# HOUSING RECORD

## HOUSING RECORD—BASIC VARIABLES

<table>
<thead>
<tr>
<th>Variable</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RT</td>
<td>Character 1</td>
<td>Record Type; H: Housing Record or Group Quarters Unit; P: Person Record</td>
</tr>
<tr>
<td>SERIALNO</td>
<td>Character 13</td>
<td>Housing unit/GQ person serial number; 2019GQ0000001..2019GQ9999999: GQ Unique identifier; 2019HU0000001..2019HU9999999: HU Unique identifier</td>
</tr>
<tr>
<td>DIVISION</td>
<td>Character 1</td>
<td>Division code based on 2010 Census definitions; 0: Puerto Rico; 1-8: Regional divisions; 9: Puerto Rico</td>
</tr>
<tr>
<td>PUMA</td>
<td>Character 5</td>
<td>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</td>
</tr>
<tr>
<td>REGION</td>
<td>Character 1</td>
<td>Region code based on 2010 Census definitions; 1: Northeast; 2: Midwest; 3: South; 4: West; 9: Puerto Rico</td>
</tr>
<tr>
<td>ST</td>
<td>Character 2</td>
<td>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</td>
</tr>
</tbody>
</table>
ADJHSG Character 7
Adjustment factor for housing dollar amounts (6 implied decimal places)
1000000 .2019 factor (1.000000)

ADJINC Character 7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)
1010145 .2019 factor (1.010145)

WGTP Numeric 5
Housing Unit Weight
0 .Group quarters place holder record
1..9999 .Integer weight of housing unit

NP Numeric 2
Number of persons in this household
0 .Vacant unit
1 .One person in household or any person in group quarters
2..20 .Number of persons in household

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

HOUSING RECORD-HOUSING UNIT VARIABLES

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

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

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

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

BDSP Numeric 2
Number of bedrooms
bb .N/A (GQ)
0..99 .0 to 99 bedrooms (Top-coded)
BLD  Character  2
Units in structure
bb .N/A (GQ)
01 .Mobile home or trailer
02 .One-family house detached
03 .One-family house attached
04 .2 Apartments
05 .3-4 Apartments
06 .5-9 Apartments
07 .10-19 Apartments
08 .20-49 Apartments
09 .50 or more apartments
10 .Boat, RV, van, etc.

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

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

CONP  Numeric  4
Condo fee (monthly amount, use ADJHSG to adjust CONP to constant dollars)
bbbb .N/A (GQ/vacant units/not owned or being bought)
0..9999 .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)
bbbb .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)
- bbbb .N/A (GQ/vacant/included in rent or in condo fee/no charge or fuel other than gas or electricity not used)
- 3..9999 .$.3 to $.9999 ( Rounded and top-coded)

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

GASP **Numeric 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)
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSP</td>
<td>Fire/hazard/flood insurance (yearly amount, use ADJHSG to adjust INSP to</td>
</tr>
<tr>
<td></td>
<td>constant dollars)</td>
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<tr>
<td>LAPTOP</td>
<td>Laptop or desktop</td>
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<tr>
<td>MHP</td>
<td>Mobile home costs (yearly amount, use ADJHSG to adjust MHP to constant</td>
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<tr>
<td>MRGI</td>
<td>First mortgage payment includes fire/hazard/flood insurance</td>
</tr>
<tr>
<td>MRGP</td>
<td>First mortgage payment (monthly amount, use ADJHSG to adjust MRGP to constant</td>
</tr>
<tr>
<td>MRGT</td>
<td>First mortgage payment includes real estate taxes</td>
</tr>
<tr>
<td>MRGX</td>
<td>First mortgage status</td>
</tr>
<tr>
<td>OTHSVCEX</td>
<td>Other Internet service</td>
</tr>
</tbody>
</table>

1. Yes  
2. No  
9. Case is from the United States, HOTWAT not applicable

### INSP

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
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<tr>
<td>N/A</td>
<td>GQ/vacant/not owned or being bought</td>
</tr>
<tr>
<td>0</td>
<td>None</td>
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<tr>
<td>1..10000</td>
<td>$.1 to $10000 (Rounded and top-coded)</td>
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### LAPTOP

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<td>N/A</td>
<td>GQ/vacant</td>
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<tr>
<td>1</td>
<td>Yes</td>
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<td>2</td>
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### MHP

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<td>GQ/vacant/not owned or being bought/ not mobile home</td>
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<tr>
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<td>None</td>
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<td>$.1 to $99999 (Rounded and top-coded)</td>
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### MRGI

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<th>Description</th>
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<tbody>
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<td>GQ/vacant/not owned or being bought/not mortgaged</td>
</tr>
<tr>
<td>1</td>
<td>Yes, insurance included in payment</td>
</tr>
<tr>
<td>2</td>
<td>No, insurance paid separately or no insurance</td>
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</tbody>
</table>

### MRGP

<table>
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<tr>
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<th>Description</th>
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<tbody>
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<td>GQ/vacant/not owned or being bought/not mortgaged</td>
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<td>$.1 to $99999 (Rounded and top-coded)</td>
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### MRGT

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<td>GQ/vacant/not owned or being bought/not mortgaged</td>
</tr>
<tr>
<td>1</td>
<td>Yes, taxes included in payment</td>
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<tr>
<td>2</td>
<td>No, taxes paid separately or taxes not required</td>
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</table>

### MRGX

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<tr>
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<td>GQ/vacant</td>
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<tr>
<td>1</td>
<td>Mortgage, deed of trust, or similar debt</td>
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<tr>
<td>2</td>
<td>Contract to purchase</td>
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<td>3</td>
<td>None</td>
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### OTHSVCEX

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<th>Description</th>
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<td>N/A</td>
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<td>SINK</td>
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<tr>
<td>SMARTPHONE</td>
<td>Character</td>
</tr>
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</tr>
</tbody>
</table>
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)
   bbbbb  .N/A (GQ/vacant/not owned or being bought/
   .second or junior mortgages or home equity loans)
   1..99999  .$1 to $999999 (Rounded and top-coded)

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

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

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

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

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

VALP  Numeric  7
Property value
   bbbbbbbbb  .N/A (GQ/vacant units, except "for-sale-only"
   .and "sold, not occupied"/not owned or being
   .bought)
   1..9999999  .$1 to $9999999 (Rounded and top-coded)

VEH  Character  1
Vehicles (1 ton or less) available
   b .N/A (GQ/vacant)
   0 .No vehicles
1 .1 vehicle
2 .2 vehicles
3 .3 vehicles
4 .4 vehicles
5 .5 vehicles
6 .6 or more vehicles

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

WATP  Numeric  4
Water cost (yearly cost, use ADJHSG to adjust WATP to constant dollars)
bbbb .N/A (GQ/vacant/included in rent or in condo fee/no charge)
3..9999 .$3 to $9999 (Rounded and top-coded)

YBL  Character  2
When structure first built
bb .N/A (GQ)
01 .1939 or earlier
02 .1940 to 1949
03 .1950 to 1959
04 .1960 to 1969
05 .1970 to 1979
06 .1980 to 1989
07 .1990 to 1999
08 .2000 to 2004
09 .2005
10 .2006
11 .2007
12 .2008
13 .2009
14 .2010
15 .2011
16 .2012
17 .2013
18 .2014
19 .2015
20 .2016
21 .2017
22 .2018
23 .2019

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 7**

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

- **bbbbbbbb** .N/A (GQ/vacant)
- **0** .No family income
- **-59999** .Loss of -$59,999 or more
- **-59998-1** .Loss of $1 to -$59,998
- **1..9999999** .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 4**

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

- **bbbb** .N/A (GQ/vacant/owned or being bought/occupied without rent payment)
- **1..9999** .$1 - $9999 (Components are rounded)

**GRPIP**

**Numeric 3**

Gross rent as a percentage of household income past 12 months

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

**HHL**

**Character 1**

Household language

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

**HHLANP**

**Character 4**

Detailed household language
<table>
<thead>
<tr>
<th>Code</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1000</td>
<td>Jamaican Creole English</td>
</tr>
<tr>
<td>1025</td>
<td>Other English-based Creole languages</td>
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<tr>
<td>1055</td>
<td>Haitian</td>
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<tr>
<td>1069</td>
<td>Kabuverdianu</td>
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<tr>
<td>6120</td>
<td>Akan (incl. Twi)</td>
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<td>6205</td>
<td>Ga</td>
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<td>6230</td>
<td>Gbe languages</td>
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</table>
### Household/family type

**HHT**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1</td>
<td>Married couple household</td>
</tr>
<tr>
<td>2</td>
<td>Other family household: Male householder, no spouse present</td>
</tr>
<tr>
<td>3</td>
<td>Other family household: Female householder, no spouse present</td>
</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>

### Household/family type (includes cohabiting)

**HHT2**

<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bb</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>01</td>
<td>Married couple household with own children &lt;18</td>
</tr>
<tr>
<td>02</td>
<td>Married couple household, NO own children &lt;18</td>
</tr>
<tr>
<td>03</td>
<td>Cohabiting couple household with own children &lt;18</td>
</tr>
<tr>
<td>04</td>
<td>Cohabiting couple household, NO own children &lt;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 own children &lt;18</td>
</tr>
<tr>
<td>07</td>
<td>Female householder, no spouse/partner present, with relatives, NO own children &lt;18</td>
</tr>
<tr>
<td>08</td>
<td>Female householder, no spouse/partner present, only nonrelatives present</td>
</tr>
<tr>
<td>09</td>
<td>Male householder, no spouse/partner present, Living alone</td>
</tr>
<tr>
<td>10</td>
<td>Male householder, no spouse/partner present, with own children &lt;18</td>
</tr>
<tr>
<td>11</td>
<td>Male householder, no spouse/partner present, with relatives, NO own children &lt;18</td>
</tr>
<tr>
<td>12</td>
<td>Male householder, no spouse/partner present, only nonrelatives present</td>
</tr>
</tbody>
</table>

### Household income (past 12 months, use ADJINC to adjust HINCP to constant dollars)

**HINCP**

<table>
<thead>
<tr>
<th>Numeric</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>bbbbbb</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>0</td>
<td>No household income</td>
</tr>
</tbody>
</table>
-59999  .Loss of -$59,999 or more
-59998..-1  .Loss of $1 to -$59,998
1..9999999  .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% to 100%
   101 .101% 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
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
2 .No
9 .Case is from the United States, PLMPRP not applicable

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

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

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

R65 Character 1
Presence of persons 65 years and over in household (unweighted)
b .N/A (GQ/vacant)
0 .No person 65 and over
1 .1 person 65 and over
2 .2 or more persons 65 and over

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

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

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

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

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

TAXAMT Numeric 5
Property taxes (yearly real estate taxes)
bbbb .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 < FT
03 .Householder worked FT; spouse did not work
04 .Householder worked < FT; spouse worked FT
05 .Householder worked < FT; spouse worked < FT
06 .Householder worked < FT; spouse did not work
07 .Householder did not work; spouse worked FT
08 .Householder did not work; spouse worked < FT
09 .Householder did not work; spouse did not work
10 .Male householder worked FT; no spouse present
11 .Male householder worked < 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 < 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
<table>
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<th>Character</th>
<th>Description</th>
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<td>FBDSP</td>
<td>Character</td>
<td>Number of bedrooms allocation flag</td>
</tr>
<tr>
<td>FBLDP</td>
<td>Character</td>
<td>Units in structure allocation flag</td>
</tr>
<tr>
<td>FBROADBNDP</td>
<td>Character</td>
<td>Cellular data plan for a smartphone or other mobile device allocation flag</td>
</tr>
<tr>
<td>FCOMPOTHXP</td>
<td>Character</td>
<td>Other computer equipment allocation flag</td>
</tr>
<tr>
<td>FCONP</td>
<td>Character</td>
<td>Condominium fee allocation flag</td>
</tr>
<tr>
<td>FDIALUPP</td>
<td>Character</td>
<td>Dial-up service allocation flag</td>
</tr>
<tr>
<td>FELEP</td>
<td>Character</td>
<td>Electricity (monthly cost) allocation flag</td>
</tr>
<tr>
<td>FFINCP</td>
<td>Character</td>
<td>Family income (past 12 months) allocation flag</td>
</tr>
<tr>
<td>FFSP</td>
<td>Character</td>
<td>Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) recipiency allocation flag</td>
</tr>
</tbody>
</table>
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

HOUSING RECORD-REPLICATE WEIGHTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WGTP19 Numeric  5  
Housing Weight replicate 19
WGTP20  Numeric  5
Housing Weight replicate 20
-9999..9999  .Integer weight of housing unit

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

WGTP61  Numeric  5
 Housing Weight replicate 61
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
  2019GQ00000001..2019GQ99999999 .GQ Unique identifier
  2019HU00000001..2019HU99999999 .HU Unique identifier

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)

#### Region Code based on 2010 Census definitions
1. Northeast
2. Midwest
3. South
4. West
9. Puerto Rico

#### ST Character 2
State Code based on 2010 Census definitions
01. Alabama/AL
02. Alaska/AK
04. Arizona/AZ
05. Arkansas/AR
06. California/CA
08. Colorado/CO
09. Connecticut/CT
10. Delaware/DE
11. District of Columbia/DC
12. Florida/FL
13. Georgia/GA
15. Hawaii/HI
16. Idaho/ID
17. Illinois/IL
18. Indiana/IN
19. Iowa/IA
20. Kansas/KS
21. Kentucky/KY
22. Louisiana/LA
23. Maine/ME
24. Maryland/MD
25. Massachusetts/MA
26. Michigan/MI
27. Minnesota/MN
28. Mississippi/MS
29. Missouri/MO
30. Montana/MT
31. Nebraska/NE
32. Nevada/NV
33. New Hampshire/NH
34. New Jersey/NJ
35. New Mexico/NM
36. New York/NY
37. North Carolina/NC
38. North Dakota/ND
39. Ohio/OH
40. Oklahoma/OK
41. Oregon/OR
42. Pennsylvania/PA
44. Rhode Island/RI
45. South Carolina/SC
46. South Dakota/SD
ADJINC  Character  7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)
1010145 .2019 factor (1.010145)

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

PERSON RECORD-PERSON VARIABLES

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

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

CITWP  Numeric  4
Year of naturalization write-in
bbbb .Not eligible - not naturalized
1944 .1944 or earlier (Bottom-coded)
1945 .1945 - 1947
1948 .1948 - 1949
1950 .1950
1951 .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
COW  Character  1
Class of worker
  b  .N/A (less than 16 years old/NILF who last worked more than 5
       years ago or never worked)
  1  .Employee of a private for-profit company or business, or of an
     .individual, for wages, salary, or commissions
  2  .Employee of a private not-for-profit, tax-exempt, or
     .charitable organization
  3  .Local government employee (city, county, etc.)
  4  .State government employee
  5  .Federal government employee
  6  .Self-employed in own not incorporated business, professional
     .practice, or farm
  7  .Self-employed in own incorporated business, professional
     .practice or farm
  8  .Working without pay in family business or farm
  9  .Unemployed and last worked 5 years ago or earlier or never
     .worked

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

DEAR  Character  1
Hearing difficulty
  1  .Yes
  2  .No

DEYE  Character  1
Vision difficulty
  1  .Yes
  2  .No

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

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

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

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

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

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

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

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

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

HIMRKS  Character  1
Subsidized Marketplace Coverage
   0  .Categorically ineligible for subsidy
   1  .Direct purchase coverage, with premium subsidy
   2  .Direct purchase coverage, without a premium subsidy
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 (enrolled for VA health care)
   1 .Yes
   2 .No

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

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

JWMNP  Numeric  3
Travel time to work
   bbb .N/A (not a worker or worker who worked at 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
<table>
<thead>
<tr>
<th>JWTRNS Character 2</th>
<th>Means of transportation to work</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>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)</td>
</tr>
<tr>
<td>01</td>
<td>Car, truck, or van</td>
</tr>
<tr>
<td>02</td>
<td>Bus</td>
</tr>
<tr>
<td>03</td>
<td>Subway or elevated rail</td>
</tr>
<tr>
<td>04</td>
<td>Long-distance train or commuter train</td>
</tr>
<tr>
<td>05</td>
<td>Light rail, streetcar, or trolley</td>
</tr>
<tr>
<td>06</td>
<td>Ferryboat</td>
</tr>
<tr>
<td>07</td>
<td>Taxicab</td>
</tr>
<tr>
<td>08</td>
<td>Motorcycle</td>
</tr>
<tr>
<td>09</td>
<td>Bicycle</td>
</tr>
<tr>
<td>10</td>
<td>Walked</td>
</tr>
<tr>
<td>11</td>
<td>Worked from home</td>
</tr>
<tr>
<td>12</td>
<td>Other method</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LANX Character 1</th>
<th>Language other than English spoken at home</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (less than 5 years old)</td>
</tr>
<tr>
<td>1</td>
<td>Yes, speaks another language</td>
</tr>
<tr>
<td>2</td>
<td>No, speaks only English</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAR Character 1</th>
<th>Marital status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Married</td>
</tr>
<tr>
<td>2</td>
<td>Widowed</td>
</tr>
<tr>
<td>3</td>
<td>Divorced</td>
</tr>
<tr>
<td>4</td>
<td>Separated</td>
</tr>
<tr>
<td>5</td>
<td>Never married or under 15 years old</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MARHD Character 1</th>
<th>Divorced in the past 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (age less than 15 years; never married)</td>
</tr>
<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
</tr>
<tr>
<td>8</td>
<td>Suppressed for data year 2018 for select PUMAs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MARHM Character 1</th>
<th>Married in the past 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (age less than 15 years; never married)</td>
</tr>
<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MARHT Character 1</th>
<th>Number of times married</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (age less than 15 years; never married)</td>
</tr>
</tbody>
</table>
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
bbb. 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
1948 .1948
1949 .1949
1950 .1950
1951 .1951
1952 .1952
1953 .1953
1954 .1954
1955 .1955
1956 .1956
1957 .1957
1958 .1958
1959 .1959
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2004 .2004
2005 .2005
2006 .2006
2007 .2007
2008 .2008
2009 .2009
2010 .2010
2011 .2011
2012 .2012
2013 .2013
2014 .2014
2015 .2015
2016 .2016
2017 .2017
2018 .2018
2019 .2019

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
<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
<th>Values</th>
<th>Notes</th>
</tr>
</thead>
</table>
| MLPB      | Character 1                                                                                    | Served August 1990 - August 2001 (including Persian Gulf War) | 0. Did not serve this period  
1. Served this period |
| MLPCD     | Character 1                                                                                    | Served May 1975 - July 1990                | b. N/A (less than 17 years old/no active duty)  
0. Did not serve this period  
1. Served this period |
| MLPE      | Character 1                                                                                    | Served Vietnam era (August 1964 - April 1975) | b. N/A (less than 17 years old/no active duty)  
0. Did not serve this period  
1. Served this period |
| MLPFG     | Character 1                                                                                    | Served February 1955 - July 1964           | b. N/A (less than 17 years old/no active duty)  
0. Did not serve this period  
1. Served this period |
| MLPH      | Character 1                                                                                    | Served Korean War (July 1950 - January 1955) | b. N/A (less than 17 years old/no active duty)  
0. Did not serve this period  
1. Served this period |
| MLPI      | Character 1                                                                                    | Served January 1947 - June 1950            | b. N/A (less than 17 years old/no active duty)  
0. Did not serve this period  
1. Served this period |
| MLPJ      | Character 1                                                                                    | Served World War II (December 1941 - December 1946) | b. N/A (less than 17 years old/no active duty)  
0. Did not serve this period  
1. Served this period |
| MLPK      | Character 1                                                                                    | Served November 1941 or earlier            | b. N/A (less than 17 years old/no active duty)  
0. Did not serve this period  
1. Served this period |
| NWAB      | Character 1                                                                                    | Temporary absence from work (UNEDITED - See "Employment Status Recode" (ESR)) | b. N/A (less than 16 years old/at work/on layoff)  
1. Yes  
2. No  
3. Did not report  

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

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

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

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

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

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

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

RETP  Numeric  6
Retirement income past 12 months (use ADJINC to adjust to constant dollars)
  bbbbbbb  . N/A (less than 15 years old)
  0  . None
  4.999999  . $4 to $999999 (Rounded and top-coded)

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

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

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

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

SEX  Character  1
Sex
1  .Male
2  .Female

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

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

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

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

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

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

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
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**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**

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| 483 | .Assyrian                    |
| 484 | .Chaldean                    |
| 490 | .Mideast                     |
| 495 | .Arab                        |
| 496 | .Arabic                      |
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| 541 | .Liberian                    |
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| 564 | .Senegalese                  |
| 566 | .Sierra Leonean              |
| 568 | .Somali                      |
| 570 | .South African               |
| 576 | .Sudanese                    |
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| 587 | .Other Subsaharan African    |
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994 .North American
995 .Mixture
996 .Uncodable entries
997 .Other groups
998 .Other responses
999 .Not reported

**DECADE Character 1**
Decade of entry
b .N/A (Born in the US)
1 .Before 1950
2 .1950 – 1959
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)
    .Living with two parents:
    1 .Both parents in labor force
    2 .Father only in labor force
    3 .Mother only in labor force
    4 .Neither parent in labor force living with one parent: Living
      .with father:
      5 .Father in the labor force
      6 .Father not in labor force living with mother:
      7 .Mother in the labor force
      8 .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

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2303 . School Student Counseling
2304 . Elementary Education
2305 . Mathematics Teacher Education
2306 . Physical And Health Education Teaching
2307 . Early Childhood Education
2308 . Science And Computer Teacher Education
2309 . Secondary Teacher Education
2310 . Special Needs Education
2311 . Social Science Or History Teacher Education
2312 . Teacher Education: Multiple Levels
2313 . Language And Drama Education
2314 . Art And Music Education
2399 . Miscellaneous Education
2400 . General Engineering
2401 . Aerospace Engineering
2402 . Biological Engineering
2403 . Architectural Engineering
2404 . Biomedical Engineering
2405 . Chemical Engineering
2406 . Civil Engineering
2407 . Computer Engineering
2408 . Electrical Engineering
2409 . Engineering Mechanics Physics And Science
2410 . Environmental Engineering
2411 . Geological And Geophysical Engineering
2412 . Industrial And Manufacturing Engineering
2413 . Materials Engineering And Materials Science
2414 . Mechanical Engineering
2415 . Metallurgical Engineering
2416 . Mining And Mineral Engineering
2417 . Naval Architecture And Marine Engineering
2418 . Nuclear Engineering
2419 . Petroleum Engineering
2499 . Miscellaneous Engineering
2500 . Engineering Technologies
2501 . Engineering And Industrial Management
2502 . Electrical Engineering Technology
2503 . Industrial Production Technologies
2504 . Mechanical Engineering Related Technologies
2599 . Miscellaneous Engineering Technologies
2601 . Linguistics And Comparative Language And Literature
2602 . French German Latin And Other Common Foreign Language Studies
2603 . Other Foreign Languages
2901 . Family And Consumer Sciences
3201 . Court Reporting
3202 . Pre-Law And Legal Studies
3301 . English Language And Literature
3302 . Composition And Rhetoric
3401 . Liberal Arts
3402 . Humanities
3501 . Library Science
3600 . Biology
3601 . Biochemical Sciences
3602 . Botany
3603 . Molecular Biology
3604 . Ecology
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
6402 . History
6403 . United States History

FOD2P

Character  4

Recoded field of degree - second entry

bbbb . N/A (less than bachelor's degree)
1100 . General Agriculture
1101 . Agriculture Production And Management
1102 . Agricultural Economics
1103 . Animal Sciences
1104 . Food Science
1105 . Plant Science And Agronomy
1106 . Soil Science
1199 . Miscellaneous Agriculture
1301 . Environmental Science
1302 . Forestry
1303 . Natural Resources Management
1401 . Architecture
1501 . Area Ethnic And Civilization Studies
1901 . Communications
1902 . Journalism
1903 . Mass Media
1904 . Advertising And Public Relations
2001 . Communication Technologies
2100 . Computer And Information Systems
2101 Computer Programming And Data Processing
2102 Computer Science
2105 Information Sciences
2106 Computer Administration Management And Security
2107 Computer Networking And Telecommunications
2201 Cosmetology Services And Culinary Arts
2300 General Education
2301 Educational Administration And Supervision
2303 School Student Counseling
2304 Elementary Education
2305 Mathematics Teacher Education
2306 Physical And Health Education Teaching
2307 Early Childhood Education
2308 Science And Computer Teacher Education
2309 Secondary Teacher Education
2310 Special Needs Education
2311 Social Science Or History Teacher Education
2312 Teacher Education: Multiple Levels
2313 Language And Drama Education
2314 Art And Music Education
2399 Miscellaneous Education
2400 General Engineering
2401 Aerospace Engineering
2402 Biological Engineering
2403 Architectural Engineering
2404 Biomedical Engineering
2405 Chemical Engineering
2406 Civil Engineering
2407 Computer Engineering
2408 Electrical Engineering
2409 Engineering Mechanics Physics And Science
2410 Environmental Engineering
2411 Geological And Geophysical Engineering
2412 Industrial And Manufacturing Engineering
2413 Materials Engineering And Materials Science
2414 Mechanical Engineering
2415 Metallurgical Engineering
2416 Mining And Mineral Engineering
2417 Naval Architecture And Marine Engineering
2418 Nuclear Engineering
2419 Petroleum Engineering
2499 Miscellaneous Engineering
2500 Engineering Technologies
2501 Engineering And Industrial Management
2502 Electrical Engineering Technology
2503 Industrial Production Technologies
2504 Mechanical Engineering Related Technologies
2599 Miscellaneous Engineering Technologies
2601 Linguistics And Comparative Language And Literature
2602 French German Latin And Other Common Foreign Language Studies
2603 Other Foreign Languages
2901 Family And Consumer Sciences
3201 Court Reporting
3202 Pre-Law And Legal Studies
3301 English Language And Literature
3302 Composition And Rhetoric
3401 .Liberal Arts
3402 .Humanities
3501 .Library Science
3600 .Biology
3601 .Biochemical Sciences
3602 .Botany
3603 .Molecular Biology
3604 .Ecology
3605 .Genetics
3606 .Microbiology
3607 .Pharmacology
3608 .Physiology
3609 .Zoology
3611 .Neuroscience
3699 .Miscellaneous Biology
3700 .Mathematics
3701 .Applied Mathematics
3702 .Statistics And Decision Science
3801 .Military Technologies
4000 .Multi/Interdisciplinary Studies
4001 .Intercultural And International Studies
4002 .Nutrition Sciences
4005 .Mathematics And Computer Science
4006 .Cognitive Science And Biopsychology
4007 .Interdisciplinary Social Sciences
4101 .Physical Fitness Parks Recreation And Leisure
4801 .Philosophy And Religious Studies
4901 .Theology And Religious Vocations
5000 .Physical Sciences
5001 .Astronomy And Astrophysics
5002 .Atmospheric Sciences And Meteorology
5003 .Chemistry
5004 .Geology And Earth Science
5005 .Geosciences
5006 .Oceanography
5007 .Physics
5008 .Materials Science
5098 .Multi-Disciplinary Or General Science
5102 .Nuclear, Industrial Radiology, And Biological Technologies
5200 .Psychology
5201 .Educational Psychology
5202 .Clinical Psychology
5203 .Counseling Psychology
5205 .Industrial And Organizational Psychology
5206 .Social Psychology
5299 .Miscellaneous Psychology
5301 .Criminal Justice And Fire Protection
5401 .Public Administration
5402 .Public Policy
5403 .Human Services And Community Organization
5404 .Social Work
5500 .General Social Sciences
5501 .Economics
5502 .Anthropology And Archeology
5503 .Criminology
5504 .Geography
5505 .International Relations
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**HICOV**  
**Character 1**  
Health insurance coverage recode  
1 .With health insurance coverage  
2 .No health insurance coverage

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

**INDP Character 4**

Industry recode for 2018 and later based on 2017 IND codes

```
bbbb .N/A (less than 16 years old/NILF who last worked more than .5 years ago or never worked)
0170 .AGR-Crop Production
0180 .AGR-Animal Production And Aquaculture
0190 .AGR-Forestry Except Logging
0270 .AGR-Logging
0280 .AGR-Fishing, Hunting And Trapping
0290 .AGR-Support Activities For Agriculture And Forestry
0370 .EXT-Oil And Gas Extraction
0380 .EXT-Coal Mining
0390 .EXT-Metal Ore Mining
0470 .EXT-Nonmetallic Mineral Mining And Quarrying
0490 .EXT-Support Activities For Mining
0570 .UTL-Electric Power Generation, Transmission And .Distribution
0580 .UTL-Natural Gas Distribution
0590 .UTL-Electric And Gas, And Other Combinations
0670 .UTL-Water, Steam, Air-Conditioning, And Irrigation Systems
0680 .UTL-Sewage Treatment Facilities
0690 .UTL-Not Specified Utilities
0770 .CON-Construction (The Cleaning Of Buildings And Dwellings .Is Incidental During Construction And Immediately After .Construction)
1070 .MFG-Animal Food, Grain And Oilseed Milling
1080 .MFG-Sugar And Confectionery Products
1090 .MFG-Fruit And Vegetable Preserving And Specialty Food
1170 .MFG-Dairy Product
1180 .MFG-Animal Slaughtering And Processing
1190 .MFG-Retail Bakeries
1270 .MFG-Bakeries And Tortilla, Except Retail Bakeries
1280 .MFG-Seafood And Other Miscellaneous Foods, N.E.C.
1290 .MFG-Not Specified Food Industries
1370 .MFG-Beverage
1390 .MFG-Tobacco
1470 .MFG-Fiber, Yarn, And Thread Mills
1480 .MFG-Fabric Mills, Except Knitting Mills
1490 .MFG-Textile And Fabric Finishing And Fabric Coating Mills
```
1570 .MFG-Carpet And Rug Mills
1590 .MFG-Textile Product Mills, Except Carpet And Rug
1670 .MFG-Knitting Fabric Mills, And Apparel Knitting Mills
1691 .MFG-Cut And Sew, And Apparel Accessories And Other Apparel
1770 .MFG-Footwear
1790 .MFG-Leather And Hide Tanning And Finishing, And Other
Leather And Allied Product
1870 .MFG-Pulp, Paper, And Paperboard Mills
1880 .MFG-Paperboard Container
1890 .MFG-Miscellaneous Paper And Pulp Products
1990 .MFG-Printing And Related Support Activities
2070 .MFG-Petroleum Refining
2090 .MFG-Miscellaneous Petroleum And Coal Products
2170 .MFG-Resin, Synthetic Rubber, And Fibers And Filaments
2180 .MFG-Agricultural Chemical
2190 .MFG-Pharmaceuticals And Medicine
2270 .MFG-Paint, Coating, And Adhesive
2280 .MFG-Soap, Cleaning Compound, And Cosmetics
2290 .MFG-Industrial And Miscellaneous Chemicals
2370 .MFG-Plastics Product
2380 .MFG-Tire
2390 .MFG-Rubber Products, Except Tires
2470 .MFG-Pottery, Ceramics, And Plumbing Fixture
2480 .MFG-Clay Building Material And Refractories
2490 .MFG-Glass And Glass Product
2570 .MFG-Cement, Concrete, Lime, And Gypsum Product
2590 .MFG-Miscellaneous Nonmetallic Mineral Product
2670 .MFG-Iron And Steel Mills And Steel Product
2680 .MFG-Aluminum Production And Processing
2690 .MFG-Nonferrous Metal (Except Aluminum) Production And
Processing
2770 .MFG-Foundries
2780 .MFG-Metal Forgings And Stampings
2790 .MFG-Cutlery And Hand Tool
2870 .MFG-Structural Metals, And Boiler, Tank, And Shipping
Container
2880 .MFG-Machine Shops; Turned Product; Screw, Nut And Bolt
2890 .MFG-Coating, Engraving, Heat Treating, And Allied
Activities
2970 .MFG-Ordnance
2980 .MFG-Miscellaneous Fabricated Metal Products
2990 .MFG-Not Specified Metal Industries
3070 .MFG-Agricultural Implement
3080 .MFG-Construction, And Mining And Oil And Gas Field
Machinery
3095 .MFG-Commercial And Service Industry Machinery
3170 .MFG-Metalworking Machinery
3180 .MFG-Engine, Turbine, And Power Transmission Equipment
3291 .MFG-Machinery N.E.C. Or Not Specified
3365 .MFG-Computer And Peripheral Equipment
3370 .MFG-Communications, Audio And Video Equipment
3380 .MFG-Navigational, Measuring, Electromedical, And Control
Instruments
3390 .MFG-Electronic Component And Product, N.E.C.
3470 .MFG-Household Appliance
3490 .MFG-Electric Lighting And Electrical Equipment, And Other
Electrical Component, N.E.C.
3570 .MFG-Motor Vehicles And Motor Vehicle Equipment
3580 .MFG-Aircraft And Parts
3590 .MFG-Aerospace Products And Parts
3670 .MFG-Railroad Rolling Stock
3680 .MFG-Ship And Boat Building
3690 .MFG-Other Transportation Equipment
3770 .MFG-Sawmills And Wood Preservation
3780 .MFG-Veneer, Plywood, And Engineered Wood Products
3790 .MFG-Prefabricated Wood Buildings And Mobile Homes
3875 .MFG-Miscellaneous Wood Products
3895 .MFG-Furniture And Related Product
3960 .MFG-Medical Equipment And Supplies
3970 .MFG-Sporting And Athletic Goods, And Doll, Toy And Game
3980 .MFG-Not Specified Manufacturing Industries
4070 .WHL-Motor Vehicle And Motor Vehicle Parts And Supplies .Merchant Wholesalers
4080 .WHL-Furniture And Home Furnishing Merchant Wholesalers
4090 .WHL-Lumber And Other Construction Materials Merchant .Wholesalers
4170 .WHL-Professional And Commercial Equipment And Supplies .Merchant Wholesalers
4180 .WHL-Metals And Minerals, Except Petroleum, Merchant .Wholesalers
4195 .WHL-Household Appliances And Electrical And Electronic .Goods Merchant Wholesalers
4265 .WHL-Hardware, And Plumbing And Heating Equipment, And .Supplies Merchant Wholesalers
4270 .WHL-Machinery, Equipment, And Supplies Merchant Wholesalers
4280 .WHL-Recyclable Material Merchant Wholesalers
4290 .WHL-Miscellaneous Durable Goods Merchant Wholesalers
4370 .WHL-Paper And Paper Products Merchant Wholesalers
4380 .WHL-Drugs, Sundries, And Chemical And Allied Products .Merchant Wholesalers
4390 .WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers
4470 .WHL-Grocery And Related Product Merchant Wholesalers
4480 .WHL-Farm Product Raw Material Merchant Wholesalers
4490 .WHL-Petroleum And Petroleum Products Merchant Wholesalers
4560 .WHL-Alcoholic Beverages Merchant Wholesalers
4570 .WHL-Farm Supplies Merchant Wholesalers
4580 .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers
4585 .WHL-Wholesale Electronic Markets And Agents And Brokers
4590 .WHL-Not Specified Wholesale Trade
4670 .RET-Automobile Dealers
4680 .RET-Other Motor Vehicle Dealers
4690 .RET-Automotive Parts, Accessories, And Tire Stores
4770 .RET-Furniture And Home Furnishings Stores
4780 .RET-Household Appliance Stores
4795 .RET-Electronics Stores
4870 .RET-Building Material And Supplies Dealers
4880 .RET-Hardware Stores
4890 .RET-Lawn And Garden Equipment And Supplies Stores
4971 .RET-Supermarkets and Other Grocery (Except Convenience) .Stores
4972 .RET- Convenience Stores
4980 .RET-Specialty Food Stores
4990 .RET-Beer, Wine, And Liquor Stores

64
5070 .RET-Pharmacies And Drug Stores
5080 .RET-Health And Personal Care, Except Drug Stores
5090 .RET-Gasoline Stations
5170 .RET-Clothing Stores
5180 .RET-Shoe Stores
5190 .RET-Jewelry, Luggage, And Leather Goods Stores
5275 .RET-Sporting Goods, And Hobby And Toy Stores
5280 .RET-Sewing, Needlework, And Piece Goods Stores
5295 .RET-Musical Instrument And Supplies Stores
5370 .RET-Book Stores And News Dealers
5381 .RET-Department Stores
5391 .RET-General Merchandise Stores, Including Warehouse Clubs 
  and Supercenters
5470 .RET-Florists
5480 .RET-Office Supplies And Stationery Stores
5490 .RET-Used Merchandise Stores
5570 .RET-Gift, Novelty, And Souvenir Shops
5580 .RET-Miscellaneous Retail Stores
5593 .RET-Electronic Shopping And Mail-Order Houses
5670 .RET-Vending Machine Operators
5680 .RET-Fuel Dealers
5690 .RET-Other Direct Selling Establishments
5790 .RET-Not Specified Retail Trade
6070 .TRN-Air Transportation
6080 .TRN-Rail Transportation
6090 .TRN-Water Transportation
6170 .TRN-Truck Transportation
6180 .TRN-Bus Service And Urban Transit
6190 .TRN-Taxi And Limousine Service
6270 .TRN-Pipeline Transportation
6280 .TRN-Scenic And Sightseeing Transportation
6290 .TRN-Services Incidental To Transportation
6370 .TRN-Postal Service
6380 .TRN-Couriers And Messengers
6390 .TRN-Warehousing And Storage
6470 .INF-Newspaper Publishers
6480 .INF-Periodical, Book, And Directory Publishers
6490 .INF-Software Publishers
6570 .INF-Motion Pictures And Video Industries
6590 .INF-Sound Recording Industries
6670 .INF-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
7180 .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
7300 .PRF-Specialized Design Services
7380 .PRF-Computer Systems Design And Related Services
7390 .PRF-Management, Scientific, And Technical Consulting Services
7460 .PRF-Scientific Research And Development Services
7470 .PRF-Advertising, Public Relations, And Related Services
7480 .PRF-Veterinary Services
7490 .PRF-Other Professional, Scientific, And Technical Services
7570 .PRF-Management Of Companies And Enterprises
7580 .PRF-Employment Services
7590 .PRF-Business Support Services
7670 .PRF-Travel Arrangements And Reservation Services
7680 .PRF-Investigation And Security Services
7690 .PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)
7770 .PRF-Landscaping Services
7780 .PRF-Other Administrative And Other Support Services
7790 .PRF-Waste Management And Remediation Services
7860 .EDU-Elementary And Secondary Schools
7870 .EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges
7880 .EDU-Business, Technical, And Trade Schools And Training
7890 .EDU-Other Schools And Instruction, And Educational Support Services
7970 .MED-Offices Of Physicians
7980 .MED-Offices Of Dentists
7990 .MED-Offices Of Chiropractors
8070 .MED-Offices Of Optometrists
8080 .MED-Offices Of Other Health Practitioners
8090 .MED-Outpatient Care Centers
8170 .MED-Home Health Care Services
8180 .MED-Other Health Care Services
8191 .MED-General Medical And Surgical Hospitals, And Specialty (Except Psychiatric And Substance Abuse) Hospitals
8192 .MED-Psychiatric And Substance Abuse Hospitals
8270 .MED-Nursing Care Facilities (Skilled Nursing Facilities)
8290 .MED-Residential Care Facilities, Except Skilled Nursing Facilities
8370 .SCA-Individual And Family Services
8380 .SCA-Community Food And Housing, And Emergency Services
8390 .SCA-Vocational Rehabilitation Services
8470 .SCA-Child Day Care Services
8561 .ENT-Performing Arts Companies
8562 .ENT-Spectator Sports
8563 .ENT-Promoters Of Performing Arts, Sports, And Similar
     Events, Agents And Managers For Artists, Athletes,
     Entertainers, And Other Public Figures
8564 .ENT-Independent Artists, Writers, And Performers
8570 .ENT-Museums, Art Galleries, Historical Sites, And Similar
     Institutions
8580 .ENT-Bowling Centers
8590 .ENT-Other Amusement, Gambling, And Recreation Industries
8660 .ENT-Traveler Accommodation
8670 .ENT-Recreational Vehicle Parks And Camps, And Rooming And
     Boarding Houses, Dormitories, And Workers' Camps
8680 .ENT-Restaurants And Other Food Services
8690 .ENT-Drinking Places, Alcoholic Beverages
8770 .SRV-Automotive Repair And Maintenance
8780 .SRV-Car Washes
8790 .SRV-Electronic And Precision Equipment Repair And
     Maintenance
8870 .SRV-Commercial And Industrial Machinery And Equipment
     Repair And Maintenance
8891 .SRV-Personal And Household Goods Repair And Maintenance
8970 .SRV-Barber Shops
8990 .SRV-Beauty Salons
8990 .SRV-Nail Salons And Other Personal Care Services
9070 .SRV-Drycleaning And Laundry Services
9080 .SRV-Funeral Homes, And Cemeteries And Crematories
9090 .SRV-Other Personal Services
9160 .SRV-Religious Organizations
9170 .SRV-Civic, Social, Advocacy Organizations, And Grantmaking
     And Giving Services
9180 .SRV-Labor Unions
9190 .SRV-Business, Professional, Political, And Similar
     Organizations
9290 .SRV-Private Households
9370 .ADM-Executive Offices And Legislative Bodies
9380 .ADM-Public Finance Activities
9390 .ADM-Other General Government And Support
9470 .ADM-Justice, Public Order, And Safety Activities
9480 .ADM-Administration Of Human Resource Programs
9490 .ADM-Administration Of Environmental Quality And Housing
     Programs
9570 .ADM-Administration Of Economic Programs And Space Research
9590 .ADM-National Security And International Affairs
9670 .MIL-U.S. Army
9680 .MIL-U.S. Air Force
9690 .MIL-U.S. Navy
9770 .MIL-U.S. Marines
9780 .MIL-U.S. Coast Guard
9790 .MIL-Armed Forces, Branch Not Specified
9870 .MIL-Military Reserves Or National Guard
9920 .Unemployed, With No Work Experience In The Last 5 Years Or
     Earlier Or Never Worked

JWAP  Character  3
Time of arrival at work - hour and minute
bbb .N/A (not a worker; worker who worked at home)
001 .12:00 a.m. to 12:04 a.m.
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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.
002 .12:30 a.m. to 12:59 a.m.
003 .1:00 a.m. to 1:29 a.m.
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LANP

Character  4

Language spoken at home
bbbb .N/A (GQ/vacant)
1000 .Jamaican Creole English
1025 .Other English-based Creole languages
1055 .Haitian
1069 .Kabuverdianu
1110 .German
1120 .Swiss German
1125 .Pennsylvania German
1130 .Yiddish
1132 .Dutch
1134 .Afrikaans
1140 .Swedish
1141 .Danish
1142 .Norwegian
1155 .Italian

75
1170 .French
1175 .Cajun French
1200 .Spanish
1210 .Portuguese
1220 .Romanian
1231 .Irish
1235 .Greek
1242 .Albanian
1250 .Russian
1260 .Ukrainian
1262 .Czech
1263 .Slovak
1270 .Polish
1273 .Bulgarian
1274 .Macedonian
1275 .Serbocroatian
1276 .Bosnian
1277 .Croatian
1278 .Serbian
1281 .Lithuanian
1283 .Latvian
1288 .Armenian
1290 .Farsi
1292 .Dari
1315 .Kurdish
1327 .Pashto
1340 .India N.E.C.
1350 .Hindi
1360 .Urdu
1380 .Bengali
1420 .Punjabi
1435 .Konkani
1440 .Marathi
1450 .Gujarati
1500 .Nepali
1525 .Pakistan N.E.C.
1530 .Sinhala
1540 .Other Indo-Iranian languages
1564 .Other Indo-European languages
1565 .Finnish
1582 .Hungarian
1675 .Turkish
1690 .Mongolian
1730 .Telugu
1737 .Kannada
1750 .Malayalam
1765 .Tamil
1900 .Khmer
1960 .Vietnamese
1970 .Chinese
2000 .Mandarin
2030 .Min Nan Chinese
2050 .Cantonese
2100 .Tibetan
2160 .Burmesse
2270 .Chin languages
2350 .Karen languages
7300 . Other Central and South American languages
9999 . Other and unspecified languages

**MIGPUMA Character 5**
Migration PUMA based on 2010 Census definition

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

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

bbb N/A (person less than 1 year old/lived in same house 1 year ago)
001 . Alabama/AL
002 . Alaska/AK
004 . Arizona/AZ
005 . Arkansas/AR
006 . California/CA
008 . Colorado/CO
009 . Connecticut/CT
010 . Delaware/DE
011 . District of Columbia/DC
012 . Florida/FL
013 . Georgia/GA
015 . Hawaii/HI
016 . Idaho/ID
017 . Illinois/IL
018 . Indiana/IN
019 . Iowa/IA
020 . Kansas/KS
021 . Kentucky/KY
022 . Louisiana/LA
023 . Maine/ME
024 . Maryland/MD
025 . Massachusetts/MA
026 . Michigan/MI
027 . Minnesota/MN
028 . Mississippi/MS
029 . Missouri/MO
030 . Montana/MT
031 . Nebraska/NE
032 . Nevada/NV
033 . New Hampshire/NH
034 . New Jersey/NJ
035 . New Mexico/NM
036 . New York/NY
037 . North Carolina/NC
038 . North Dakota/ND
039 . Ohio/OH
040 . Oklahoma/OK
041 . Oregon/OR
042 . Pennsylvania/PA
044 . Rhode Island/RI
045 .South Carolina/SC
046 .South Dakota/SD
047 .Tennessee/TN
048 .Texas/TX
049 .Utah/UT
050 .Vermont/VT
051 .Virginia/VA
053 .Washington/WA
054 .West Virginia/WV
055 .Wisconsin/WI
056 .Wyoming/WY
072 .Puerto Rico
109 .France
110 .Germany
111 .Northern Europe, Not Specified
113 .Eastern Europe, Not Specified
114 .Western Europe or Other Europe, Not Specified
120 .Italy
134 .Spain
138 .United Kingdom, Excluding England
139 .England
163 .Russia
164 .Ukraine
200 .Afghanistan
207 .China, Hong Kong, Macau And Paracel Islands
210 .India
214 .Israel
215 .Japan
217 .Korea
229 .Nepal
231 .Pakistan
233 .Philippines
235 .Saudi Arabia
240 .Taiwan
242 .Thailand
243 .Turkey
245 .United Arab Emirates
247 .Vietnam
251 .Eastern Asia, Not Specified
252 .Western Asia, Not Specified
253 .South Central Asia or Asia, Not Specified
301 .Canada
303 .Mexico
312 .El Salvador
313 .Guatemala
314 .Honduras
317 .Central America, Not Specified
327 .Cuba
329 .Dominican Republic
332 .Haiti
333 .Jamaica
344 .Caribbean and North America, Not Specified
362 .Brazil
364 .Colombia
365 .Ecuador
370 .Peru
373 .Venezuela
374 .South America, Not Specified
414 .Egypt
416 .Ethiopia
427 .Kenya
440 .Nigeria
467 .Western Africa, Not Specified
468 .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
b b b b b b .N/A (less than 16 years old/NILF who last worked more
.than 5 years ago or never worked)
111 .AGR-Crop Production
112 .AGR-Animal Production And Aquaculture
1133 .AGR-Logging
113M .AGR-Forestry Except Logging
114 .AGR-Fishing, Hunting And Trapping
115 .AGR-Support Activities For Agriculture And Forestry
211 .EXT-Oil And Gas Extraction
2121 .EXT-Coal Mining
2122 .EXT-Metal Ore Mining
2123 .EXT-Nonmetallic Mineral Mining And Quarrying
213 .EXT-Support Activities For Mining
2211P .UTL-Electric Power Generation, Transmission And
.Distribution
2212P .UTL-Natural Gas Distribution
22132 .UTL-Sewage Treatment Facilities
2213M .UTL-Water, Steam, Air-Conditioning, And Irrigation
.Systems
221MP .UTL-Electric And Gas, And Other Combinations
22S .UTL-Not Specified Utilities
23 .CON-Construction (The Cleaning Of Buildings And
.Dwellings Is Incidental During Construction And
.Immediately After Construction)
3113 .MFG-Sugar And Confectionery Products
3114 .MFG-Fruit And Vegetable Preserving And Specialty Food
3115 .MFG-Dairy Product
3116 .MFG-Animal Slaughtering And Processing
311811 .MFG-Retail Bakeries
3118Z .MFG-Bakeries And Tortilla, Except Retail Bakeries
311M1 .MFG-Animal Food, Grain And Oilseed Milling
311M2 .MFG-Seafood And Other Miscellaneous Foods, N.E.C.
311S .MFG-Not Specified Food Industries
<table>
<thead>
<tr>
<th>Code</th>
<th>Industry Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3121</td>
<td>MFG-Beverage</td>
</tr>
<tr>
<td>3122</td>
<td>MFG-Tobacco</td>
</tr>
<tr>
<td>3131</td>
<td>MFG-Fiber, Yarn, And Thread Mills</td>
</tr>
<tr>
<td>3132Z</td>
<td>MFG-Fabric Mills, Except Knitting Mills</td>
</tr>
<tr>
<td>3133</td>
<td>MFG-Textile And Fabric Finishing And Fabric Coating Mills</td>
</tr>
<tr>
<td>3141</td>
<td>MFG-Carpet And Rug Mills</td>
</tr>
<tr>
<td>314Z</td>
<td>MFG-Textile Product Mills, Except Carpet And Rug</td>
</tr>
<tr>
<td>315M</td>
<td>MFG-Cut And Sew, And Apparel Accessories And Other Apparel</td>
</tr>
<tr>
<td>3162</td>
<td>MFG-Footwear</td>
</tr>
<tr>
<td>316M</td>
<td>MFG-Leather And Hide Tanning And Finishing, And Other Leather And Allied Product</td>
</tr>
<tr>
<td>31M</td>
<td>MFG-Knitting Fabric Mills, And Apparel Knitting Mills</td>
</tr>
<tr>
<td>3211</td>
<td>MFG-Sawmills And Wood Preservation</td>
</tr>
<tr>
<td>3212</td>
<td>MFG-Veneer, Plywood, And Engineered Wood Products</td>
</tr>
<tr>
<td>32199M</td>
<td>MFG-Prefabricated Wood Buildings And Mobile Homes</td>
</tr>
<tr>
<td>3219ZM</td>
<td>MFG-Miscellaneous Wood Products</td>
</tr>
<tr>
<td>3221</td>
<td>MFG-Pulp, Paper, And Paperboard Mills</td>
</tr>
<tr>
<td>32221</td>
<td>MFG-Paperboard Container</td>
</tr>
<tr>
<td>3222M</td>
<td>MFG-Miscellaneous Paper And Pulp Products</td>
</tr>
<tr>
<td>3231</td>
<td>MFG-Printing And Related Support Activities</td>
</tr>
<tr>
<td>3241M</td>
<td>MFG-Miscellaneous Petroleum And Coal Products</td>
</tr>
<tr>
<td>32411</td>
<td>MFG-Petroleum Refining</td>
</tr>
<tr>
<td>3252</td>
<td>MFG-Resin, Synthetic Rubber, And Fibers And Filaments</td>
</tr>
<tr>
<td>3253</td>
<td>MFG-Agricultural Chemical</td>
</tr>
<tr>
<td>3254</td>
<td>MFG-Pharmaceuticals And Medicine</td>
</tr>
<tr>
<td>3255</td>
<td>MFG-Paint, Coating, And Adhesive</td>
</tr>
<tr>
<td>3256</td>
<td>MFG-Soap, Cleaning Compound, And Cosmetics</td>
</tr>
<tr>
<td>325M</td>
<td>MFG-Industrial And Miscellaneous Chemicals</td>
</tr>
<tr>
<td>3261</td>
<td>MFG-Plastics Product</td>
</tr>
<tr>
<td>32621</td>
<td>MFG-Tire</td>
</tr>
<tr>
<td>3262M</td>
<td>MFG-Rubber Products, Except Tires</td>
</tr>
<tr>
<td>32711</td>
<td>MFG-Pottery, Ceramics, And Plumbing Fixture</td>
</tr>
<tr>
<td>327120</td>
<td>MFG-Clay Building Material And Refractories</td>
</tr>
<tr>
<td>3272</td>
<td>MFG-Glass And Glass Product</td>
</tr>
<tr>
<td>3279</td>
<td>MFG-Miscellaneous Nonmetallic Mineral Product</td>
</tr>
<tr>
<td>327M</td>
<td>MFG-Cement, Concrete, Lime, And Gypsum Product</td>
</tr>
<tr>
<td>3313</td>
<td>MFG-Aluminum Production And Processing</td>
</tr>
<tr>
<td>3314</td>
<td>MFG-Nonferrous Metal (Except Aluminum) Production And Processing</td>
</tr>
<tr>
<td>3315</td>
<td>MFG-Foundries</td>
</tr>
<tr>
<td>331M</td>
<td>MFG-Iron And Steel Mills And Steel Product</td>
</tr>
<tr>
<td>3321</td>
<td>MFG-Metal Forgings And Stampings</td>
</tr>
<tr>
<td>3322</td>
<td>MFG-Cutlery And Hand Tool</td>
</tr>
<tr>
<td>3327</td>
<td>MFG-Machine Shops; Turned Product; Screw, Nut And Bolt</td>
</tr>
<tr>
<td>3328</td>
<td>MFG-Coating, Engraving, Heat Treating, And Allied Activities</td>
</tr>
<tr>
<td>33299M</td>
<td>MFG-Ordnance</td>
</tr>
<tr>
<td>332M</td>
<td>MFG-Structural Metals, And Boiler, Tank, And Shipping Container</td>
</tr>
<tr>
<td>332MZ</td>
<td>MFG-Miscellaneous Fabricated Metal Products</td>
</tr>
<tr>
<td>3331</td>
<td>MFG-Agricultural Implement</td>
</tr>
<tr>
<td>3331M</td>
<td>MFG-Construction, And Mining And Oil And Gas Field Machinery</td>
</tr>
<tr>
<td>3333</td>
<td>MFG-Commercial And Service Industry Machinery</td>
</tr>
<tr>
<td>3335</td>
<td>MFG-Metalworking Machinery</td>
</tr>
</tbody>
</table>
82
83
443141 .RET-Household Appliance Stores
443142 .RET-Electronics Stores
443143 .RET-Hardware Stores
44314Z .RET-Building Material And Supplies Dealers
4432 .RET-Lawn And Garden Equipment And Supplies Stores
44511 .RET-Supermarkets And Other Grocery (Except Convenience) Stores
44512 .RET-Convenience Stores
4452 .RET-Specialty Food Stores
4453 .RET-Beer, Wine, And Liquor Stores
44611 .RET-Pharmacies And Drug Stores
4462Z .RET-Health And Personal Care, Except Drug, Stores
447 .RET-Gasoline Stations
44821 .RET-Shoe Stores
44823 .RET-Jewelry, Luggage, And Leather Goods Stores
44824 .RET-Clothing Stores
4482M .RET-Sporting Goods, And Hobby And Toy Stores
4483 .RET-Office Supplies And Stationery Stores
44831 .RET-Used Merchandise Stores
44832 .RET-Fuel Dealers
44833 .RET-Miscellaneous Retail Stores
44839 .RET-Other Direct Selling Establishments
4484 .TRN-Air Transportation
44841 .TRN-Rail Transportation
44843 .TRN-Water Transportation
44844 .TRN-Truck Transportation
44851 .TRN-Taxi And Limousine Service
4485M .TRN-Bus Service And Urban Transit
44861 .TRN-Pipeline Transportation
44871 .TRN-Scenic And Sightseeing Transportation
44881 .TRN-Services Incidental To Transportation
44891 .TRN-Postal Service
44892 .TRN-Couriers And Messengers
44893 .TRN-Warehousing And Storage
51111 .INF-Newspaper Publishers
5111Z .INF-Periodical, Book, And Directory Publishers
5112 .INF-Software Publishers
5121 .INF-Motion Pictures And Video Industries
5122 .INF-Sound Recording Industries
515 .INF-Broadcasting (Except Internet)
517311 .INF-Wired Telecommunications Carriers
517Z .INF-Telecommunications, Except Wired Telecommunications Carriers
5182 .INF-Data Processing, Hosting, And Related Services
51912 .INF-Libraries And Archives
NATIVITY Character 1
Nativity
1 .Native
2 .Foreign born

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

OC Character 1
Own child
b .N/A (in GQ)
0 .No
1 .Yes

OCCP Character 4
Occupation recode for 2018 and later based on 2018 OCC codes
bbbb .N/A (less than 16 years old/NILF who last worked more than
.5 years ago or never worked)
0010 .MGR-Chief Executives And Legislators
0020 .MGR-General And Operations Managers
0040 .MGR-Advertising And Promotions Managers
0051 .MGR-Marketing Managers
0052 .MGR-Sales Managers
0060 .MGR-Public Relations And Fundraising Managers
0101 .MGR-Administrative Services Managers
0102 .MGR-Facilities Managers
0110 .MGR-Computer And Information Systems Managers
0120 .MGR-Financial Managers
0135 .MGR-Compensation And Benefits Managers
0136 .MGR-Human Resources Managers
0137 .MGR-Training And Development Managers
0140 .MGR-Industrial Production Managers
1065 .CMM-Database Administrators and Architects
1105 .CMM-Network And Computer Systems Administrators
1106 .CMM-Computer Network Architects
1108 .CMM-Computer Occupations, All Other
1200 .CMM-Actuaries
1220 .CMM-Operations Research Analysts
1240 .CMM-Other Mathematical Science Occupations
1305 .ENG-Architects, Except Landscape And Naval
1306 .ENG-Landscape Architects
1310 .ENG-Surveyors, Cartographers, And Photogrammetrists
1320 .ENG-Aerospace Engineers
1340 .ENG-Biomedical And Agricultural Engineers
1350 .ENG-Chemical Engineers
1360 .ENG-Civil Engineers
1400 .ENG-Computer Hardware Engineers
1410 .ENG-Electrical And Electronics Engineers
1420 .ENG-Environmental Engineers
1430 .ENG-Industrial Engineers, Including Health And Safety
1440 .ENG-Marine Engineers And Naval Architects
1450 .ENG-Materials Engineers
1460 .ENG-Mechanical Engineers
1520 .ENG-Petroleum, Mining And Geological Engineers, Including
 .Mining Safety Engineers
1530 .ENG-Other Engineers
1541 .ENG-Architectural And Civil Drafters
1545 .ENG-Other Drafters
1551 .ENG-Electrical And Electronic Engineering Technologists And
 .Technicians
1555 .ENG-Other Engineering Technologists And Technicians, Except
 .Drafters
1560 .ENG-Surveying And Mapping Technicians
1600 .SCI-Agricultural And Food Scientists
1610 .SCI-Biological Scientists
1640 .SCI-Conservation Scientists And Foresters
1650 .SCI-Other Life Scientists
1700 .SCI-Astronomers And Physicists
1710 .SCI-Atmospheric And Space Scientists
1720 .SCI-Chemists And Materials Scientists
1745 .SCI-Environmental Scientists And Specialists, Including
 .Health
1750 .SCI-Geoscientists And Hydrologists, Except Geographers
1760 .SCI-Physical Scientists, All Other
1800 .SCI-Economists
1821 .SCI-Clinical And Counseling Psychologists
1822 .SCI-School Psychologists
1825 .SCI-Other Psychologists
1840 .SCI-Urban And Regional Planners
1860 .SCI-Other Social Scientists
1900 .SCI-Agricultural And Food Science Technicians
1910 .SCI-Biological Technicians
1920 .SCI-Chemical Technicians
1935 .SCI-Environmental Science and Geoscience Technicians, And
 .Nuclear Technicians
1970 .SCI-Other Life, Physical, And Social Science Technicians
1980 .SCI-Occupational Health And Safety Specialists and
 .Technicians
2001 .CMS-Substance Abuse And Behavioral Disorder Counselors
2830 .ENT-Editors
2840 .ENT-Technical Writers
2850 .ENT-Writers And Authors
2861 .ENT-Interpreters and Translators
2862 .ENT-Court Reporters and Simultaneous Captioners
2865 .ENT-Media And Communication Workers, All Other
2905 .ENT-Other Media And Communication Equipment Workers
2910 .ENT-Photographers
2920 .ENT-Television, Video, And Film Camera Operators And .Editors
3000 .MED-Chiropractors
3010 .MED-Dentists
3030 .MED-Dietitians And Nutritionists
3040 .MED-Optometrists
3050 .MED-Pharmacists
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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4340</td>
<td>.PRS-Animal Trainers</td>
</tr>
<tr>
<td>4350</td>
<td>.PRS-Animal Caretakers</td>
</tr>
<tr>
<td>4400</td>
<td>.PRS-Gambling Services Workers</td>
</tr>
<tr>
<td>4420</td>
<td>.PRS-Ushers, Lobby Attendants, And Ticket Takers</td>
</tr>
<tr>
<td>4435</td>
<td>.PRS-Other Entertainment Attendants And Related Workers</td>
</tr>
<tr>
<td>4461</td>
<td>.PRS-Embalmers, Crematory Operators And Funeral Attendants</td>
</tr>
<tr>
<td>4465</td>
<td>.PRS-Morticians, Undertakers, And Funeral Arrangers</td>
</tr>
<tr>
<td>4500</td>
<td>.PRS-Barbers</td>
</tr>
<tr>
<td>4510</td>
<td>.PRS-Hairdressers, Hairstylists, And Cosmetologists</td>
</tr>
<tr>
<td>4521</td>
<td>.PRS-Manicurists And Pedicurists</td>
</tr>
<tr>
<td>4522</td>
<td>.PRS-Skincare Specialists</td>
</tr>
<tr>
<td>4525</td>
<td>.PRS-Other Personal Appearance Workers</td>
</tr>
<tr>
<td>4530</td>
<td>.PRS-Baggage Porters, Bellhops, And Concierges</td>
</tr>
<tr>
<td>4540</td>
<td>.PRS-Tour And Travel Guides</td>
</tr>
<tr>
<td>4600</td>
<td>.PRS-Childcare Workers</td>
</tr>
<tr>
<td>4621</td>
<td>.PRS-Exercise Trainers And Group Fitness Instructors</td>
</tr>
<tr>
<td>4622</td>
<td>.PRS-Recreation Workers</td>
</tr>
<tr>
<td>4640</td>
<td>.PRS-Residential Advisors</td>
</tr>
<tr>
<td>4655</td>
<td>.PRS-Personal Care and Service Workers, All Other</td>
</tr>
<tr>
<td>4700</td>
<td>.SAL-First-Line Supervisors Of Retail Sales Workers</td>
</tr>
<tr>
<td>4710</td>
<td>.SAL-First-Line Supervisors Of Non-Retail Sales Workers</td>
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<tr>
<td>4720</td>
<td>.SAL-Cashiers</td>
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<tr>
<td>4740</td>
<td>.SAL-Counter And Rental Clerks</td>
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<tr>
<td>4750</td>
<td>.SAL-Parts Salespersons</td>
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<td>.SAL-Retail Salespersons</td>
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<td>.SAL-Insurance Sales Agents</td>
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<td>4920</td>
<td>.SAL-Real Estate Brokers And Sales Agents</td>
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<td>4940</td>
<td>.SAL-Telemarketers</td>
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<td>4950</td>
<td>.SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers</td>
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<td>.SAL-Sales And Related Workers, All Other</td>
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<td>5000</td>
<td>.OFF-First-Line Supervisors Of Office And Administrative Support Workers</td>
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<tr>
<td>5010</td>
<td>.OFF-Switchboard Operators, Including Answering Service</td>
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<td>5020</td>
<td>.OFF-Telephone Operators</td>
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<tr>
<td>5040</td>
<td>.OFF-Communications Equipment Operators, All Other</td>
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<tr>
<td>5100</td>
<td>.OFF-Bill And Account Collectors</td>
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<tr>
<td>5110</td>
<td>.OFF-Billing And Posting Clerks</td>
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<tr>
<td>5120</td>
<td>.OFF-Bookkeeping, Accounting, And Auditing Clerks</td>
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<tr>
<td>5140</td>
<td>.OFF-Payroll And Timekeeping Clerks</td>
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<td>5150</td>
<td>.OFF-Procurement Clerks</td>
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<td>.OFF-Tellers</td>
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<td>5165</td>
<td>.OFF-Other Financial Clerks</td>
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<td>5220</td>
<td>.OFF-Court, Municipal, And License Clerks</td>
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<tr>
<td>5230</td>
<td>.OFF-Credit Authorizers, Checkers, And Clerks</td>
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<tr>
<td>5240</td>
<td>.OFF-Customer Service Representatives</td>
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<tr>
<td>5250</td>
<td>.OFF-Eligibility Interviewers, Government Programs</td>
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<td>.OFF-File Clerks</td>
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5300 .OFF-Hotel, Motel, And Resort Desk Clerks
5310 .OFF-Interviewers, Except Eligibility And Loan
5320 .OFF-Library Assistants, Clerical
5330 .OFF-Loan Interviewers And Clerks
5340 .OFF-New Accounts Clerks
5350 .OFF-Correspondence Clerks And Order Clerks
5360 .OFF-Human Resources Assistants, Except Payroll And .Timekeeping
5400 .OFF-Receptionists And Information Clerks
5410 .OFF-Reservation And Transportation Ticket Agents And Travel .Clerks
5420 .OFF-Other Information And Records Clerks
5500 .OFF-Cargo And Freight Agents
5510 .OFF-Couriers And Messengers
5521 .OFF-Public Safety Telecommunicators
5522 .OFF-Dispatchers, Except Police, Fire, And Ambulance
5530 .OFF-Meter Readers, Utilities
5540 .OFF-Postal Service Clerks
5550 .OFF-Postal Service Mail Carriers
5560 .OFF-Postal Service Mail Sorters, Processors, And Processing .Machine Operators
5600 .OFF-Production, Planning, And Expediting Clerks
5610 .OFF-Shipping, Receiving, And Inventory Clerks
5630 .OFF-Weighers, Measurers, Checkers, And Samplers, And .Recordkeeping
5710 .OFF-Executive Secretaries And Executive Administrative .Assistants
5720 .OFF-Legal Secretaries And Administrative Assistants
5730 .OFF-Medical Secretaries And Administrative Assistants
5740 .OFF-Secretaries And Administrative Assistants, Except .Legal, Medical, And Executive
5810 .OFF-Data Entry Keyers
5820 .OFF-Word Processors And Typists
5840 .OFF-Insurance Claims And Policy Processing Clerks
5850 .OFF-Mail Clerks And Mail Machine Operators, Except Postal .Service
5860 .OFF-Office Clerks, General
5900 .OFF-Office Machine Operators, Except Computer
5910 .OFF-Proofreaders And Copy Markers
5920 .OFF-Statistical Assistants
5940 .OFF-Other Office And Administrative Support Workers
6005 .FFF-First-Line Supervisors Of Farming, Fishing, And .Forestry Workers
6010 .FFF-Agricultural Inspectors
6040 .FFF-Graders And Sorters, Agricultural Products
6050 .FFF-Other Agricultural Workers
6115 .FFF-Fishing And Hunting Workers
6120 .FFF-Forest And Conservation Workers
6130 .FFF-Logging Workers
6200 .CON-First-Line Supervisors Of Construction Trades And .Extraction Workers
6210 .CON-Boilermakers
6220 .CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing .Iron And Rebar Workers
6230 .CON-Carpenters
6240 .CON-Carpet, Floor, And Tile Installers And Finishers
6250 .CON-Cement Masons, Concrete Finishers, And Terrazzo Workers
6260 .CON-Construction Laborers
6305 .CON-Construction Equipment Operators
6330 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers
6355 .CON-Electricians
6360 .CON-Glaziers
6400 .CON-Insulation Workers
6410 .CON-Painters and Paperhangers
6441 .CON-Pipelayers
6442 .CON-Plumbers, Pipefitters, And Steamfitters
6460 .CON-Plasterers And Stucco Masons
6515 .CON-Roofers
6520 .CON-Sheet Metal Workers
6530 .CON-Structural Iron And Steel Workers
6540 .CON-Solar Photovoltaic Installers
6600 .CON-Helpers, Construction Trades
6660 .CON-Construction And Building Inspectors
6700 .CON-Elevator And Escalator Installers And Repairers
6710 .CON-Fence Erectors
6720 .CON-Hazardous Materials Removal Workers
6730 .CON-Highway Maintenance Workers
6740 .CON-Rail-Track Laying And Maintenance Equipment Operators
6765 .CON-Other Construction And Related Workers
6800 .EXT-Derrick, Rotary Drill, And Service Unit Operators, And
.Roustabouts, Oil, Gas, And Mining
6825 .EXT-Surface Mining Machine Operators And Earth Drillers
6835 .EXT-Explosives Workers, Ordnance Handling Experts, and
.Blasters
6850 .EXT-Underground Mining Machine Operators
6950 .EXT-Other Extraction Workers
7000 .RPR-First-Line Supervisors Of Mechanics, Installers, And
.Repairers
7010 .RPR-Computer, Automated Teller, And Office Machine
.Repairers
7020 .RPR-Radio And Telecommunications Equipment Installers And
.Repairers
7030 .RPR-Avionics Technicians
7040 .RPR-Electric Motor, Power Tool, And Related Repairers
7100 .RPR-Other Electrical And Electronic Equipment Mechanics,
.Installers, And Repairers
7120 .RPR-Audiovisual Equipment Installers And Repairers
7130 .RPR-Security And Fire Alarm Systems Installers
7140 .RPR-Aircraft Mechanics And Service Technicians
7150 .RPR-Automotive Body And Related Repairers
7160 .RPR-Automotive Glass Installers And Repairers
7200 .RPR-Automotive Service Technicians And Mechanics
7210 .RPR-Bus And Truck Mechanics And Diesel Engine Specialists
7220 .RPR-Heavy Vehicle And Mobile Equipment Service Technicians
.And Mechanics
7240 .RPR-Small Engine Mechanics
7260 .RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics,
.Installers, And Repairers
7300 .RPR-Control And Valve Installers And Repairers
7315 .RPR-Heating, Air Conditioning, And Refrigeration Mechanics
.And Installers
7320 .RPR-Home Appliance Repairers
7330 .RPR-Industrial And Refractory Machinery Mechanics
7340 .RPR-Maintenance And Repair Workers, General
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<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>
</tr>
<tr>
<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>
</tr>
<tr>
<td>8830</td>
<td>PRD-Photographic Process Workers And Processing Machine Operators</td>
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<tr>
<td>8850</td>
<td>PRD-Adhesive Bonding Machine Operators And Tenders</td>
</tr>
<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>
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<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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<tr>
<td>8950</td>
<td>PRD-Helpers--Production Workers</td>
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<tr>
<td>8990</td>
<td>PRD-Miscellaneous Production Workers, Including Equipment Operators And Tenders</td>
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<tr>
<td>9005</td>
<td>TRN-Supervisors Of Transportation And Material Moving Workers</td>
</tr>
<tr>
<td>9030</td>
<td>TRN-Aircraft Pilots And Flight Engineers</td>
</tr>
<tr>
<td>9040</td>
<td>TRN-Air Traffic Controllers And Airfield Operations Specialists</td>
</tr>
<tr>
<td>9050</td>
<td>TRN-Flight Attendants</td>
</tr>
<tr>
<td>9110</td>
<td>TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians</td>
</tr>
<tr>
<td>9121</td>
<td>TRN-Bus Drivers, School</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>9142</td>
<td>TRN-Taxi Drivers</td>
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<tr>
<td>9150</td>
<td>TRN-Motor Vehicle Operators, All Other</td>
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<tr>
<td>9210</td>
<td>TRN-Locomotive Engineers And Operators</td>
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<tr>
<td>9240</td>
<td>TRN-Railroad Conductors And Yardmasters</td>
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<tr>
<td>9265</td>
<td>TRN-Other Rail Transportation Workers</td>
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<tr>
<td>9300</td>
<td>TRN-Sailors And Marine Oilers, And Ship Engineers</td>
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<tr>
<td>9310</td>
<td>TRN-Ship And Boat Captains And Operators</td>
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<tr>
<td>9350</td>
<td>TRN-Parking Attendants</td>
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<tr>
<td>9365</td>
<td>TRN-Transportation Service Attendants</td>
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<tr>
<td>9410</td>
<td>TRN-Transportation Inspectors</td>
</tr>
<tr>
<td>9415</td>
<td>TRN-Passenger Attendants</td>
</tr>
<tr>
<td>9430</td>
<td>TRN-Other Transportation Workers</td>
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</tbody>
</table>
PAOC Character 1
Presence and age of own children
b .N/A (male/female under 16 years old/GQ)
1 .Females with own children under 6 years only
2 .Females with own children 6 to 17 years only
3 .Females with own children under 6 years and 6 to 17 years
4 .Females with no own children

PERNP Numeric 7
Total person's earnings (use ADJINC to adjust to constant dollars)
bbbbb .N/A (less than 16 years old)
0 .No earnings
-10000 .Loss of $10000 or more (Rounded and bottom-coded components)
-9999..-1 .Loss $1 to $9999 (Rounded components)
1..1999998 .$1 to $1999998 (Rounded and top-coded components)

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

POBP Character 3
Place of birth (Recode)
001 .Alabama/AL
002 .Alaska/AK
004 .Arizona/AZ
005 .Arkansas/AR
006 .California/CA
POVPIP Numeric 3
Income-to-poverty ratio recode
bbb .N/A
0..500 .Below 501 percent
501 .501 percent or more

POWPUMA Character 5
Place of work PUMA based on 2010 Census definition
<table>
<thead>
<tr>
<th>Character 3</th>
<th>Place of work - State or foreign country recode</th>
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<td>001</td>
<td>Alabama/AL</td>
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<td>002</td>
<td>Alaska/AK</td>
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<tr>
<td>004</td>
<td>Arizona/AZ</td>
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<td>005</td>
<td>Arkansas/AR</td>
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<tr>
<td>006</td>
<td>California/CA</td>
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<td>008</td>
<td>Colorado/CO</td>
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<td>009</td>
<td>Connecticut/CT</td>
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<td>010</td>
<td>Delaware/DE</td>
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<td>District of Columbia/DC</td>
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<td>Florida/FL</td>
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<td>Georgia/GA</td>
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<td>Hawaii/HI</td>
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<td>Mississippi/MS</td>
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<td>Missouri/MO</td>
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<td>030</td>
<td>Montana/MT</td>
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<td>Nebraska/NE</td>
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<td>Nevada/NV</td>
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<td>New Hampshire/NH</td>
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<td>North Carolina/NC</td>
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<td>Texas/TX</td>
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<td>049</td>
<td>Utah/UT</td>
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</tbody>
</table>
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 .Filipino alone
45 .Hmong alone
46 .Indonesian alone
47 .Japanese alone
48 .Korean alone
49 .Laotian alone
50 .Malaysian alone
51 .Mongolian alone
52 .Nepalese alone
53 .Pakistani alone
54 .Sri Lankan alone
55 .Thai alone
56 .Vietnamese alone
57 .Other Asian alone
58 .All combinations of Asian races only
59 .Native Hawaiian alone
60 .Samoa alone
61 .Tongan alone
62 .Guamanian or Chamorro alone
63 .Marshallese alone
65 .Fijian alone
66 .Other Native Hawaiian and Other Pacific Islander
67 .Some Other Race alone
68 .Two or More Races

RAC3P  Character  3
Recoded detailed race code
001 .White alone
002 .Black or African American alone
003 .American Indian and Alaska Native alone
004 .Asian Indian alone
005 .Chinese alone
006 .Filipino alone
007 .Japanese alone
008 .Korean alone
009 .Vietnamese alone
010 .Other Asian alone
011 .Native Hawaiian alone
012 .Guamanian or Chamorro alone
013 .Samoan alone
014 .Other Pacific Islander alone
015 .Some Other Race alone
016 .White; Black or African American
017 .White; American Indian and Alaska Native
018 .White; Asian Indian
019 .White; Chinese
020 .White; Filipino
021 .White; Japanese
022 .White; Korean
023 .White; Vietnamese
024 .White; Other Asian
025 .White; Native Hawaiian
026 .White; Guamanian or Chamorro
027 .White; Samoan
028 .White; Other Pacific Islander
029 .White; Some Other Race
030 .Black or African American; American Indian and Alaska Native
031 .Black or African American; Asian Indian
032 .Black or African American; Chinese
033 .Black or African American; Filipino
034 .Black or African American; Japanese
035 .Black or African American; Korean
036 .Black or African American; Other Asian
037 .Black or African American; Other Pacific Islander
038 .Black or African American; Some Other Race
039 .American Indian and Alaska Native; Asian Indian
040 .American Indian and Alaska Native; Filipino
041 .American Indian and Alaska Native; Some Other Race
042 .Asian Indian; Other Asian
043 .Asian Indian; Some Other Race
044 .Chinese; Filipino
045 .Chinese; Japanese
046 .Chinese; Korean
047 .Chinese; Vietnamese
048 .Chinese; Other Asian
049 .Chinese; Native Hawaiian
050 .Filipino; Japanese
051. Filipino; Native Hawaiian
052. Filipino; Other Pacific Islander
053. Filipino; Some Other Race
054. Japanese; Korean
055. Japanese; Native Hawaiian
056. Vietnamese; Other Asian
057. Other Asian; Other Pacific Islander
058. Other Asian; Some Other Race
059. Other Pacific Islander; Some Other Race
060. White; Black or African American; American Indian and Alaska Native
061. White; Black or African American; Filipino
062. White; Black or African American; Some Other Race
063. White; American Indian and Alaska Native; Filipino
064. White; American Indian and Alaska Native; Some Other Race
065. White; Chinese; Filipino
066. White; Chinese; Japanese
067. White; Chinese; Native Hawaiian
068. White; Filipino; Native Hawaiian
069. White; Japanese; Native Hawaiian
070. White; Other Asian; Some Other Race
071. Chinese; Filipino; Native Hawaiian
072. White; Chinese; Filipino; Native Hawaiian
073. White; Chinese; Japanese; Native Hawaiian
074. Black or African American; Asian groups
075. Black or African American; Native Hawaiian and Other Pacific Islander groups
076. Asian Indian; Asian groups
077. Filipino; Asian groups
078. White; Black or African American; Asian groups
079. White; American Indian and Alaska Native; Asian groups
080. White; Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
081. White; Black or African American; American Indian and Alaska Native; Asian groups
082. White; Black or African American; 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
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)  
 0 .No  
 1 .Yes

**SCIENGP**  
**Character 1**  
Field of Degree Science and Engineering Flag – NSF Definition  
 b .N/A (less than 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 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 one-parent subfamily  
 4 .Child in a married-couple subfamily  
 5 .Child in a mother-child subfamily  
 6 .Child in a father-child subfamily
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<td>Character 6</td>
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<tr>
<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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<tr>
<td>112022</td>
<td>MGR-Sales Managers</td>
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<tr>
<td>112030</td>
<td>MGR-Public Relations And Fundraising Managers</td>
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<tr>
<td>113012</td>
<td>MGR-Administrative Services Managers</td>
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<tr>
<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>
<td>MGR-Financial Managers</td>
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<tr>
<td>113111</td>
<td>MGR-Compensation And Benefits Managers</td>
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<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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<tr>
<td>119021</td>
<td>MGR-Construction Managers</td>
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<td>119030</td>
<td>MGR-Education And Childcare Administrators</td>
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<td>119041</td>
<td>MGR-Architectural And Engineering Managers</td>
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<td>119051</td>
<td>MGR-Food Service Managers</td>
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<td>119070</td>
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<td>MGR-Lodging Managers</td>
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<td>119121</td>
<td>MGR-Natural Sciences Managers</td>
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<td>119141</td>
<td>MGR-Property, Real Estate, And Community Association Managers</td>
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<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>131021</td>
<td>BUS-Buyers And Purchasing Agents, Farm Products</td>
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<td>131022</td>
<td>BUS-Wholesale And Retail Buyers, Except Farm Products</td>
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<td>131023</td>
<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-Compliance Officers</td>
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<td>BUS-Human Resources Workers</td>
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<td>131081</td>
<td>BUS-Logisticians</td>
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<td>BUS-Project Management Specialists</td>
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<td>BUS-Management Analysts</td>
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<td>BUS-Meeting, Convention, And Event Planners</td>
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<td>BUS-Fundraisers</td>
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<td>BUS-Training And Development Specialists</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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<tr>
<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>FIN-Budget Analysts</td>
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<td>132041</td>
<td>FIN-Credit Analysts</td>
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<td>132051</td>
<td>FIN-Financial And Investment Analysts</td>
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<td>132052</td>
<td>FIN-Personal Financial Advisors</td>
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<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>132082</td>
<td>FIN-Tax Preparers</td>
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<td>FIN-Other Financial Specialists</td>
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<td>151221</td>
<td>CMM-Computer And Information Research Scientists</td>
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<tr>
<td>151211</td>
<td>CMM-Computer Systems Analysts</td>
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<td>151212</td>
<td>CMM-Information Security Analysts</td>
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<tr>
<td>151251</td>
<td>CMM-Computer Programmers</td>
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<td>151252</td>
<td>CMM-Software Developers</td>
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<td>CMM-Software Quality Assurance Analysts And Testers</td>
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<td>CMM-Web Developers</td>
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<td>CMM-Web And Digital Interface Designers</td>
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<td>CMM-Computer Support Specialists</td>
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<td>CMM-Database Administrators And Architects</td>
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<td>CMM-Network And Computer Systems Administrators</td>
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<td>CMM-Computer Network Architects</td>
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<td>CMM-Computer Occupations, All Other</td>
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<td>CMM-Actuaries</td>
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<td>152031</td>
<td>CMM-Operations Research Analysts</td>
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<td>1520XX</td>
<td>CMM-Other Mathematical Science Occupations</td>
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<td>171011</td>
<td>ENG-Architects, Except Landscape And Naval</td>
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<td>171012</td>
<td>ENG-Landscape Architects</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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<tr>
<td>1720XX</td>
<td>ENG-Biomedical And Agricultural Engineers</td>
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<td>ENG-Chemical Engineers</td>
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<tr>
<td>172051</td>
<td>ENG-Civil Engineers</td>
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<td>172061</td>
<td>ENG-Computer Hardware Engineers</td>
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<td>172070</td>
<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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<tr>
<td>172121</td>
<td>ENG-Marine Engineers And Naval Architects</td>
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<tr>
<td>172131</td>
<td>ENG-Materials Engineers</td>
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<td>172141</td>
<td>ENG-Mechanical Engineers</td>
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<tr>
<td>1721XX</td>
<td>ENG-Petroleum, Mining And Geological Engineers, Including Mining Safety Engineers</td>
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<td>ENG-Other Engineers</td>
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<td>173011</td>
<td>ENG-Architectural And Civil Drafters</td>
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<td>17301X</td>
<td>ENG-Other Drafters</td>
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<td>173023</td>
<td>ENG-Electrical and Electronic Engineering Technologists And Technicians</td>
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<td>17302X</td>
<td>ENG-Other Engineering Technologists And Technicians, Except Drafters</td>
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<td>ENG-Surveying And Mapping Technicians</td>
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<td>191010</td>
<td>SCI-Agricultural And Food Scientists</td>
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<td>SCI-Biological Scientists</td>
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<td>191030</td>
<td>SCI-Conservation Scientists And Foresters</td>
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<td>1910XX</td>
<td>SCI-Other Life Scientists</td>
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<td>192010</td>
<td>SCI-Astronomers And Physicists</td>
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<tr>
<td>192021</td>
<td>SCI-Atmospheric And Space Scientists</td>
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<tr>
<td>192030</td>
<td>SCI-Chemists And Materials Scientists</td>
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192041 .SCI-Environmental Scientists And Specialists, Including .Health
19204X .SCI-Geoscientists And Hydrologists, Except Geographers
192099 .SCI-Physical Scientists, All Other
193011 .SCI-Economists
193033 .SCI-Clinical And Counseling Psychologists
193034 .SCI-School Psychologists
19303X .SCI-Other Psychologists
193051 .SCI-Urban And Regional Planners
1930XX .SCI-Other Social Scientists
194010 .SCI-Agricultural And Food Science Technicians
194021 .SCI-Biological Technicians
194031 .SCI-Chemical Technicians
1940XX .SCI-Environmental Science And Geoscience Technicians, And .Nuclear Technicians
1940YY .SCI-Other Life, Physical, And Social Science Technicians
195010 .SCI-Occupational Health And Safety Specialists And .Technicians
211011 .CMS-Substance Abuse And Behavioral Disorder Counselors
211012 .CMS-Educational, Guidance, And Career Counselors And .Advisors
211013 .CMS-Marriage And Family Therapists
211014 .CMS-Mental Health Counselors
211015 .CMS-Rehabilitation Counselors
211019 .CMS-Counselors, All Other
211021 .CMS-Child, Family, And School Social Workers
211022 .CMS-Healthcare Social Workers
211023 .CMS-Mental Health And Substance Abuse Social Workers
211029 .CMS-Social Workers, All Other
211092 .CMS-Probation Officers And Correctional Treatment .Specialists
211093 .CMS-Social And Human Service Assistants
21109X .CMS-Other Community And Social Service Specialists
212011 .CMS-Clergy
212021 .CMS-Directors, Religious Activities And Education
212099 .CMS-Religious Workers, All Other
2310XX .LGL-Lawyers, And Judges, Magistrates, And Other Judicial .Workers
231012 .LGL-Judicial Law Clerks
232011 .LGL-Paralegals And Legal Assistants
232093 .LGL-Title Examiners, Abstractors, And Searchers
232099 .LGL-Legal Support Workers, All Other
251000 .EDU-Postsecondary Teachers
252010 .EDU-Preschool And Kindergarten Teachers
252020 .EDU-Elementary And Middle School Teachers
252030 .EDU-Secondary School Teachers
252050 .EDU-Special Education Teachers
253041 .EDU-Tutors
2530XX .EDU-Other Teachers And Instructors
254010 .EDU-Archivists, Curators, And Museum Technicians
254022 .EDU-Librarians And Media Collections Specialists
254031 .EDU-Library Technicians
259040 .EDU-Teaching Assistants
2590XX .EDU-Other Educational Instruction And Library Workers
271010 .ENT-Artists And Related Workers
271021 .ENT-Commercial And Industrial Designers
271022 .ENT-Fashion Designers
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<td>271023</td>
<td>.ENT-Floral Designers</td>
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<td>.ENT-Graphic Designers</td>
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<td>.ENT-Interior Designers</td>
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<td>271026</td>
<td>.ENT-Merchandise Display And Windows Trimmers</td>
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<td>.ENT-Other Designers</td>
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<td>272011</td>
<td>.ENT-Actors</td>
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<td>272012</td>
<td>.ENT-Producers And Directors</td>
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<td>.ENT-Athletes And Sports Competitors</td>
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<td>.ENT-Coaches And Scouts</td>
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<td>272023</td>
<td>.ENT-Umpires, Referees, And Other Sports Officials</td>
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<td>.ENT-Dancers And Choreographers</td>
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<td>.ENT-Music Directors And Composers</td>
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<td>.ENT-Musicians And Singers</td>
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<td>272091</td>
<td>.ENT-Disc Jockeys, Except Radio</td>
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<td>.ENT-Entertainers And Performers, Sports And Related Workers, All Other</td>
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<td>273011</td>
<td>.ENT-Broadcast Announcers And Radio Disc Jockeys</td>
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<td>.ENT-News Analysts, Reporters, And Journalists</td>
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<td>.ENT-Public Relations Specialists</td>
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<td>.ENT-Writers And Authors</td>
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<td>.ENT-Television, Video, And Film Camera Operators And Editors</td>
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<td>291011</td>
<td>.MED-Chiropractors</td>
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<td>.MED-Dietitians And Nutritionists</td>
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<td>.MED-Healthcare Diagnosing Or Treating Practitioners, All Other</td>
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<td>.MED-Cardiovascular Technologists And Technicians</td>
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<td>292032</td>
<td>.MED-Diagnostic Medical Sonographers</td>
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292034 .MED-Radiologic Technologists And Technicians
292035 .MED-Magnetic Resonance Imaging Technologists
29203X .MED-Nuclear Medicine Technologists And Medical Dosimetrists
292042 .MED-Emergency Medical Technicians
292043 .MED-Paramedics
292052 .MED-Pharmacy Technicians
292053 .MED-Psychiatric Technicians
292055 .MED-Surgical Technologists
292056 .MED-Veterinary Technologists And Technicians
29205X .MED-Dietetic Technicians And Ophthalmic Medical Technicians
292061 .MED-Licensed Practical And Licensed Vocational Nurses
292072 .MED-Medical Records Specialists
292081 .MED-Opticians, Dispensing
292090 .MED-Miscellaneous Health Technologists And Technicians
299000 .MED-Other Healthcare Practitioners And Technical Occupations
311121 .HLS-Home Health Aides
311122 .HLS-Personal Care Aides
311131 .HLS-Nursing Assistants
31113X .HLS-Orderlies And Psychiatric Aides
312010 .HLS-Occupational Therapy Assistants And Aides
312020 .HLS-Physical Therapist Assistants And Aides
319011 .HLS-Massage Therapists
319091 .HLS-Dental Assistants
319092 .HLS-Medical Assistants
319094 .HLS-Medical Transcriptionists
319095 .HLS-Pharmacy Aides
319096 .HLS-Veterinary Assistants And Laboratory Animal Caretakers
319097 .HLS-Phlebotomists
31909X .HLS-Other Healthcare Support Workers
331011 .PRT-First-Line Supervisors Of Correctional Officers
331012 .PRT-First-Line Supervisors Of Police And Detectives
331021 .PRT-First-Line Supervisors Of Firefighting And Prevention Workers
331090 .PRT-Miscellaneous First-Line Supervisors, Protective Service Workers
332011 .PRT-Firefighters
332020 .PRT-Fire Inspectors
333011 .PRT-Bailiffs
333012 .PRT-Correctional Officers And Jailers
333021 .PRT-Detectives And Criminal Investigators
3330XX .PRT-Fish And Game Wardens And Parking Enforcement Officers
333050 .PRT-Police Officers
333091 .PRT-Animal Control Workers
333021 .PRT-Private Detectives And Investigators
333030 .PRT-Security Guards And Gambling Surveillance Officers
333091 .PRT-Crossing Guards And Flaggers
333093 .PRT-Transportation Security Screeners
333094 .PRT-School Bus Monitors
33309X .PRT-Other Protective Service Workers
351011 .EAT-Chefs And Head Cooks
351012 .EAT-First-Line Supervisors Of Food Preparation And Serving Workers
352010 .EAT-Cooks
352021 .EAT-Food Preparation Workers
353011 .EAT-Bartenders
353023 .EAT-Fast Food And Counter Workers
353031 .EAT-Waiters And Waitresses
353041 .EAT-Food Servers, Nonrestaurant
359011 .EAT-Dining Room And Cafeteria Attendants And Bartender .Helpers
359021 .EAT-Dishwashers
359031 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee .Shop
359099 .EAT-Food Preparation And Serving Related Workers, All .Other
371011 .CLN-First-Line Supervisors Of Housekeeping And Janitorial .Workers
371012 .CLN-First-Line Supervisors Of Landscaping, Lawn Service, .And Groundskeeping Workers
37201X .CLN-Janitors And Building Cleaners
372012 .CLN-Maids And Housekeeping Cleaners
372021 .CLN-Pest Control Workers
373011 .CLN-Landscaping And Groundskeeping Workers
373013 .CLN-Tree Trimmers And Pruners
37301X .CLN-Other Grounds Maintenance Workers
391000 .PRS-Supervisors Of Personal Care And Service Workers
392011 .PRS-Animal Trainers
392021 .PRS-Animal Caretakers
393010 .PRS-Gambling Services Workers
393031 .PRS-Ushers, Lobby Attendants, And Ticket Takers
3930XX .PRS-Other Entertainment Attendants And Related Workers
394031 .PRS-Morticians, Undertakers, And Funeral Arrangers
3940XX .PRS-Embalmers, Crematory Operators And Funeral Attendants
395011 .PRS-Barbers
395012 .PRS-Hairdressers, Hairstylists, And Cosmetologists
395092 .PRS-Manicurists and Pedicurists
395094 .PRS-Skincare Specialists
39509X .PRS-Other Personal Appearance Workers
396010 .PRS-Baggage Porters, Bellhops, And Concierges
397010 .PRS-Tour And Travel Guides
399011 .PRS-Childcare Workers
399031 .PRS-Exercise Trainers And Group Fitness Instructors
399032 .PRS-Recreation Workers
399041 .PRS-Residential Advisors
399099 .PRS-Personal Care And Service Workers, All Other
411011 .SAL-First-Line Supervisors Of Retail Sales Workers
411012 .SAL-First-Line Supervisors Of Non-Retail Sales Workers
412010 .SAL-Cashiers
412021 .SAL-Counter And Rental Clerks
412022 .SAL-Parts Salespersons
412031 .SAL-Retail Salespersons
413011 .SAL-Advertising Sales Agents
413021 .SAL-Insurance Sales Agents
413031 .SAL-Securities, Commodities, And Financial Services Sales .Agents
413041 .SAL-Travel Agents
413091 .SAL-Sales Representatives Of Services, Except .Advertising, Insurance, Financial Services, And Travel
414010 .SAL-Sales Representatives, Wholesale And Manufacturing
<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
</tr>
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<tbody>
<tr>
<td>419010</td>
<td>.SAL-Models, Demonstrators, And Product Promoters</td>
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<tr>
<td>419020</td>
<td>.SAL-Real Estate Brokers And Sales Agents</td>
</tr>
<tr>
<td>419031</td>
<td>.SAL-Sales Engineers</td>
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<tr>
<td>419041</td>
<td>.SAL-Telemarketers</td>
</tr>
<tr>
<td>419091</td>
<td>.SAL-Door-To-Door Sales Workers, News And Street Vendors, Related Workers</td>
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<tr>
<td>419099</td>
<td>.SAL-Sales And Related Workers, All Other</td>
</tr>
<tr>
<td>431011</td>
<td>.OFF-First-Line Supervisors Of Office And Administrative Support Workers</td>
</tr>
<tr>
<td>432011</td>
<td>.OFF-Switchboard Operators, Including Answering Service</td>
</tr>
<tr>
<td>432021</td>
<td>.OFF-Telephone Operators</td>
</tr>
<tr>
<td>432099</td>
<td>.OFF-Communications Equipment Operators, All Other</td>
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<tr>
<td>433011</td>
<td>.OFF-Bill And Account Collectors</td>
</tr>
<tr>
<td>433021</td>
<td>.OFF-Billing And Posting Clerks</td>
</tr>
<tr>
<td>433031</td>
<td>.OFF-Bookkeeping, Accounting, And Auditing Clerks</td>
</tr>
<tr>
<td>433051</td>
<td>.OFF-Payroll And Timekeeping Clerks</td>
</tr>
<tr>
<td>433061</td>
<td>.OFF-Procurement Clerks</td>
</tr>
<tr>
<td>433071</td>
<td>.OFF-Tellers</td>
</tr>
<tr>
<td>4330XX</td>
<td>.OFF-Other Financial Clerks</td>
</tr>
<tr>
<td>434031</td>
<td>.OFF-Court, Municipal, And License Clerks</td>
</tr>
<tr>
<td>434041</td>
<td>.OFF-Credit Authorizers, Checkers, And Clerks</td>
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<tr>
<td>434051</td>
<td>.OFF-Customer Service Representatives</td>
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<tr>
<td>434061</td>
<td>.OFF-Eligibility Interviewers, Government Programs</td>
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<tr>
<td>434071</td>
<td>.OFF-File Clerks</td>
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<tr>
<td>434081</td>
<td>.OFF-Hotel, Motel, And Resort Desk Clerks</td>
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<tr>
<td>434111</td>
<td>.OFF-Interviewers, Except Eligibility And Loan</td>
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<tr>
<td>434121</td>
<td>.OFF-Library Assistants, Clerical</td>
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<tr>
<td>434131</td>
<td>.OFF-Loan Interviewers And Clerks</td>
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<tr>
<td>434141</td>
<td>.OFF-New Accounts Clerks</td>
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<tr>
<td>434XXX</td>
<td>.OFF-Other Information And Records Clerks</td>
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<tr>
<td>435011</td>
<td>.OFF-Cargo And Freight Agents</td>
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<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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<td>435051</td>
<td>.OFF-Postal Service Clerks</td>
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<tr>
<td>435052</td>
<td>.OFF-Postal Service Mail Carriers</td>
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<td>435053</td>
<td>.OFF-Postal Service Mail Sorters, Processors, And 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>
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<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 Assistants</td>
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<tr>
<td>436012</td>
<td>.OFF-Legal Secretaries And Administrative Assistants</td>
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<tr>
<td>436013</td>
<td>.OFF-Medical Secretaries And Administrative Assistants</td>
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<tr>
<td>436014</td>
<td>.OFF-Secretaries And Administrative Assistants, Except Legal, Medical, And Executive</td>
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<td>439021</td>
<td>.OFF-Data Entry Keyers</td>
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<tr>
<td>439022</td>
<td>.OFF-Word Processors And Typists</td>
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<td>439041</td>
<td>OFF-Insurance Claims And Policy Processing Clerks</td>
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<td>439051</td>
<td>OFF-Mail Clerks And Mail Machine Operators, Except Postal</td>
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<td>Service</td>
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<td>439061</td>
<td>OFF-Office Clerks, General</td>
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<tr>
<td>439071</td>
<td>OFF-Office Machine Operators, Except Computer</td>
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<tr>
<td>439081</td>
<td>OFF-Proofreaders And Copy Markers</td>
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<tr>
<td>439111</td>
<td>OFF-Statistical Assistants</td>
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<td>439XXX</td>
<td>OFF-Other Office And Administrative Support Workers</td>
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<tr>
<td>451011</td>
<td>FFF-First-Line Supervisors Of Farming, Fishing, And</td>
</tr>
<tr>
<td></td>
<td>Forestry Workers</td>
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<tr>
<td>452011</td>
<td>FFF-Agricultural Inspectors</td>
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<tr>
<td>452041</td>
<td>FFF-Graders And Sorters, Agricultural Products</td>
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<tr>
<td>4520XX</td>
<td>FFF-Other Agricultural Workers</td>
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<tr>
<td>453031</td>
<td>FFF-Fishing And Hunting Workers</td>
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<tr>
<td>454011</td>
<td>FFF-Forest And Conservation Workers</td>
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<td>454020</td>
<td>FFF-Logging Workers</td>
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<tr>
<td>471011</td>
<td>CON-First-Line Supervisors Of Construction Trades And</td>
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<td>Extraction Workers</td>
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<tr>
<td>472011</td>
<td>CON-Boilermakers</td>
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<tr>
<td>472031</td>
<td>CON-Carpenters</td>
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<tr>
<td>472040</td>
<td>CON-Carpet, Floor, And Tile Installers And Finishers</td>
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<tr>
<td>472050</td>
<td>CON-Cement Masons, Concrete Finishers, And Terrazzo</td>
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<tr>
<td></td>
<td>Workers</td>
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<tr>
<td>472061</td>
<td>CON-Construction Laborers</td>
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<td>472070</td>
<td>CON-Construction Equipment Operators</td>
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<td>472080</td>
<td>CON-Drywall Installers, Ceiling Tile Installers, And</td>
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<td>Tapers</td>
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<td>472111</td>
<td>CON-Electricians</td>
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<td>472121</td>
<td>CON-Glaziers</td>
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<tr>
<td>472130</td>
<td>CON-Insulation Workers</td>
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<tr>
<td>472140</td>
<td>CON-Painters And Paperhangers</td>
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<td>472151</td>
<td>CON-Pipelayers</td>
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<tr>
<td>472152</td>
<td>CON-Plumbers, Pipefitters, And Steamfitters</td>
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<td>472161</td>
<td>CON-Plasterers And Stucco Masons</td>
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<td>472181</td>
<td>CON-Roofer</td>
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<tr>
<td>472211</td>
<td>CON-Sheet Metal Workers</td>
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<td>472221</td>
<td>CON-Structural Iron And Steel Workers</td>
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<td>472231</td>
<td>CON-Solar Photovoltaic Installers</td>
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<td>472XXX</td>
<td>CON-Brickmasons, Blockmasons, Stonemasons, And</td>
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<td>Reinforcing Iron And Rebar Workers</td>
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<tr>
<td>473010</td>
<td>CON-Helpers, Construction Trades</td>
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<td>474011</td>
<td>CON-Construction And Building Inspectors</td>
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<td>474021</td>
<td>CON-Elevator And Escalator Installers And Repairers</td>
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<td>474031</td>
<td>CON-Fence Erectors</td>
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<tr>
<td>474041</td>
<td>CON-Hazardous Materials Removal Workers</td>
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<td>CON-Highway Maintenance Workers</td>
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<td>474061</td>
<td>CON-Rail-Track Laying And Maintenance Equipment Operators</td>
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<tr>
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<td>CON-Other Construction And Related Workers</td>
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<tr>
<td>475011</td>
<td>EXT-Derrick, Rotary Drill, And Service Unit Operators,</td>
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<td>And Roustabouts, Oil, Gas, And Mining</td>
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<tr>
<td>475020</td>
<td>EXT-Surface Mining Machine Operators And Earth Drillers</td>
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<tr>
<td>475032</td>
<td>EXT-Explosives Workers, Ordnance Handling Experts, And</td>
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<td>Blasters</td>
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<td>475040</td>
<td>EXT-Underground Mining Machine Operators</td>
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<td>EXT-Other Extraction Workers</td>
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<td>491011</td>
<td>RPR-First-Line Supervisors Of Mechanics, Installers, And</td>
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<td>Repairers</td>
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<td>Code</td>
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<tr>
<td>492011</td>
<td>Computer, Automated Teller, And Office Machine Repairers</td>
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<td>492020</td>
<td>Radio And Telecommunications Equipment Installers And Repairers</td>
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<tr>
<td>492091</td>
<td>Avionics Technicians</td>
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<td>492092</td>
<td>Electric Motor, Power Tool, And Related Repairers</td>
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<tr>
<td>49209X</td>
<td>Other Electrical And Electronic Equipment Mechanics, Installers, And Repairers</td>
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<td>492097</td>
<td>Audiovisual Equipment Installers And Repairers</td>
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<td>492098</td>
<td>Security And Fire Alarm Systems Installers</td>
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<td>493011</td>
<td>Aircraft Mechanics And Service Technicians</td>
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<tr>
<td>493021</td>
<td>Automotive Body And Related Repairers</td>
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<tr>
<td>493022</td>
<td>Automotive Glass Installers And Repairers</td>
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<td>493023</td>
<td>Automotive Service Technicians And Mechanics</td>
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<td>493031</td>
<td>Bus And Truck Mechanics And Diesel Engine Specialists</td>
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<tr>
<td>493040</td>
<td>Heavy Vehicle And Mobile Equipment Service Mechanics And Repairers</td>
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<tr>
<td>493050</td>
<td>Small Engine Mechanics</td>
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<tr>
<td>493090</td>
<td>Miscellaneous Vehicle And Mobile Equipment Mechanics, Installers, And Repairers</td>
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<td>499010</td>
<td>Control And Valve Installers And Repairers</td>
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<tr>
<td>499021</td>
<td>Heating, Air Conditioning, And Refrigeration</td>
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<td>499031</td>
<td>Home Appliance Repairers</td>
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<tr>
<td>49904X</td>
<td>Industrial And Refractory Machinery Mechanics</td>
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<td>Maintenance Workers, Machinery</td>
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<td>Millwrights</td>
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<td>Electrical Power-Line Installers And Repairers</td>
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<td>Telecommunications Line Installers And Repairers</td>
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<td>499060</td>
<td>Precision Instrument And Equipment Repairers</td>
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<td>Maintenance And Repair Workers, General</td>
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<tr>
<td>499091</td>
<td>Coin, Vending, And Amusement Machine Servicers And Repairers</td>
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<td>Locksmiths And Safe Repairers</td>
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<td>Riggers</td>
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<td>499098</td>
<td>Helpers--Installation, Maintenance, And Repair Workers</td>
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<td>Other Installation, Maintenance, And Repair Workers</td>
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<td>511011</td>
<td>First-Line Supervisors Of Production And Operating Workers</td>
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<td>512020</td>
<td>Electrical, Electronics, And Electromechanical Assemblers</td>
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<td>Engine And Other Machine Assemblers</td>
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<td>Structural Metal Fabricators And Fitters</td>
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<td>5120XX</td>
<td>Other Assemblers and Fabricators</td>
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<td>513011</td>
<td>Bakers</td>
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<td>513020</td>
<td>Butchers And Other Meat, Poultry, And Fish Processing Workers</td>
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<tr>
<td>513091</td>
<td>Food And Tobacco Roasting, Baking, And Drying Machine Operators And Tenders</td>
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<td>513092</td>
<td>Food Batchmakers</td>
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<td>513093</td>
<td>Food Cooking Machine Operators And Tenders</td>
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<td>513099</td>
<td>Food Processing Workers, All Other</td>
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<tr>
<td>519160</td>
<td>Computer Numerically Controlled Tool Operators And Programmers</td>
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<tr>
<td>514020</td>
<td>Forming Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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519196 .PRD-Paper Goods Machine Setters, Operators, And Tenders
519197 .PRD-Tire Builders
519198 .PRD-Helpers--Production Workers
5191XX .PRD-Miscellaneous Production Workers, Including Equipment Operators and Tenders
531000 .TRN-Supervisors Of Transportation And Material Moving Workers
532010 .TRN-Aircraft Pilots And Flight Engineers
532020 .TRN-Air Traffic Controllers And Airfield Operations Specialists
532031 .TRN-Flight Attendants
533011 .TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians
533051 .TRN-Bus Drivers, School
533052 .TRN-Bus Drivers, Transit And Intercity
533030 .TRN-Driver/Sales Workers And Truck Drivers
533053 .TRN-Shuttle Drivers and Chauffeurs
533054 .TRN-Taxi Drivers
533099 .TRN-Motor Vehicle Operators, All Other
534010 .TRN-Locomotive Engineers And Operators
534031 .TRN-Railroad Conductors And Yardmasters
5340XX .TRN-Other Rail Transportation Workers
5350XX .TRN-Sailors And Marine Oilers, And Ship Engineers
535020 .TRN-Ship And Boat Captains And Operators
536021 .TRN-Parking Attendants
536030 .TRN-Transportation Service Attendants
536051 .TRN-Transportation Inspectors
536061 .TRN-Passenger Attendants
5360XX .TRN-Other Transportation Workers
537021 .TRN-Crane And Tower Operators
5370XX .TRN-Conveyor, Dredge, And Hoist And Winch Operators
537051 .TRN-Industrial Truck And Tractor Operators
537061 .TRN-Cleaners Of Vehicles And Equipment
537062 .TRN-Laborers And Freight, Stock, And Material Movers, Hand
537063 .TRN-Machine Feeders And Offbearers
537064 .TRN-Packers And Packagers, Hand
537065 .TRN-Stockers And Order Fillers
537070 .TRN-Pumping Station Operators
537081 .TRN-Refuse And Recyclable Material Collectors
5371XX .TRN-Other Material Moving Workers
551010 .MIL-Military Officer Special And Tactical Operations Leaders
552010 .MIL-First-Line Enlisted Military Supervisors
553010 .MIL-Military Enlisted Tactical Operations And Air/Weapons Specialists And Crew Members
559830 .MIL-Military, Rank Not Specified
999920 .Unemployed, With No Work Experience In The Last 5 Years Or Earlier Or Never Worked

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

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

PERSON RECORD-ALLOCATION FLAGS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FHIMRKSP  Character  1
  Subsidized Marketplace Coverage 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 (enrolled for 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
FJWTRNSP  Character  1
Means of transportation to work allocation flag
0 .No
1 .Yes

FLANP  Character  1
Language 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
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FRELSHIP  
Character  1
Relationship allocation flag
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FRETP  
Character  1
Retirement income allocation flag
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FSCHGP  
Character  1
Grade attending allocation flag
  0 .No
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FSCHLP  
Character  1
Highest education allocation flag
  0 .No
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FSCHP  
Character  1
School enrollment allocation flag
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FSEMP  
Character  1
Self-employment income allocation flag
  0 .No
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FSEXLP  
Character  1
Sex allocation flag
  0 .No
  1 .Yes

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

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

FWAGP  
Character  1
Wages and salary income allocation flag
  0 .No
  1 .Yes
FWKHP  Character 1
Usual hours worked per week past 12 months allocation flag
0 .No
1 .Yes

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

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

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

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

**PERSON RECORD-REPLICATE WEIGHTS**

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Person's Weight replicate 8
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PWGTP9   Numeric   5
Person's Weight replicate 9
-9999..9999  .Integer weight of person

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

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

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

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

PWGTP14  Numeric   5
Person's Weight replicate 14
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PWGTP15  Numeric   5
Person's Weight replicate 15
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PWGTP16  Numeric   5
Person's Weight replicate 16
-9999..9999  .Integer weight of person

PWGTP17  Numeric   5
Person's Weight replicate 17
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PWGTP18  Numeric   5
Person's Weight replicate 18
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PWGTP19  Numeric   5
Person's Weight replicate 19
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PWGTP20  Numeric   5
Person's Weight replicate 20
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PWGTP21  Numeric   5
Person's Weight replicate 21
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PWGTP22  Numeric  5
Person's Weight replicate 22
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PWGTP23  Numeric  5
Person's Weight replicate 23
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PWGTP24  Numeric  5
Person's Weight replicate 24
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PWGTP25  Numeric  5
Person's Weight replicate 25
-9999..9999 .Integer weight of person

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

PWGTP27  Numeric  5
Person's Weight replicate 27
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PWGTP28  Numeric  5
Person's Weight replicate 28
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PWGTP29  Numeric  5
Person's Weight replicate 29
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PWGTP30  Numeric  5
Person's Weight replicate 30
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PWGTP31  Numeric  5
Person's Weight replicate 31
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PWGTP32  Numeric  5
Person's Weight replicate 32
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PWGTP33  Numeric  5
Person's Weight replicate 33
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Person's Weight replicate 34
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Person's Weight replicate 51  
-9999..9999 .Integer weight of person

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

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

PWGTP54  Numeric  5  
Person's Weight replicate 54  
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PWGTP55  Numeric  5  
Person's Weight replicate 55  
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PWGTP56  Numeric  5  
Person's Weight replicate 56  
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PWGTP57  Numeric  5  
Person's Weight replicate 57  
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PWGTP58  Numeric  5  
Person's Weight replicate 58  
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PWGTP59  Numeric  5  
Person's Weight replicate 59  
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PWGTP60  Numeric  5  
Person's Weight replicate 60  
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PWGTP61  Numeric  5  
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PWGTP62  Numeric  5  
Person's Weight replicate 62  
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Person's Weight replicate 63  
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Person's Weight replicate 64
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PWGTP65 Numeric 5
Person's Weight replicate 65
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PWGTP66 Numeric 5
Person's Weight replicate 66
-9999..9999 .Integer weight of person

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

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

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

PWGTP70 Numeric 5
Person's Weight replicate 70
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PWGTP71 Numeric 5
Person's Weight replicate 71
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Person's Weight replicate 72
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Person's Weight replicate 73
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PWGTP74 Numeric 5
Person's Weight replicate 74
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PWGTP75 Numeric 5
Person's Weight replicate 75
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PWGTP76 Numeric 5
Person's Weight replicate 76
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PWGTP77 Numeric 5
Person's Weight replicate 77
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Person's Weight replicate 78
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Person's Weight replicate 79
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