years old/NILF who last worked more than .5 years ago or never worked)
0010. MGR-Chief Executives And Legislators
0020. MGR-General And Operations Managers
0040. MGR-Advertising And Promotions Managers
0051. MGR-Marketing Managers
0052. MGR-Sales Managers
0060. MGR-Public Relations And Fundraising Managers
0101. MGR-Administrative Services Managers
0102. MGR-Facilities Managers
0110. MGR-Computer And Information Systems Managers
0120. MGR-Financial Managers
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
2920 .ENT-Photographers
3000 .MED-Chiropractors
3010 .MED-Dentists
3030 .MED-Dietitians And Nutritionists
3040 .MED-Optometrists
3050 .MED-Pharmacists
3090 .MED-Physicians
3100 .MED-Surgeons
3110 .MED-Physician Assistants
3120 .MED-Podiatrists
3140 .MED-Audiologists
3150 .MED-Occupational Therapists
3160 .MED-Physical Therapists
3200 .MED-Radiation Therapists
3210 .MED-Recreational Therapists
3220 .MED-Respiratory Therapists
3230 .MED-Speech-Language Pathologists
3245 .MED-Other Therapists
3250 .MED-Veterinarians
3255 .MED-Registered Nurses
3256 .MED-Nurse Anesthetists
3258 .MED-Nurse Practitioners, And Nurse Midwives
3261 .MED-Acupuncturists
3270 .MED-Healthcare Diagnosing Or Treating Practitioners, All Other
3300 .MED-Clinical Laboratory Technologists And Technicians
3310 .MED-Dental Hygienists
3321 .MED-Cardiovascular Technologists and Technicians
3322 .MED-Diagnostic Medical Sonographers
3323 .MED-Radiologic Technologists And Technicians
3324 .MED-Magnetic Resonance Imaging Technologists
3330 .MED-Nuclear Medicine Technologists and Medical Dosimetrists
3401 .MED-Emergency Medical Technicians
3402 .MED-Paramedics
3421 .MED-Pharmacy Technicians
3422 .MED-Psychiatric Technicians
3423 .MED-Surgical Technologists
3424 .MED-Veterinary Technologists and Technicians
3430 .MED-Dietetic Technicians And Ophthalmic Medical Technicians
3500 .MED-Licensed Practical And Licensed Vocational Nurses
3515 .MED-Medical Records Specialists
3520 .MED-Opticians, Dispensing
3545 .MED-Miscellaneous Health Technologists and Technicians
3550 .MED-Other Healthcare Practitioners and Technical Occupations
3601 .HLS-Home Health Aides
3602 .HLS-Personal Care Aides
3603 .HLS-Nursing Assistants
3605 .HLS-Orderlies and Psychiatric Aides
3610 .HLS-Occupational Therapy Assistants And Aides
3620 .HLS-Physical Therapist Assistants And Aides
3630 .HLS-Massage Therapists
3640 .HLS-Dental Assistants
3645 .HLS-Medical Assistants
3646 .HLS-Medical Transcriptionists
3647 .HLS-Pharmacy Aides
3648 .HLS-Veterinary Assistants And Laboratory Animal Caretakers
3649 .HLS-Phlebotomists
3655 .HLS-Other Healthcare Support Workers
3700 .PRT-First-Line Supervisors Of Correctional Officers
3710 .PRT-First-Line Supervisors Of Police And Detectives
3720 .PRT-First-Line Supervisors Of Firefighting And Prevention Workers
3725 .PRT-Miscellaneous First-Line Supervisors, Protective Service Workers
3740 .PRT-Firefighters
3750 .PRT-Fire Inspectors
3801 .PRT-Bailiffs
3802 .PRT-Correctional Officers and Jailers
3820 .PRT-Detectives And Criminal Investigators
3840 .PRT-Fish And Game Wardens And Parking Enforcement Officers
3870 .PRT-Police Officers
3900 .PRT-Animal Control Workers
3910 .PRT-Private Detectives And Investigators
3930 .PRT-Security Guards And Gambling Surveillance Officers
3940 .PRT-Crossing Guards And Flaggers
3945 .PRT-Transportation Security Screeners
3946 .PRT-School Bus Monitors
3960 .PRT-Other Protective Service Workers
4000 .EAT-Chefs And Head Cooks
4010 .EAT-First-Line Supervisors Of Food Preparation And Serving Workers
4020 .EAT-Cooks
4030 .EAT-Food Preparation Workers
4040 .EAT-Bartenders
4055 .EAT-Fast Food And Counter Workers
4110 .EAT-Waiters And Waitresses
4120 .EAT-Food Servers, Nonrestaurant
4130 .EAT-Dining Room And Cafeteria Attendants And Bartender Helpers
4140 .EAT-Dishwashers
4150 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee Shop
4160 .EAT-Food Preparation and Serving Related Workers, All Other
4200 .CLN-First-Line Supervisors Of Housekeeping And Janitorial Workers
4210 .CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers
4220 .CLN-Janitors And Building Cleaners
4230 .CLN-Maids And Housekeeping Cleaners
4240 .CLN-Pest Control Workers
4251 .CLN-Landscaping And Groundskeeping Workers
4252 .CLN-Tree Trimmers and Pruners
4255 .CLN-Other Grounds Maintenance Workers
4330 .PRS-Supervisors Of Personal Care And Service Workers
4340 .PRS-Animal Trainers
4350 .PRS-Animal Caretakers
4400 .PRS-Gambling Services Workers
4420 .PRS-Ushers, Lobby Attendants, And Ticket Takers
4435 .PRS-Other Entertainment Attendants And Related Workers
4461 .PRS-Embalmers, Crematory Operators And Funeral Attendants
4465 .PRS-Morticians, Undertakers, And Funeral Arrangers
4500 .PRS-Barbers
4510 .PRS-Hairdressers, Hairstylists, And Cosmetologists
4521 .PRS-Manicurists And Pedicurists
4522 .PRS-Skincare Specialists
4525 .PRS-Other Personal Appearance Workers
4530 .PRS-Baggage Porters, Bellhops, And Concierges
4540 .PRS-Tour And Travel Guides
4600 .PRS-Childcare Workers
4621 .PRS-Exercise Trainers And Group Fitness Instructors
4622 .PRS-Recreation Workers
4640 .PRS-Residential Advisors
4655 .PRS-Personal Care and Service Workers, All Other
4700 .SAL-First-Line Supervisors Of Retail Sales Workers
4710 .SAL-First-Line Supervisors Of Non-Retail Sales Workers
4720 .SAL-Cashiers
4740 .SAL-Counter And Rental Clerks
4750 .SAL-Parts Salespersons
4760 .SAL-Retail Salespersons
4800 .SAL-Advertising Sales Agents
4810 .SAL-Insurance Sales Agents
4820 .SAL-Securities, Commodities, And Financial Services Sales Agents
4830 .SAL-Travel Agents
4840 .SAL-Sales Representatives Of Services, Except Advertising, Insurance, Financial Services, And Travel
4850 .SAL-Sales Representatives, Wholesale And Manufacturing
4900 .SAL-Models, Demonstrators, And Product Promoters
4920 .SAL-Real Estate Brokers And Sales Agents
4930 .SAL-Sales Engineers
4940 .SAL-Telemarketers
4950 .SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers
4965 .SAL-Sales And Related Workers, All Other
5000 .OFF-First-Line Supervisors Of Office And Administrative Support Workers
5010 .OFF-Switchboard Operators, Including Answering Service
5020 .OFF-Telephone Operators
5040 .OFF-Communications Equipment Operators, All Other
5100 .OFF-Bill And Account Collectors
5110 .OFF-Billing And Posting Clerks
5120 .OFF-Bookkeeping, Accounting, And Auditing Clerks
5140 .OFF-Payroll And Timekeeping Clerks
5150 .OFF-Procurement Clerks
5160 .OFF-Tellers
5165 .OFF-Other Financial Clerks
5220 .OFF-Courts, Municipal, And License Clerks
5230 .OFF-Credit Authorizers, Checkers, And Clerks
5240 .OFF-Customer Service Representatives
5250 .OFF-Eligibility Interviewers, Government Programs
5260 .OFF-File Clerks
5300 .OFF-Hotel, Motel, And Resort Desk Clerks
5310 .OFF-Interviewers, Except Eligibility And Loan
5320 .OFF-Library Assistants, Clerical
5330 .OFF-Loan Interviewers And Clerks
5340 .OFF-New Accounts Clerks
5350 .OFF-Correspondence Clerks And Order Clerks
5360 .OFF-Human Resources Assistants, Except Payroll And .Timekeeping
5400 .OFF-Receptionists And Information Clerks
5410 .OFF-Reservation And Transportation Ticket Agents And Travel .Clerks
5420 .OFF-Other Information And Records Clerks
5500 .OFF-Cargo And Freight Agents
5510 .OFF-Couriers And Messenger
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, Measures, 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-Forestry And Conservation Workers
6130 .FFF-Logging Workers
6200 .CON-First-Line Supervisors Of Construction Trades And .Extraction Workers
6210 .CON-Boilermakers
93
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
<table>
<thead>
<tr>
<th>Code</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>8450</td>
<td>PRD-Upholsterers</td>
</tr>
<tr>
<td>8465</td>
<td>PRD-Other Textile, Apparel, And Furnishings Workers</td>
</tr>
<tr>
<td>8500</td>
<td>PRD-Cabinetmakers And Bench Carpenters</td>
</tr>
<tr>
<td>8510</td>
<td>PRD-Furniture Finishers</td>
</tr>
<tr>
<td>8530</td>
<td>PRD-Sawing Machine Setters, Operators, And Tenders, Wood</td>
</tr>
<tr>
<td>8540</td>
<td>PRD-Woodworking Machine Setters, Operators, And Tenders, Except Sawing</td>
</tr>
<tr>
<td>8555</td>
<td>PRD-Other Woodworkers</td>
</tr>
<tr>
<td>8600</td>
<td>PRD-Power Plant Operators, Distributors, And Dispatchers</td>
</tr>
<tr>
<td>8610</td>
<td>PRD-Stationary Engineers And Boiler Operators</td>
</tr>
<tr>
<td>8620</td>
<td>PRD-Water And Wastewater Treatment Plant And System Operators</td>
</tr>
<tr>
<td>8630</td>
<td>PRD-Miscellaneous Plant And System Operators</td>
</tr>
<tr>
<td>8640</td>
<td>PRD-Chemical Processing Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>8650</td>
<td>PRD-Crushing, Grinding, Polishing, Mixing, And Blending Workers</td>
</tr>
<tr>
<td>8710</td>
<td>PRD-Cutting Workers</td>
</tr>
<tr>
<td>8720</td>
<td>PRD-Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>8730</td>
<td>PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders</td>
</tr>
<tr>
<td>8740</td>
<td>PRD-Inspectors, Testers, Sorters, Samplers, And Weighers</td>
</tr>
<tr>
<td>8750</td>
<td>PRD-Jewelers And Precious Stone And Metal Workers</td>
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<td>8760</td>
<td>PRD-Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians</td>
</tr>
<tr>
<td>8800</td>
<td>PRD-Packaging And Filling Machine Operators And Tenders</td>
</tr>
<tr>
<td>8810</td>
<td>PRD-Painting Workers</td>
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<tr>
<td>8830</td>
<td>PRD-Photographic Process Workers And Processing Machine Operators</td>
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<td>8850</td>
<td>PRD-Adhesive Bonding Machine Operators And Tenders</td>
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<tr>
<td>8910</td>
<td>PRD-Etchers And Engravers</td>
</tr>
<tr>
<td>8920</td>
<td>PRD-Molders, Shapers, And Casters, Except Metal And Plastic</td>
</tr>
<tr>
<td>8930</td>
<td>PRD-Paper Goods Machine Setters, Operators, And Tenders</td>
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<tr>
<td>8940</td>
<td>PRD-Tire Builders</td>
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<td>PRD-Helpers--Production Workers</td>
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<td>8990</td>
<td>PRD-Miscellaneous Production Workers, Including Equipment Operators And Tenders</td>
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<td>9005</td>
<td>TRN-Supervisors Of Transportation And Material Moving Workers</td>
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<td>TRN-Aircraft Pilots And Flight Engineers</td>
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<td>9040</td>
<td>TRN-Air Traffic Controllers And Airfield Operations Specialists</td>
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<td>TRN-Flight Attendants</td>
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<td>9110</td>
<td>TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians</td>
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<tr>
<td>9122</td>
<td>TRN-Bus Drivers, Transit And Intercity</td>
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<tr>
<td>9130</td>
<td>TRN-Driver/Sales Workers And Truck Drivers</td>
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<tr>
<td>9141</td>
<td>TRN-Shuttle Drivers And Chauffeurs</td>
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<td>TRN-Taxi Drivers</td>
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<td>TRN-Railroad Conductors And Yardmasters</td>
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<td>TRN-Other Rail Transportation Workers</td>
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<td>9300</td>
<td>TRN-Sailors And Marine Oilers, And Ship Engineers</td>
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<td>9310</td>
<td>TRN-Ship And Boat Captains And Operators</td>
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</table>
PAOC  Character  1  
Presence and age of own children  
b  .N/A (male/female under 16 years old/OQ)  
1  .Females with own children under 6 years only  
2  .Females with own children 6 to 17 years only  
3  .Females with own children under 6 years and 6 to 17 years  
4  .Females with no own children  

PERNP  Numeric  7  
Total person's earnings (use ADJINC to adjust to constant dollars)  
bbbbbbb  .N/A (less than 15 years old)  
0  .No earnings  
-10000  .Loss of $10000 or more (Rounded and bottom-coded components)  
-9999..-1  .Loss $1 to $9999 (Rounded components)  
1..1999998  .$1 to $1999998 (Rounded and top-coded components)  

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

POBP  Character  3  
Place of birth (Recode)
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223 .Laos
224 .Lebanon
226 .Malaysia
228 .Mongolia (2017 or later)
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231 .Pakistan
233 .Philippines
235 .Saudi Arabia
236 .Singapore
238 .Sri Lanka
239 .Syria
240 .Taiwan
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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
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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)
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343 .West Indies
344 .Caribbean, Not Specified
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<td>Other US Island Areas, Oceania, Not Specified, or at Sea</td>
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</table>

**POVPIP** **Numeric** 3

Income-to-poverty ratio recode
POWPUMA  Character  5  
Place of work PUMA based on 2010 Census definitions  
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)  
Did not work in the United States or in Puerto Rico  
Assigned Place of work PUMA. Use with POWSP.

POWSP  Character  3  
Place of work - State or foreign country recode  
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)  
Alabama/AL  
Alaska/AK  
Arizona/AZ  
Arkansas/AR  
California/CA  
Colorado/CO  
Connecticut/CT  
Delaware/DE  
District of Columbia/DC  
Florida/FL  
Georgia/GA  
Hawaii/HI  
Idaho/ID  
Illinois/IL  
Indiana/IN  
Iowa/IA  
Kansas/KS  
Kentucky/KY  
Louisiana/LA  
Maine/ME  
Maryland/MD  
Massachusetts/MA  
Michigan/MI  
Minnesota/MN  
Mississippi/MS  
Missouri/MO  
Montana/MT  
Nebraska/NE  
Nevada/NV  
New Hampshire/NH  
New Jersey/NJ  
New Mexico/NM  
New York/NY  
North Carolina/NC  
North Dakota/ND  
Ohio/Ohio  
Oklahoma/OK  
Oregon/OR  
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
22 .Seminole alone
23 .Sioux alone
24 .South American Indian alone
25 .Tohono O'Odham alone
26 .Yaqui alone
27 .Other specified American Indian tribes alone
28 .All other specified American Indian tribe combinations
29 .American Indian, tribe not specified
30 .Alaskan Athabascan alone
31 .Tlingit-Haida alone
32 .Inupiat alone
33 .Yup'ik alone
34 .Aleut alone
35 .Other Alaska Native
36 .Other American Indian and Alaska Native specified
37 .American Indian and Alaska Native, not specified
38 .Asian Indian alone
39 .Bangladeshi alone
40 .Bhutanese alone
41 .Burmese alone
42 .Cambodian alone
43 .Chinese, except Taiwanese, alone
44 .Taiwanese alone
45 .Filipino alone
46 .Hmong alone
47 .Indonesian alone
48 .Japanese alone
49 .Korean alone
50 .Laotian alone
51 .Malaysian alone
52 .Mongolian alone
53 .Nepalese alone
54 .Pakistani alone
55 .Sri Lankan alone
56 .Thai alone
57 .Vietnamese alone
58 .Other Asian alone
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<td>042</td>
<td>Asian Indian; Other Asian</td>
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<td>Asian Indian; Some Other Race</td>
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045 .Chinese; Japanese
046 .Chinese; Korean
047 .Chinese; Vietnamese
048 .Chinese; Other Asian
049 .Chinese; Native Hawaiian
050 .Filipino; Japanese
051 .Filipino; Native Hawaiian
052 .Filipino; Other Pacific Islander
053 .Filipino; Some Other Race
054 .Japanese; Korean
055 .Japanese; Native Hawaiian
056 .Vietnamese; Other Asian
057 .Other Asian; Other Pacific Islander
058 .Other Asian; Some Other Race
059 .Other Pacific Islander; Some Other Race
060 .White; Black or African American; American Indian and Alaska Native
061 .White; Black or African American; Filipino
062 .White; Black or African American; Some Other Race
063 .White; American Indian and Alaska Native; Filipino
064 .White; American Indian and Alaska Native; Some Other Race
065 .White; Chinese; Filipino
066 .White; Chinese; Japanese
067 .White; Chinese; Native Hawaiian
068 .White; Filipino; Native Hawaiian
069 .White; Japanese; Native Hawaiian
070 .White; Other Asian; Some Other Race
071 .Chinese; Filipino; Native Hawaiian
072 .White; Chinese; Filipino; Native Hawaiian
073 .White; Chinese; Japanese; Native Hawaiian
074 .Black or African American; Asian groups
075 .Black or African American; Native Hawaiian and Other Pacific Islander groups
076 .Asian Indian; Asian groups
077 .Filipino; Asian groups
078 .White; Black or African American; Asian groups
079 .White; American Indian and Alaska Native; Asian groups
080 .White; Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
081 .White; Black or African American; American Indian and Alaska Native; Asian groups
082 .White; Black or African American; American Indian and Alaska Native; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
083 .White; Black or African American; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
084 .White; American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups
085 .White; Chinese; Filipino; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
086 .White; Chinese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
087 .White; Filipino; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
088 White; Japanese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
089 White; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
090 Black or African American; American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
091 Black or African American; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
092 American Indian and Alaska Native; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
093 Asian Indian; and/or White; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
094 Chinese; Japanese; Native Hawaiian; and/or Other Pacific Islander groups
095 Chinese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
096 Filipino; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
097 Japanese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
098 Korean; and/or Vietnamese; and/or Other Asian; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
099 Native Hawaiian; and/or Pacific Islander groups; and/or Some Other Race
100 White; and/or Black or African American; and/or American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

**RACAIAN Character 1**
American Indian and Alaska Native recode (American Indian and Alaska Native alone or in combination with one or more other races)
0 No
1 Yes

**RACASN Character 1**
Asian recode (Asian alone or in combination with one or more other races)
0 No
1 Yes

**RACBLK Character 1**
Black or African American recode (Black alone or in combination with one or more other races)
0 No
1 Yes

**RACNH Character 1**
Native Hawaiian recode (Native Hawaiian alone or in combination with one or more other races)
0 No
1. Yes

**RACNUM**  **Character 1**  
Number of major race groups represented  
1..6 .Race groups

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

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

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

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

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

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

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

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

**SOCP Character 6**

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

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<tr>
<th>Code</th>
<th>Occupation</th>
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<td>N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)</td>
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<td>1110XX</td>
<td>MGR-Chief Executives And Legislators</td>
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<td>111021</td>
<td>MGR-General And Operations Managers</td>
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<tr>
<td>112011</td>
<td>MGR-Advertising And Promotions Managers</td>
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<tr>
<td>112021</td>
<td>MGR-Marketing Managers</td>
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<td>112022</td>
<td>MGR-Sales Managers</td>
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<td>112030</td>
<td>MGR-Public Relations And Fundraising Managers</td>
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<td>113012</td>
<td>MGR-Administrative Services Managers</td>
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<td>113013</td>
<td>MGR-Facilities Managers</td>
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<tr>
<td>113021</td>
<td>MGR-Computer And Information Systems Managers</td>
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<tr>
<td>113031</td>
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<tr>
<td>113111</td>
<td>MGR-Compensation And Benefits Managers</td>
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<tr>
<td>113121</td>
<td>MGR-Human Resources Managers</td>
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<tr>
<td>113131</td>
<td>MGR-Training And Development Managers</td>
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<tr>
<td>113051</td>
<td>MGR-Industrial Production Managers</td>
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<tr>
<td>113061</td>
<td>MGR-Purchasing Managers</td>
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<tr>
<td>113071</td>
<td>MGR-Transportation, Storage, And Distribution Managers</td>
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<td>119013</td>
<td>MGR-Farmers, Ranchers, And Other Agricultural Managers</td>
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<td>MGR-Construction Managers</td>
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<td>119030</td>
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<td>119121</td>
<td>MGR-Natural Sciences Managers</td>
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<td>119141</td>
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<td>119151</td>
<td>MGR-Social And Community Service Managers</td>
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<td>119161</td>
<td>MGR-Emergency Management Directors</td>
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<td>1191XX</td>
<td>MGR-Other Managers</td>
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<td>131011</td>
<td>BUS-Agents And Business Managers Of Artists, Performers, And Athletes</td>
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<td>BUS-Buyers And Purchasing Agents, Farm Products</td>
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<td>BUS-Wholesale And Retail Buyers, Except Farm Products</td>
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<td>BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products</td>
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<td>BUS-Claims Adjusters, Appraisers, Examiners, And Investigators</td>
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<td>BUS-Logisticians</td>
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<td>131082</td>
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<td>131111</td>
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<td>131121</td>
<td>BUS-Meeting, Convention, And Event Planners</td>
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<td>131161</td>
<td>.BUS-Market Research Analysts And Marketing Specialists</td>
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<td>131199</td>
<td>.BUS-Business Operations Specialists, All Other</td>
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<td>132011</td>
<td>.FIN-Accountants And Auditors</td>
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<td>132020</td>
<td>.FIN-Property Appraisers And Assessors</td>
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<td>132031</td>
<td>.FIN-Budget Analysts</td>
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<td>132052</td>
<td>.FIN-Personal Financial Advisors</td>
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<td>132053</td>
<td>.FIN-Insurance Underwriters</td>
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<td>.FIN-Financial Examiners</td>
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<td>132070</td>
<td>.FIN-Credit Counselors And Loan Officers</td>
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<td>132081</td>
<td>.FIN-Tax Examiners And Collectors, And Revenue Agents</td>
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<td>151221</td>
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<td>.CMM-Actuaries</td>
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<td>.CMM-Operations Research Analysts</td>
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<td>171011</td>
<td>.ENG-Architects, Except Landscape And Naval</td>
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<td>171012</td>
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<td>171020</td>
<td>.ENG-Surveyors, Cartographers, And Photogrammetrists</td>
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<td>172011</td>
<td>.ENG-Aerospace Engineers</td>
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<td>1720XX</td>
<td>.ENG-Biomedical And Agricultural Engineers</td>
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<td>.ENG-Chemical Engineers</td>
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<td>.ENG-Civil Engineers</td>
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<td>.ENG-Computer Hardware Engineers</td>
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<td>.ENG-Electrical And Electronics Engineers</td>
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<td>.ENG-Environmental Engineers</td>
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<tr>
<td>172110</td>
<td>.ENG-Industrial Engineers, Including Health And Safety</td>
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<td>172121</td>
<td>.ENG-Marine Engineers And Naval Architects</td>
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<td>172131</td>
<td>.ENG-Materials Engineers</td>
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<td>172141</td>
<td>.ENG-Mechanical Engineers</td>
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<td>1721XX</td>
<td>.ENG-Petroleum, Mining And Geological Engineers, Including Mining Safety Engineers</td>
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<td>173011</td>
<td>.ENG-Architectural And Civil Drafters</td>
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<td>.ENG-Electrical and Electronic Engineering Technologists And Technicians</td>
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<td>.ENG-Other Engineering Technologists And Technicians, Except Drafters</td>
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<td>173031</td>
<td>.ENG-Surveying And Mapping Technicians</td>
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<tr>
<td>191010</td>
<td>.SCI-Agricultural And Food Scientists</td>
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<td>.SCI-Biological Scientists</td>
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<td>.SCI-Conservation Scientists And Foresters</td>
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2590XX .EDU-Other Educational Instruction and Library Workers
271010 .ENT-Artists And Related Workers
271021 .ENT-Commercial And Industrial Designers
271022 .ENT-Fashion Designers
271023 .ENT-Floral Designers
271024 .ENT-Graphic Designers
271025 .ENT-Interior Designers
271026 .ENT-Merchandise Displayers And Window Trimmers
27102X .ENT-Other Designers
272011 .ENT-Actors
272012 .ENT-Producers And Directors
272021 .ENT-Athletes And Sports Competitors
272022 .ENT-Coaches And Scouts
272023 .ENT-Umpires, Referees, And Other Sports Officials
272030 .ENT-Dancers And Choreographers
272041 .ENT-Music Directors And Composers
272042 .ENT-Musicians And Singers
272091 .ENT-Disc Jockeys, Except Radio
272099 .ENT-Entertainers And Performers, Sports And Related .Workers, All Other
273011 .ENT-Broadcast Announcers And Radio Disc Jockeys
273023 .ENT-News Analysts, Reporters, And Journalists
273031 .ENT-Public Relations Specialists
273041 .ENT-Editors
273042 .ENT-Technical Writers
273043 .ENT-Writers And Authors
273091 .ENT-Interpreters And Translators
273092 .ENT-Court Reporters And Simultaneous Captioners
273099 .ENT-Media And Communication Workers, All Other
2740XX .ENT-Other Media And Communication Equipment Workers
274021 .ENT-Photographers
274030 .ENT-Television, Video, And Film Camera Operators And .Editors
291011 .MED-Chiropractors
291020 .MED-Dentists
291031 .MED-Dietitians And Nutritionists
291041 .MED-Optometrists
291051 .MED-Pharmacists
291210 .MED-Physicians
291240 .MED-Surgeons
291071 .MED-Physician Assistants
291081 .MED-Podiatrists
291122 .MED-Occupational Therapists
291123 .MED-Physical Therapists
291124 .MED-Radiation Therapists
291125 .MED-Recreational Therapists
291126 .MED-Respiratory Therapists
291127 .MED-Speech-Language Pathologists
29112X .MED-Other Therapists
291131 .MED-Veterinarians
291141 .MED-Registered Nurses
291151 .MED-Nurse Anesthetists
291181 .MED-Audiologists
2911XX .MED-Nurse Practitioners, And Nurse Midwives
291291 .MED-Acupuncturists
291299 .MED-Healthcare Diagnosing Or Treating Practitioners, All .Other
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-First-Line Supervisors Of Food Preparation And .Serving Workers
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
372013 .CLN-Pest Control Workers
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

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<table>
<thead>
<tr>
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<th>Description</th>
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<tr>
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<td>.SAL-Travel Agents</td>
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<td>413091</td>
<td>.SAL-Sales Representatives Of Services, Except</td>
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<td>.Advertising, Insurance, Financial Services, And Travel</td>
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<td>414010</td>
<td>.SAL-Sales Representatives, Wholesale And Manufacturing</td>
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<tr>
<td>419010</td>
<td>.SAL-Models, Demonstrators, And Product Promoters</td>
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<td>.SAL-Real Estate Brokers And Sales Agents</td>
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<td>.SAL-Sales Engineers</td>
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<td>419041</td>
<td>.SAL-Telemarketers</td>
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<td>.SAL-Sales And Related Workers, All Other</td>
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<td>431011</td>
<td>.OFF-First-Line Supervisors Of Office And Administrative</td>
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<td>432011</td>
<td>.OFF-Switchboard Operators, Including Answering Service</td>
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<td>.OFF-Communications Equipment Operators, All Other</td>
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<td>.OFF-Bookkeeping, Accounting, And Auditing Clerks</td>
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<td>.OFF-Court, Municipal, And License Clerks</td>
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<td>434071</td>
<td>.OFF-File Clerks</td>
</tr>
<tr>
<td>434081</td>
<td>.OFF-Hotel, Motel, And Resort Desk Clerks</td>
</tr>
<tr>
<td>434111</td>
<td>.OFF-Interviewers, Except Eligibility And Loan</td>
</tr>
<tr>
<td>434121</td>
<td>.OFF-Library Assistants, Clerical</td>
</tr>
<tr>
<td>434131</td>
<td>.OFF-Loan Interviewers And Clerks</td>
</tr>
<tr>
<td>434141</td>
<td>.OFF-New Accounts Clerks</td>
</tr>
<tr>
<td>434XXX</td>
<td>.OFF-Correspondence Clerks And Order Clerks</td>
</tr>
<tr>
<td>434161</td>
<td>.OFF-Human Resources Assistants, Except Payroll And</td>
</tr>
<tr>
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<td>.Timekeeping</td>
</tr>
<tr>
<td>434171</td>
<td>.OFF-Receptionists And Information Clerks</td>
</tr>
<tr>
<td>434181</td>
<td>.OFF-Reservation And Transportation Ticket Agents And</td>
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<tr>
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<td>.Travel Clerks</td>
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<tr>
<td>434YYY</td>
<td>.OFF-Other Information And Records Clerks</td>
</tr>
<tr>
<td>435011</td>
<td>.OFF-Cargo And Freight Agents</td>
</tr>
<tr>
<td>435021</td>
<td>.OFF-Couriers And Messengers</td>
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<tr>
<td>435031</td>
<td>.OFF-Public Safety Telecommunicators</td>
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<tr>
<td>435032</td>
<td>.OFF-Dispatchers, Except Police, Fire, And Ambulance</td>
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<tr>
<td>435041</td>
<td>.OFF-Meter Readers, Utilities</td>
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<tr>
<td>435051</td>
<td>.OFF-Postal Service Clerks</td>
</tr>
<tr>
<td>435052</td>
<td>.OFF-Postal Service Mail Carriers</td>
</tr>
<tr>
<td>435053</td>
<td>.OFF-Postal Service Mail Sorters, Processors, And</td>
</tr>
<tr>
<td></td>
<td>.Processing Machine Operators</td>
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<tr>
<td>435061</td>
<td>.OFF-Production, Planning, And Expediting Clerks</td>
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<tr>
<td>435071</td>
<td>.OFF-Shipping, Receiving, And Inventory Clerks</td>
</tr>
<tr>
<td>435111</td>
<td>.OFF-Weighers, Measurers, Checkers, And Samplers, Recordkeeping</td>
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<tr>
<td>436011</td>
<td>.OFF-Executive Secretaries And Executive Administrative</td>
</tr>
<tr>
<td></td>
<td>.Assistants</td>
</tr>
<tr>
<td>436012</td>
<td>.OFF-Legal Secretaries And Administrative Assistants</td>
</tr>
<tr>
<td>436013</td>
<td>.OFF-Medical Secretaries And Administrative Assistants</td>
</tr>
</tbody>
</table>
436014 .OFF-Secretaries And Administrative Assistants, Except Legal, Medical, And Executive
439021 .OFF-Data Entry Keyers
439022 .OFF-Word Processors And Typists
439041 .OFF-Insurance Claims And Policy Processing Clerks
439051 .OFF-Mail Clerks And Mail Machine Operators, Except Postal Service
439061 .OFF-Office Clerks, General
439071 .OFF-Office Machine Operators, Except Computer
439081 .OFF-Proofreaders And Copy Markers
439111 .OFF-Statistical Assistants
439XXX .OFF-Other Office And Administrative Support Workers
451011 .FFF-First-Line Supervisors Of Farming, Fishing, And Forestry Workers
452011 .FFF-Agricultural Inspectors
452041 .FFF-Graders And Sorters, Agricultural Products
4520XX .FFF-Other Agricultural Workers
453031 .FFF-Fishing And Hunting Workers
454011 .FFF-Forest And Conservation Workers
454020 .FFF-Logging Workers
471011 .CON-First-Line Supervisors Of Construction Trades And Extraction Workers
472011 .CON-Boilermakers
472031 .CON-Carpenters
472040 .CON-Carpet, Floor, And Tile Installers And Finishers
472050 .CON-Cement Masons, Concrete Finishers, And Terrazzo Workers
472061 .CON-Construction Laborers
472070 .CON-Construction Equipment Operators
472080 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers
472111 .CON-Electricians
472121 .CON-Glaziers
472130 .CON-Insulation Workers
472140 .CON-Painters And Paperhangers
472151 .CON-Pipelayers
472152 .CON-Plumbers, Pipefitters, And Steamfitters
472161 .CON-Plasterers And Stucco Masons
472181 .CON-Roofer
472211 .CON-Sheet Metal Workers
472221 .CON-Structural Iron And Steel Workers
472231 .CON-Solar Photovoltaic Installers
472XXX .CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing Iron And Rebar Workers
473010 .CON- Helpers, Construction Trades
474011 .CON-Construction And Building Inspectors
474021 .CON-Elevator And Escalator Installers And Repairers
474031 .CON-Fence Erectors
474041 .CON-Hazardous Materials Removal Workers
474051 .CON-Highway Maintenance Workers
474061 .CON-Rail-Track Laying And Maintenance Equipment Operators
4740XX .CON-Other Construction And Related Workers
4750YY .EXT-Derrick, Rotary Drill, And Service Unit Operators, And Roustabouts, Oil And Gas
475020 .EXT-Surface Mining Machine Operators And Earth Drillers
475032 .EXT-Explosives Workers, Ordnance Handling Experts, And Blasters
519191 .PRD-Adhesive Bonding Machine Operators And Tenders
519194 .PRD-Etchers And Engravers
519195 .PRD-Molders, Shapers, And Casters, Except Metal And Plastic
519196 .PRD-Paper Goods Machine Setters, Operators, And Tenders
519197 .PRD-Tire Builders
519198 .PRD-Helpers--Production Workers
5191XX .PRD-Miscellaneous Production Workers, Including Equipment Operators and Tenders
531000 .TRN-Supervisors Of Transportation And Material Moving Workers
532010 .TRN-Aircraft Pilots And Flight Engineers
532020 .TRN-Air Traffic Controllers And Airfield Operations Specialists
532031 .TRN-Flight Attendants
533011 .TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians
533051 .TRN-Bus Drivers, School
533052 .TRN-Bus Drivers, Transit And Intercity
533030 .TRN-Driver/Sales Workers And Truck Drivers
533053 .TRN-Shuttle Drivers and Chauffeurs
533054 .TRN-Taxi Drivers
533099 .TRN-Motor Vehicle Operators, All Other
534010 .TRN-Locomotive Engineers And Operators
534031 .TRN-Railroad Conductors And Yardmasters
5340XX .TRN-Other Rail Transportation Workers
5350XX .TRN-Sailors And Marine Oilers, And Ship Engineers
535020 .TRN-Ship And Boat Captains And Operators
536021 .TRN-Parking Attendants
536030 .TRN-Transportation Service Attendants
536051 .TRN-Transportation Inspectors
536061 .TRN-Passenger Attendants
5360XX .TRN-Other Transportation Workers
537021 .TRN-Crane And Tower Operators
5370XX .TRN-Conveyor, Dredge, And Hoist And Winch Operators
537051 .TRN-Industrial Truck And Tractor Operators
537061 .TRN-Cleaners Of Vehicles And Equipment
537062 .TRN-Laborers And Freight, Stock, And Material Movers, Hand
537063 .TRN-Machine Feeders And Offbearers
537064 .TRN-Packers And Packagers, Hand
537065 .TRN-Stockers And Order Fillers
537070 .TRN-Pumping Station Operators
537081 .TRN-Refuse And Recyclable Material Collectors
5371XX .TRN-Other Material Moving Workers
551010 .MIL-Military Officer Special And Tactical Operations Leaders
552010 .MIL-First-Line Enlisted Military Supervisors
553010 .MIL-Military Enlisted Tactical Operations And Air/Weapons Specialists And Crew Members
559830 .MIL-Military, Rank Not Specified
999920 .Unemployed, With No Work Experience In The Last 5 Years Or Earlier Or Never Worked

VPS  Character  2  Veteran period of service

bb .N/A (less than 17 years old, no active duty)
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>01</td>
<td>Gulf War: 9/2001 or later</td>
</tr>
<tr>
<td>02</td>
<td>Gulf War: 9/2001 or later and Gulf War: 8/1990 - 8/2001</td>
</tr>
<tr>
<td>04</td>
<td>Gulf War: 8/1990 - 8/2001</td>
</tr>
<tr>
<td>05</td>
<td>Gulf War: 8/1990 - 8/2001 and Vietnam Era</td>
</tr>
<tr>
<td>06</td>
<td>Vietnam Era</td>
</tr>
<tr>
<td>07</td>
<td>Vietnam Era and Korean War</td>
</tr>
<tr>
<td>08</td>
<td>Vietnam Era, Korean War, and WWII</td>
</tr>
<tr>
<td>09</td>
<td>Korean War</td>
</tr>
<tr>
<td>10</td>
<td>Korean War and WWII</td>
</tr>
<tr>
<td>11</td>
<td>WWII</td>
</tr>
<tr>
<td>12</td>
<td>Between Gulf War and Vietnam Era only</td>
</tr>
<tr>
<td>13</td>
<td>Between Vietnam Era and Korean War only</td>
</tr>
<tr>
<td>14</td>
<td>Between Korean War and World War II only</td>
</tr>
<tr>
<td>15</td>
<td>Pre-WWII only</td>
</tr>
</tbody>
</table>

**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)  

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

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

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

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

**FCOWP** Character 1  
Class of worker allocation flag  
0 .No  
1 .Yes
FDDRSP  Character  1
Self-care difficulty allocation flag
  0 .No
  1 .Yes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FPUBCOVP  Character  1
Public health coverage recode allocation flag
0  .No
1  .Yes
FRACP Character 1
Detailed race allocation flag
0 . No 1 . Yes

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

FSEX P Character 1
Sex allocation flag
0 . No 1 . Yes

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

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

FWAGP Character 1
Wages and salary income allocation flag
0 . No 1 . Yes
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Allocation Flag 0</th>
<th>Allocation Flag 1</th>
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<tbody>
<tr>
<td>FWKHP</td>
<td>Character 1: Usual hours worked per week past 12 months</td>
<td>0: No</td>
<td>1: Yes</td>
</tr>
<tr>
<td>FWKLP</td>
<td>Character 1: Last worked allocation flag</td>
<td>0: No</td>
<td>1: Yes</td>
</tr>
<tr>
<td>FWKWNP</td>
<td>Character 1: Weeks worked (numeric) past 12 months</td>
<td>0: No</td>
<td>1: Yes</td>
</tr>
<tr>
<td>FWKWP</td>
<td>Character 1: Weeks worked past 12 months allocation</td>
<td>0: No</td>
<td>1: Yes</td>
</tr>
<tr>
<td>FWRKP</td>
<td>Character 1: Worked last week allocation flag</td>
<td>0: No</td>
<td>1: Yes</td>
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<tr>
<td>FYOEP</td>
<td>Character 1: Year of entry allocation flag</td>
<td>0: No</td>
<td>1: Yes</td>
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</table>

**PERSON RECORD-REPLICATE WEIGHTS**

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
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<tbody>
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<td>PWGTP1</td>
<td>Numeric 5: Person Weight replicate 1</td>
<td>-9999..9999</td>
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<tr>
<td>PWGTP2</td>
<td>Numeric 5: Person Weight replicate 2</td>
<td>-9999..9999</td>
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<td>PWGTP3</td>
<td>Numeric 5: Person Weight replicate 3</td>
<td>-9999..9999</td>
</tr>
<tr>
<td>PWGTP4</td>
<td>Numeric 5: Person Weight replicate 4</td>
<td>-9999..9999</td>
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<tr>
<td>PWGTP5</td>
<td>Numeric 5: Person Weight replicate 5</td>
<td>-9999..9999</td>
</tr>
<tr>
<td>PWGTP6</td>
<td>Numeric 5: Person Weight replicate 6</td>
<td>-9999..9999</td>
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<td>Variable</td>
<td>Type</td>
<td>Description</td>
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<tr>
<td>PWGTP7</td>
<td>Numeric</td>
<td>Person Weight replicate 7</td>
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<td>PWGTP8</td>
<td>Numeric</td>
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<td>PWGTP9</td>
<td>Numeric</td>
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<td>PWGTP11</td>
<td>Numeric</td>
<td>Person Weight replicate 11</td>
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<td>PWGTP12</td>
<td>Numeric</td>
<td>Person Weight replicate 12</td>
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<td>PWGTP13</td>
<td>Numeric</td>
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<td>Person Weight replicate 19</td>
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<tr>
<td>PWGTP20</td>
<td>Numeric</td>
<td>Person Weight replicate 20</td>
</tr>
</tbody>
</table>
PWGTP21    Numeric    5
Person Weight replicate 21
     -9999..9999  .Integer weight of person

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

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

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

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

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

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

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

PWGTP29    Numeric    5
Person Weight replicate 29
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PWGTP30    Numeric    5
Person Weight replicate 30
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PWGTP31    Numeric    5
Person Weight replicate 31
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PWGTP32    Numeric    5
Person Weight replicate 32
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PWGTP33    Numeric    5
Person Weight replicate 33
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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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PWGTP36  Numeric  5  
Person Weight replicate 36  
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PWGTP37  Numeric  5  
Person Weight replicate 37  
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Person Weight replicate 38  
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PWGTP43  Numeric  5  
Person Weight replicate 43  
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PWGTP44  Numeric  5  
Person Weight replicate 44  
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PWGTP45  Numeric  5  
Person Weight replicate 45  
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PWGTP46  Numeric  5  
Person Weight replicate 46  
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PWGTP47  Numeric  5  
Person Weight replicate 47  
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PWGTP48  Numeric  5  
Person Weight replicate 48  
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PWGTP49  Numeric  5
Person Weight replicate 49
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PWGTP50  Numeric  5
Person Weight replicate 50
-9999..9999 .Integer weight of person

PWGTP51  Numeric  5
Person Weight replicate 51
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PWGTP52  Numeric  5
Person Weight replicate 52
-9999..9999 .Integer weight of person

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

PWGTP54  Numeric  5
Person Weight replicate 54
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Person Weight replicate 55
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PWGTP56  Numeric  5
Person Weight replicate 56
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Person Weight replicate 57
-9999..9999 .Integer weight of person

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

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

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

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

PWGTP62  Numeric  5
Person Weight replicate 62
-9999..9999 .Integer weight of person
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Person Weight replicate 77
-9999..9999 .Integer weight of person

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

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

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