HOUSING RECORD

HOUSING RECORD-BASIC VARIABLES

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

SERIALNO  Character  13
Housing unit/GQ person serial number
2019GQ0000001..2019GQ9999999 .GQ Unique identifier
2019HU0000001..2019HU9999999 .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)

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

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

ST  Character  2
State Code based on 2010 Census definitions
01 .Alabama/AL
02 .Alaska/AK
04 .Arizona/AZ
05 .Arkansas/AR
06 .California/CA
08 .Colorado/CO
09 .Connecticut/CT
Adjustment factor for housing dollar amounts (6 implied decimal places)
1000000 .2019 factor (1.000000)

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

Housing Unit Weight
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

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)
<table>
<thead>
<tr>
<th>Character</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BLD</strong></td>
<td><strong>Character 2</strong></td>
</tr>
<tr>
<td></td>
<td>Units in structure</td>
</tr>
<tr>
<td>bb</td>
<td>N/A (GQ)</td>
</tr>
<tr>
<td>01</td>
<td>Mobile home or trailer</td>
</tr>
<tr>
<td>02</td>
<td>One-family house detached</td>
</tr>
<tr>
<td>03</td>
<td>One-family house attached</td>
</tr>
<tr>
<td>04</td>
<td>2 Apartments</td>
</tr>
<tr>
<td>05</td>
<td>3-4 Apartments</td>
</tr>
<tr>
<td>06</td>
<td>5-9 Apartments</td>
</tr>
<tr>
<td>07</td>
<td>10-19 Apartments</td>
</tr>
<tr>
<td>08</td>
<td>20-49 Apartments</td>
</tr>
<tr>
<td>09</td>
<td>50 or more apartments</td>
</tr>
<tr>
<td>10</td>
<td>Boat, RV, van, etc.</td>
</tr>
<tr>
<td><strong>BROADBND</strong></td>
<td><strong>Character 1</strong></td>
</tr>
<tr>
<td></td>
<td>Cellular data plan for a smartphone or other mobile device</td>
</tr>
<tr>
<td>b</td>
<td>N/A (GQ/vacant/no paid access to the internet)</td>
</tr>
<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
</tr>
<tr>
<td><strong>COMPOTHX</strong></td>
<td><strong>Character 1</strong></td>
</tr>
<tr>
<td></td>
<td>Other computer equipment</td>
</tr>
<tr>
<td>b</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
</tr>
<tr>
<td><strong>CONP</strong></td>
<td><strong>Numeric 4</strong></td>
</tr>
<tr>
<td></td>
<td>Condo fee (monthly amount, use ADJHSG to adjust CONP to constant dollars)</td>
</tr>
<tr>
<td>bbbb</td>
<td>N/A (GQ/vacant units/not owned or being bought)</td>
</tr>
<tr>
<td>0..9999</td>
<td>$0 - $9999 (Rounded and top-coded)</td>
</tr>
<tr>
<td><strong>DIALUP</strong></td>
<td><strong>Character 1</strong></td>
</tr>
<tr>
<td></td>
<td>Dial-up service</td>
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<tr>
<td>b</td>
<td>N/A (GQ/vacant/no paid access to the internet)</td>
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<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
</tr>
<tr>
<td><strong>ELEFP</strong></td>
<td><strong>Character 1</strong></td>
</tr>
<tr>
<td></td>
<td>Electricity cost flag variable</td>
</tr>
<tr>
<td>b</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1</td>
<td>Included in rent or in condo fee</td>
</tr>
<tr>
<td>2</td>
<td>No charge or electricity not used</td>
</tr>
<tr>
<td>3</td>
<td>Valid monthly electricity cost in ELEP</td>
</tr>
<tr>
<td><strong>ELEP</strong></td>
<td><strong>Numeric 3</strong></td>
</tr>
<tr>
<td></td>
<td>Electricity cost (monthly cost, use ADJHSG to adjust ELEP to constant dollars)</td>
</tr>
<tr>
<td>bbbb</td>
<td>N/A (GQ/vacant/included in rent or in condo fee/no charge or electricity not used)</td>
</tr>
<tr>
<td>3..9999</td>
<td>$3 to $9999 (Rounded and top-coded)</td>
</tr>
<tr>
<td><strong>FS</strong></td>
<td><strong>Character 1</strong></td>
</tr>
<tr>
<td></td>
<td>Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) recipiency</td>
</tr>
<tr>
<td>b</td>
<td>N/A (vacant)</td>
</tr>
</tbody>
</table>
1. Yes
2. No

FULFP  **Character  1**
Fuel cost flag variable
b .N/A (GQ/vacant)
1 .Included in rent or in condo fee
2 .No charge or fuel other than gas or electricity not used
3 .Valid annual fuel cost in FULP

FULP  **Numeric  4**
Fuel cost (yearly cost for fuels other than gas and electricity, use ADJHSG to adjust FULP to constant dollars)
bbb .N/A (GQ/vacant/included in rent or in condo fee/no charge or fuel other than gas or electricity not used)
3..9999 $.3 to $9999 (Rounded and top-coded)

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

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

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

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

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

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

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

**LAPTOP**
Character 1
Laptop or desktop

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<th>Value</th>
<th>Description</th>
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<td>N/A (GQ/vacant)</td>
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<tr>
<td>1</td>
<td>Yes</td>
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<tr>
<td>2</td>
<td>No</td>
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</table>

**MHP**
Numeric 5
Mobile home costs (yearly amount, use ADJHSG to adjust MHP to constant dollars)

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<th>Description</th>
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<tbody>
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<td>bbbbb</td>
<td>N/A (GQ/vacant/not owned or being bought/not mobile home)</td>
</tr>
<tr>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>1..99999</td>
<td>$1 to $99999 (Rounded and top-coded)</td>
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</table>

**MRGI**
Character 1
First mortgage payment includes fire/hazard/flood insurance

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<th>Value</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (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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</table>

**MRGP**
Numeric 5
First mortgage payment (monthly amount, use ADJHSG to adjust MRGP to constant dollars)

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

**MRGT**
Character 1
First mortgage payment includes real estate taxes

<table>
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<th>Description</th>
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<tbody>
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<td>N/A (GQ/vacant/not owned or being bought/not mortgaged)</td>
</tr>
<tr>
<td>1</td>
<td>Yes, taxes included in payment</td>
</tr>
<tr>
<td>2</td>
<td>No, taxes paid separately or taxes not required</td>
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</table>

**MRGX**
Character 1
First mortgage status

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<th>Description</th>
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<tr>
<td>b</td>
<td>N/A (GQ/vacant/not owned or being bought)</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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<tr>
<td>3</td>
<td>None</td>
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</table>

**OTHSVCEX**
Character 1
Other Internet service

<table>
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<th>Value</th>
<th>Description</th>
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<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant/no paid access to the internet)</td>
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<tr>
<td>1</td>
<td>Yes</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
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<tr>
<td>Variable</td>
<td>Type</td>
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<td>REFR</td>
<td>Character 1</td>
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<tr>
<td>RMSP</td>
<td>Numeric 2</td>
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<tr>
<td>RNTM</td>
<td>Character 1</td>
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<tr>
<td>RNTP</td>
<td>Numeric 5</td>
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<tr>
<td>RWAT</td>
<td>Character 1</td>
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<tr>
<td>RWATPR</td>
<td>Character 1</td>
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<tr>
<td>SATELLITE</td>
<td>Character 1</td>
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<tr>
<td>SINK</td>
<td>Character 1</td>
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<tr>
<td>SMARTPHONE</td>
<td>Character 1</td>
</tr>
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</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)
bbbbbb .N/A (GQ/vacant/not owned or being bought/ no
.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
bbbbbbbb .N/A (GQ/vacant units, except "for-sale-only"
.and "sold, not occupied"/not owned or being
.bought)
1..9999999 .$1 to $9999999 (Rounded and top-coded)

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

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

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

**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)  
bbbbb .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  
bbb .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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<td>1110</td>
<td>.German</td>
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<td>.Swiss German</td>
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<td>.Dutch</td>
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<td>.Afrikaans</td>
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<td>.French</td>
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6290 .Yoruba
6300 .Edoid languages
6370 .Igbo
6500 .Other Niger-Congo languages
6795 .Other languages of Africa
6800 .Aleut languages
6839 .Ojibwa
6930 .Apache languages
6933 .Navajo
7019 .Dakota languages
7032 .Muskogean languages
7039 .Keres
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9500 .English only household
9999 .Other and unspecified languages

HHT
Character 1
Household/family type
b .N/A (GQ/vacant)
1 .Married couple household
2 .Other family household: Male householder, no spouse present
3 .Other family household: Female householder, no spouse present
4 .Nonfamily household: Male householder: Living alone
5 .Nonfamily household: Male householder: Not living alone
6 .Nonfamily household: Female householder: Living alone
7 .Nonfamily household: Female householder: Not living alone

HHT2
Character 2
Household/family type (includes cohabiting)
bb .N/A (GQ/vacant)
01 .Married couple household with children of the householder less than 18
02 .Married couple household, no children of the householder less than 18
03 .Cohabiting couple household with children of the householder less than 18
04 .Cohabiting couple household, no children of the householder less than 18
05 .Female householder, no spouse/partner present, living alone
06 .Female householder, no spouse/partner present, with children of the householder less than 18
07 .Female householder, no spouse/partner present, with relatives, no children of the householder less than 18
08 .Female householder, no spouse/partner present, only nonrelatives present
09 .Male householder, no spouse/partner present, living alone
10 .Male householder, no spouse/partner present, with children of the householder less than 18
11 .Male householder, no spouse/partner present, with relatives, no children of the householder less than 18
12 .Male householder, no spouse/partner present, only nonrelatives present
HINCP  Numeric  7
Household income (past 12 months, use ADJINC to adjust HINCP to constant dollars)
 bbbbbbb .N/A (GQ/vacant)
 0 .No household income
-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)
brb .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)
brb .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)
brb .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

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

SMOCP  Numeric 5
Selected monthly owner costs (use ADJHSG to adjust SMOCP to constant dollars)
bbbbbb .N/A (GQ/vacant/not owned or being bought)
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)
bbb N/A (GQ/vacant/not owned or being bought)
0..22500 $0 to $22500 (rounded and top-coded)

WIF
Character 1
Workers in family during the past 12 months
b .N/A (GQ/vacant/non-family household)
0 .No workers
1 .1 worker
2 .2 workers
3 .3 or more workers in family

WKEXREL
Character 2
Work experience of householder and spouse
bb .N/A (GQ/vacant/not a family)
01 .Householder and spouse worked FT
02 .Householder worked FT; spouse worked less than FT
03 .Householder worked FT; spouse did not work
04 .Householder worked less than FT; spouse worked FT
05 .Householder worked less than FT; spouse worked less than FT
06 .Householder worked less than FT; spouse did not work
07 .Householder did not work; spouse worked FT
08 .Householder did not work; spouse worked less than FT
09 .Householder did not work; spouse did not work
10 .Male householder worked FT; no spouse present
11 .Male householder worked less than FT; no spouse present
12 .Male householder did not work; no spouse present
.Female householder worked FT; no spouse present
.Female householder worked less than FT; no spouse present
.Female householder did not work; no spouse present

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

HOUSING RECORD-ALLOCATION FLAGS

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

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

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

1. Yes

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

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

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

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

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

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

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

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

**FFINCP**  
Character 1  
Family income (past 12 months) allocation flag  
b .N/A (GQ)  
0 .No  
1 .Yes
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<td>FFULP</td>
<td>Fuel cost (yearly cost for fuels other than gas and electricity) allocation flag</td>
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<td>FGASP</td>
<td>Gas (monthly cost) allocation flag</td>
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<td>Gross rent (monthly amount) allocation flag</td>
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<td>FHFLP</td>
<td>House heating fuel allocation flag</td>
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<td>FHINCP</td>
<td>Household income (past 12 months) allocation flag</td>
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<tr>
<td>FHSPEEDP</td>
<td>Broadband (high speed) Internet service such as cable, fiber optic, or DSL service allocation flag</td>
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<td>FHOTWATP</td>
<td>Water heater allocation flag (Puerto Rico only)</td>
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<td>FINSP</td>
<td>Fire, hazard, flood insurance (yearly amount) allocation flag</td>
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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

FMHRGIP  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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**FWATP**  Character  1
Water (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
<table>
<thead>
<tr>
<th>Code</th>
<th>Type</th>
<th>Length</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>WGTP19</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 19 -9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP20</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 20 -9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP21</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 21 -9999..9999 .Integer weight of housing unit</td>
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<tr>
<td>WGTP22</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 22 -9999..9999 .Integer weight of housing unit</td>
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<tr>
<td>WGTP23</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 23 -9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP24</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 24 -9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP25</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 25 -9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP26</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 26 -9999..9999 .Integer weight of housing unit</td>
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<tr>
<td>WGTP27</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 27 -9999..9999 .Integer weight of housing unit</td>
</tr>
<tr>
<td>WGTP28</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 28 -9999..9999 .Integer weight of housing unit</td>
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<td>WGTP29</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 29 -9999..9999 .Integer weight of housing unit</td>
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<td>WGTP30</td>
<td>Numeric 5</td>
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<td>Housing Weight replicate 30 -9999..9999 .Integer weight of housing unit</td>
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<td>WGTP31</td>
<td>Numeric 5</td>
<td>5</td>
<td>Housing Weight replicate 31 -9999..9999 .Integer weight of housing unit</td>
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<td>WGTP32</td>
<td>Numeric 5</td>
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<td>Housing Weight replicate 32 -9999..9999 .Integer weight of housing unit</td>
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<tr>
<td>WGTP33</td>
<td>Numeric</td>
<td>5</td>
<td>Housing Weight replicate 33 -9999..9999. Integer weight of housing unit</td>
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<td>WGTP34</td>
<td>Numeric</td>
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<td>Housing Weight replicate 34 -9999..9999. Integer weight of housing unit</td>
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<td>Housing Weight replicate 36 -9999..9999. Integer weight of housing unit</td>
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<td>Numeric</td>
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<td>Housing Weight replicate 37 -9999..9999. Integer weight of housing unit</td>
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<td>Numeric</td>
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<td>Housing Weight replicate 38 -9999..9999. Integer weight of housing unit</td>
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<td>Housing Weight replicate 41 -9999..9999. Integer weight of housing unit</td>
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<td>WGTP42</td>
<td>Numeric</td>
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<td>Housing Weight replicate 42 -9999..9999. Integer weight of housing unit</td>
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<td>WGTP43</td>
<td>Numeric</td>
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<td>Housing Weight replicate 43 -9999..9999. Integer weight of housing unit</td>
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<td>Housing Weight replicate 44 -9999..9999. Integer weight of housing unit</td>
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<td>WGTP45</td>
<td>Numeric</td>
<td>5</td>
<td>Housing Weight replicate 45 -9999..9999. Integer weight of housing unit</td>
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<tr>
<td>WGTP46</td>
<td>Numeric</td>
<td>5</td>
<td>Housing Weight replicate 46 -9999..9999. Integer weight of housing unit</td>
</tr>
</tbody>
</table>
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
-9999..9999  Integer weight of housing unit

WGTP62  Numeric  5
Housing Weight replicate 62
-9999..9999  Integer weight of housing unit

WGTP63  Numeric  5
Housing Weight replicate 63
-9999..9999  Integer weight of housing unit

WGTP64  Numeric  5
Housing Weight replicate 64
-9999..9999  Integer weight of housing unit

WGTP65  Numeric  5
Housing Weight replicate 65
-9999..9999  Integer weight of housing unit

WGTP66  Numeric  5
Housing Weight replicate 66
-9999..9999  Integer weight of housing unit

WGTP67  Numeric  5
Housing Weight replicate 67
-9999..9999  Integer weight of housing unit

WGTP68  Numeric  5
Housing Weight replicate 68
-9999..9999  Integer weight of housing unit

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

WGTP70  Numeric  5
Housing Weight replicate 70
-9999..9999  Integer weight of housing unit

WGTP71  Numeric  5
Housing Weight replicate 71
-9999..9999  Integer weight of housing unit

WGTP72  Numeric  5
Housing Weight replicate 72
-9999..9999  Integer weight of housing unit

WGTP73  Numeric  5
Housing Weight replicate 73
-9999..9999  Integer weight of housing unit

WGTP74  Numeric  5
Housing Weight replicate 74
-9999..9999  Integer weight of housing unit
WGTP75  Numeric  5  
Housing Weight replicate 75  
-9999..9999  .Integer weight of housing unit

WGTP76  Numeric  5  
Housing Weight replicate 76  
-9999..9999  .Integer weight of housing unit

WGTP77  Numeric  5  
Housing Weight replicate 77  
-9999..9999  .Integer weight of housing unit

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

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

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

PERSON RECORD

PERSON RECORD-BASIC VARIABLES

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

SERIALNO  Character  13  
Housing unit/GQ person serial number  
2019GQ0000001..2019GQ9999999 .GQ Unique identifier  
2019HU0000001..2019HU9999999 .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)
00100..70301 .Public use microdata area codes

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

ST  Character  2
State Code based on 2010 Census definitions
 01 .Alabama/AL
 02 .Alaska/AK
 04 .Arizona/AZ
 05 .Arkansas/AR
 06 .California/CA
 08 .Colorado/CO
 09 .Connecticut/CT
10 .Delaware/DE
11 .District of Columbia/DC
12 .Florida/FL
13 .Georgia/GA
15 .Hawaii/HI
16 .Idaho/ID
17 .Illinois/IL
18 .Indiana/IN
19 .Iowa/IA
20 .Kansas/KS
21 .Kentucky/KY
22 .Louisiana/LA
23 .Maine/ME
24 .Maryland/MD
25 .Massachusetts/MA
26 .Michigan/MI
27 .Minnesota/MN
28 .Mississippi/MS
29 .Missouri/MI
30 .Montana/MT
31 .Nebraska/NE
32 .Nevada/NV
33 .New Hampshire/NH
34 .New Jersey/NJ
35 .New Mexico/NM
36 .New York/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
<table>
<thead>
<tr>
<th>Number</th>
<th>State/Abbreviation</th>
</tr>
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<tbody>
<tr>
<td>47</td>
<td>Tennessee/TN</td>
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<tr>
<td>48</td>
<td>Texas/TX</td>
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<tr>
<td>49</td>
<td>Utah/UT</td>
</tr>
<tr>
<td>50</td>
<td>Vermont/VT</td>
</tr>
<tr>
<td>51</td>
<td>Virginia/VA</td>
</tr>
<tr>
<td>52</td>
<td>Washington/WA</td>
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<tr>
<td>53</td>
<td>West Virginia/WV</td>
</tr>
<tr>
<td>54</td>
<td>Wisconsin/WI</td>
</tr>
<tr>
<td>55</td>
<td>Wyoming/WY</td>
</tr>
<tr>
<td>72</td>
<td>Puerto Rico/PR</td>
</tr>
</tbody>
</table>

**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)  
l. 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)  
l. Yes  
2. No

DEAR  
Character 1  
Hearing difficulty  
l. Yes  
2. No

DEYE  
Character 1  
Vision difficulty  
l. Yes  
2. No

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

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

DRAT  
Character 1  
Veteran service connected disability rating (percentage)  
b. N/A (No service-connected disability/never served in military)  
l. 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
4. In 4-person carpool
5. In 5-person carpool
6. In 6-person carpool
7. In 7-person carpool
8. In 8-person carpool
9. In 9-person carpool
10. In 10-person or more carpool (Top-coded)

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

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

**MAR**  
Character 1  
Marital status
- Married
- Widowed
- Divorced
- Separated
- Never married or under 15 years old

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

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

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

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

**MARHYP**  Numeric  4
Year last married
   bbbb. N/A (age less than 15 years; never married)
   1940. 1940 or earlier (Bottom-coded)
   1941. 1941
   1942. 1942
   1943. 1943
   1944. 1944
   1945. 1945
   1946. 1946
   1947. 1947
   1948. 1948
   1949. 1949
   1950. 1950
   1951. 1951
   1952. 1952
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2010 .2010
2011 .2011
2012 .2012
2013 .2013
2014 .2014
2015 .2015
2016 .2016
2017 .2017
2018 .2018
2019 .2019

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

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

MLPA Character 1
Served September 2001 or later
  b .N/A (less than 17 years old/no active duty)
  0 .Did not serve this period
  1 .Served this period
MLPB  Character  1
Served August 1990 - August 2001 (including Persian Gulf War)
 b .N/A (less than 17 years old/no active duty)
 0 .Did not serve this period
 1 .Served this period

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

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

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

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

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

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

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

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

**Character 1**
Available for work (UNEDITED - See "Employment Status Recode" (ESR))

b .N/A (less than 16 years/at work/not looking)
1 .Yes
2 .No, temporarily ill
3 .No, other reasons
4 .No, unspecified
5 .Did not report

**NWLA**

**Character 1**
On layoff from work (UNEDITED - See "Employment Status Recode" (ESR))

b .N/A (less than 16 years old/at work)
1 .Yes
2 .No
3 .Did not report

**NWLK**

**Character 1**
Looking for work (UNEDITED - See "Employment Status Recode" (ESR))

b .N/A (less than 16 years old/at work/temporarily absent/informed of recall)
1 .Yes
2 .No
3 .Did not report

**NWRE**

**Character 1**
Informed of recall (UNEDITED - See "Employment Status Recode" (ESR))

b .N/A (less than 16 years old/at work/not on layoff)
1 .Yes
2 .No
3 .Did not report

**OIP**

**Numeric 6**
All other income past 12 months (use ADJINC to adjust to constant dollars)

b b b b b b .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)

b b b b b .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

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<td>$4 to $999999 (Rounded and top-coded)</td>
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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)
1..999999  .$1 to $999999 (Rounded and top-coded)

SEX  Character  1
Sex
1 .Male
2 .Female

SSIP  Numeric  5
Supplementary Security Income past 12 months (use ADJINC to adjust SSIP to constant dollars)
bbbbbb  .N/A (less than 15 years old)
0  .None
4..30000  .$4 to $30000 (Rounded 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
- 1945 .1945
- 1946 .1946
- 1947 .1947
- 1948 .1948
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- 1951 .1951
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2014 .2014
2015 .2015
2016 .2016
2017 .2017
2018 .2018
2019 .2019

PERSON RECORD—RECODED PERSON VARIABLES

ANC Character 1
Ancestry recode
1 .Single
2 .Multiple
3 .Unclassified

45
4. Not reported
8. Suppressed for data year 2018 for select PUMAs

ANC1P  Character  3
Recoded Detailed Ancestry - first entry
000. Suppressed for data year 2018 for select PUMAs
001. Alsatian
003. Austrian
005. Basque
008. Belgian
009. Flemish
011. British
012. British Isles
020. Danish
021. Dutch
022. English
024. Finnish
026. French
032. German
040. Prussian
046. Greek
049. Icelander
050. Irish
051. Italian
068. Sicilian
077. Luxembourger
078. Maltese
082. Norwegian
084. Portuguese
087. Scotch Irish
088. Scottish
089. Swedish
091. Swiss
094. Irish Scotch
097. Welsh
098. Scandinavian
099. Celtic
100. Albanian
102. Belorussian
103. Bulgarian
109. Croatian
111. Czech
112. Bohemian
114. Czechoslovakian
115. Estonian
122. German Russian
124. Rom
125. Hungarian
128. Latvian
129. Lithuanian
130. Macedonian
131. Montenegrin
142. Polish
144. Romanian
146. Moldavian
148. Russian
152. Serbian
153. Slovak
154. Slovene
168. Turkestani
169. Uzbek
170. Georgia CIS
171. Ukrainian
176. Yugoslav
177. Bosnian and Herzegovinian
178. Slavic
179. Slavonian
181. Central European
183. Northern European
185. Southern European
187. Western European
190. Eastern European
194. Germanic
195. European
200. Spaniard
210. Mexican
211. Mexican American
212. Mexicano
213. Chicano
215. Mexican American Indian
218. Mexican State
219. Mexican Indian
221. Costa Rican
222. Guatemalan
223. Honduran
224. Nicaraguan
225. Panamanian
226. Salvadoran
227. Central American
231. Argentinean
232. Bolivian
233. Chilean
234. Colombian
235. Ecuadorian
236. Paraguayan
237. Peruvian
238. Uruguayan
239. Venezuelan
249. South American
250. Latin American
251. Latin
252. Latino
261. Puerto Rican
271. Cuban
275. Dominican
290. Hispanic
291. Spanish
295. Spanish American
300. Bahamian
301. Barbadian
302. Belizean
308. Jamaican
310. Dutch West Indian
314. Trinidadian Tobagonian
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.Thai
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.Australian
.New Zealander
.Polynesian
.Hawaiian
.Samoan
.Tongan
.Micronesian
.Guamanian
.Chamorro
.Palauan
.Marshallese
.Fijian
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.Creole
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.South American Indian
.Native American
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929. Pennsylvania German
931. Canadian
935. French Canadian
936. Acadian
937. Cajun
939. American
940. United States
970. New Mexico
983. Texas
994. North American
995. Mixture
996. Uncodable entries
997. Other groups
998. Other responses
999. Not reported

ANC2P  Character  3
Recoded Detailed Ancestry - second entry
000. Suppressed for data year 2018 for select PUMAs
001. Alsatian
003. Austrian
005. Basque
008. Belgian
009. Flemish
011. British
012. British Isles
020. Danish
021. Dutch
022. English
024. Finnish
026. French
032. German
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103. Bulgarian
109. Croatian
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Bohemian
Czechoslovakian
Estonian
German Russian
Rom
Hungarian
Latvian
Lithuanian
Macedonian
Montenegrin
Polish
Romanian
Moldavian
Russian
Serbian
Slovak
Slovene
Turkestanian
Uzbek
Georgia CIS
Ukrainian
Yugoslavian
Bosnian and Herzegovinian
Slavic
Slavonian
Central European
Northern European
Southern European
Western European
Eastern European
Germanic
European
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Chicano
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Mexican State
Mexican Indian
Costa Rican
Guatemalan
Honduran
Nicaraguan
Panamanian
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<td>508</td>
<td>Cameroonian</td>
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<tr>
<td>510</td>
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<td>515</td>
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<td>Guinean</td>
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Kenyan
Liberian
Nigerian
Senegalese
Sierra Leonean
Somali
South African
Sudanese
Togo
Other Subsaharan African
Ugandan
Zimbabwean
Western African
African
Afghan
Bangladeshi
Bhutanese
Nepali
Asian Indian
Bengali
East Indian
Punjabi
Pakistani
Sri Lankan
Burmese
Cambodian
Chinese
Cantonese
Mongolian
Tibetan
Hong Kong
Filipino
Indonesian
Japanese
Okinawan
Korean
Laotian
Hmong
Malaysian
Thai
 Taiwanese
Vietnamese
Asian
Other Asian
Australian
New Zealander
Polynesian
Hawaiian
Samoan
Tongan
Micronesian
Guamanian
Chamorro
Palauan
Marshallese
Fijian
Pacific Islander
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<tr>
<td>1</td>
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</tr>
<tr>
<td>2</td>
<td>.Before 1950</td>
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<tr>
<td>3</td>
<td>.1950 - 1959</td>
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<td>4</td>
<td>.1960 - 1969</td>
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<td>.1970 - 1979</td>
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<td>8</td>
<td>.2000 - 2009</td>
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<td>.2010 or later</td>
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<td>DIS</td>
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<tr>
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<td>.With a disability</td>
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<tr>
<td>2</td>
<td>.Without a disability</td>
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<tr>
<td>DRIVESP</td>
<td>Number of vehicles calculated from JWRI</td>
</tr>
<tr>
<td>1</td>
<td>.N/A (Nonworker or worker who does not drive to work)</td>
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<tr>
<td>2</td>
<td>.1.000 vehicles (Drove alone)</td>
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<tr>
<td>3</td>
<td>.0.500 vehicles (In a 2-person carpool)</td>
</tr>
<tr>
<td>4</td>
<td>.0.333 vehicles (In a 3-person carpool)</td>
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<tr>
<td></td>
<td>.0.250 vehicles (In a 4-person carpool)</td>
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</tbody>
</table>
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
- 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
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
6302 .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
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2309 .Secondary Teacher Education
2310 .Special Needs Education
2311 .Social Science Or History Teacher Education
2312 .Teacher Education: Multiple Levels
2313 .Language And Drama Education
2314 .Art And Music Education
2399 .Miscellaneous Education
2400 .General Engineering
2401 .Aerospace Engineering
2402 .Biological Engineering
2403 .Architectural Engineering
2404 .Biomedical Engineering
2405 .Chemical Engineering
2406 .Civil Engineering
2407 .Computer Engineering
2408 .Electrical Engineering
2409 .Engineering Mechanics Physics And Science
2410 .Environmental Engineering
2411 .Geological And Geophysical Engineering
2412 .Industrial And Manufacturing Engineering
2413 .Materials Engineering And Materials Science
2414 .Mechanical Engineering
2415 .Metallurgical Engineering
2416 .Mining And Mineral Engineering
2417 .Naval Architecture And Marine Engineering
2418 .Nuclear Engineering
2419 .Petroleum Engineering
2499 .Miscellaneous Engineering
2500 .Engineering Technologies
2501 .Engineering And Industrial Management
2502 .Electrical Engineering Technology
2503 .Industrial Production Technologies
2504 .Mechanical Engineering Related Technologies
2599 .Miscellaneous Engineering Technologies
2601 .Linguistics And Comparative Language And Literature
2602 .French German Latin And Other Common Foreign Language Studies
2603 .Other Foreign Languages
2901 .Family And Consumer Sciences
3201 .Court Reporting
3202 .Pre-Law And Legal Studies
3301 .English Language And Literature
3302 .Composition And Rhetoric
3401  Liberal Arts
3402  Humanities
3501  Library Science
3600  Biology
3601  Biochemical Sciences
3602  Botany
3603  Molecular Biology
3604  Ecology
3605  Genetics
3606  Microbiology
3607  Pharmacology
3608  Physiology
3609  Zoology
3611  Neuroscience
3699  Miscellaneous Biology
3700  Mathematics
3701  Applied Mathematics
3702  Statistics And Decision Science
3801  Military Technologies
4000  Multi/Interdisciplinary Studies
4001  Intercultural And International Studies
4002  Nutrition Sciences
4005  Mathematics And Computer Science
4006  Cognitive Science And Biopsychology
4007  Interdisciplinary Social Sciences
4101  Physical Fitness Parks Recreation And Leisure
4801  Philosophy And Religious Studies
4901  Theology And Religious Vocations
5000  Physical Sciences
5001  Astronomy And Astrophysics
5002  Atmospheric Sciences And Meteorology
5003  Chemistry
5004  Geology And Earth Science
5005  Geosciences
5006  Oceanography
5007  Physics
5008  Materials Science
5098  Multi-Disciplinary Or General Science
5102  Nuclear, Industrial Radiology, And Biological Technologies
5200  Psychology
5201  Educational Psychology
5202  Clinical Psychology
5203  Counseling Psychology
5205  Industrial And Organizational Psychology
5206  Social Psychology
5299  Miscellaneous Psychology
5301  Criminal Justice And Fire Protection
5401  Public Administration
5402  Public Policy
5403  Human Services And Community Organization
5404  Social Work
5500  General Social Sciences
5501  Economics
5502  Anthropology And Archeology
5503  Criminology
5504  Geography
5505  International Relations
5506 .Political Science And Government
5507 .Sociology
5599 .Miscellaneous Social Sciences
5601 .Construction Services
5701 .Electrical, Mechanical, And Precision Technologies And Production
5901 .Transportation Sciences And Technologies
6000 .Fine Arts
6001 .Drama And Theater Arts
6002 .Music
6003 .Visual And Performing Arts
6004 .Commercial Art And Graphic Design
6005 .Film Video And Photographic Arts
6006 .Art History And Criticism
6007 .Studio Arts
6099 .Miscellaneous Fine Arts
6100 .General Medical And Health Services
6102 .Communication Disorders Sciences And Services
6103 .Health And Medical Administrative Services
6104 .Medical Assisting Services
6105 .Medical Technologies Technicians
6106 .Health And Medical Preparatory Programs
6107 .Nursing
6108 .Pharmacy Pharmaceutical Sciences And Administration
6109 .Treatment Therapy Professions
6110 .Community And Public Health
6199 .Miscellaneous Health Medical Professions
6200 .General Business
6201 .Accounting
6202 .Actuarial Science
6203 .Business Management And Administration
6204 .Operations Logistics And E-Commerce
6205 .Business Economics
6206 .Marketing And Marketing Research
6207 .Finance
6209 .Human Resources And Personnel Management
6210 .International Business
6211 .Hospitality Management
6212 .Management Information Systems And Statistics
6299 .Miscellaneous Business And Medical Administration
6400 .History
6402 .History
6403 .United States History

**HICOV**

**Character  1**

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

**HISP**

**Character  2**

Recoded detailed Hispanic origin
01 .Not Spanish/Hispanic/Latino
02 .Mexican
03 .Puerto Rican
04 .Cuban
05 .Dominican
06 .Costa Rican
07 .Guatemalan
<table>
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<tr>
<th>Character</th>
<th>Description</th>
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<tbody>
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<td>08</td>
<td>Honduran</td>
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<tr>
<td>09</td>
<td>Nicaraguan</td>
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<tr>
<td>10</td>
<td>Panamanian</td>
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<tr>
<td>11</td>
<td>Salvadoran</td>
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<tr>
<td>12</td>
<td>Other Central American</td>
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<tr>
<td>13</td>
<td>Argentinean</td>
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<tr>
<td>14</td>
<td>Bolivian</td>
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<td>16</td>
<td>Colombian</td>
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<tr>
<td>18</td>
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<td>19</td>
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<tr>
<td>20</td>
<td>Uruguayan</td>
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<td>21</td>
<td>Venezuelan</td>
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<tr>
<td>22</td>
<td>Other South American</td>
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<td>23</td>
<td>Spaniard</td>
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<tr>
<td>24</td>
<td>All Other Spanish/Hispanic/Latino</td>
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**INDP Character 4**

Industry recode for 2018 and later based on 2017 IND codes

```
INDP Character 4
```

<table>
<thead>
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<tbody>
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<td>0170</td>
<td>AGR-Crop Production</td>
</tr>
<tr>
<td>0180</td>
<td>AGR-Animal Production And Aquaculture</td>
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<tr>
<td>0190</td>
<td>AGR-Forestry Except Logging</td>
</tr>
<tr>
<td>0270</td>
<td>AGR-Logging</td>
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<tr>
<td>0280</td>
<td>AGR-Fishing, Hunting And Trapping</td>
</tr>
<tr>
<td>0290</td>
<td>AGR-Support Activities For Agriculture And Forestry</td>
</tr>
<tr>
<td>0370</td>
<td>EXT-Oil And Gas Extraction</td>
</tr>
<tr>
<td>0380</td>
<td>EXT-Coal Mining</td>
</tr>
<tr>
<td>0390</td>
<td>EXT-Metal Ore Mining</td>
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<tr>
<td>0470</td>
<td>EXT-Nonmetallic Mineral Mining And Quarrying</td>
</tr>
<tr>
<td>0490</td>
<td>EXT-Support Activities For Mining</td>
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<tr>
<td>0570</td>
<td>UTL-Electric Power Generation, Transmission And Distribution</td>
</tr>
<tr>
<td>0580</td>
<td>UTL-Natural Gas Distribution</td>
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<tr>
<td>0590</td>
<td>UTL-Electric And Gas, And Other Combinations</td>
</tr>
<tr>
<td>0670</td>
<td>UTL-Water, Steam, Air-Conditioning, And Irrigation Systems</td>
</tr>
<tr>
<td>0680</td>
<td>UTL-Sewage Treatment Facilities</td>
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<tr>
<td>0690</td>
<td>UTL-Not Specified Utilities</td>
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<tr>
<td>0770</td>
<td>CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)</td>
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<td>1070</td>
<td>MFG-Animal Food, Grain And Oilseed Milling</td>
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<tr>
<td>1080</td>
<td>MFG-Sugar And Confectionery Products</td>
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<tr>
<td>1090</td>
<td>MFG-Fruit And Vegetable Preserving And Specialty Food</td>
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<tr>
<td>1170</td>
<td>MFG-Dairy Product</td>
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<td>1180</td>
<td>MFG-Animal Slaughtering And Processing</td>
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<tr>
<td>1190</td>
<td>MFG-Retail Bakeries</td>
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<tr>
<td>1270</td>
<td>MFG-Bakeries And Tortilla, Except Retail Bakeries</td>
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<tr>
<td>1280</td>
<td>MFG-Seafood And Other Miscellaneous Foods, N.E.C.</td>
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<tr>
<td>1290</td>
<td>MFG-Not Specified Food Industries</td>
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<tr>
<td>1370</td>
<td>MFG-Beverage</td>
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<tr>
<td>1390</td>
<td>MFG-Tobacco</td>
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<tr>
<td>1470</td>
<td>MFG-Fiber, Yarn, And Thread Mills</td>
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<tr>
<td>1480</td>
<td>MFG-Fabric Mills, Except Knitting Mills</td>
</tr>
<tr>
<td>1490</td>
<td>MFG-Textile And Fabric Finishing And Fabric Coating Mills</td>
</tr>
</tbody>
</table>

62
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
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-Miscellaneous Manufacturing, N.E.C.
3990  .MFG-Not Specified Manufacturing Industries
4070  .WHL-Motor Vehicle And Motor Vehicle Parts And Supplies
 .Merchant Wholesalers
4080  .WHL-Furniture And Home Furnishing Merchant Wholesalers
4090  .WHL-Lumber And Other Construction Materials Merchant
 .Wholesalers
4170  .WHL-Professional And Commercial Equipment And Supplies
 .Merchant Wholesalers
4180  .WHL-Metals And Minerals, Except Petroleum, Merchant
 .Wholesalers
4195  .WHL-Household Appliances And Electrical And Electronic
 .Goods Merchant Wholesalers
4265  .WHL-Hardware, And Plumbing And Heating Equipment, And
 .Supplies Merchant Wholesalers
4270  .WHL-Machinery, Equipment, And Supplies Merchant Wholesalers
4280  .WHL-Recyclable Material Merchant Wholesalers
4290  .WHL-Miscellaneous Durable Goods Merchant Wholesalers
4370  .WHL-Paper And Paper Products Merchant Wholesalers
4380  .WHL-Drugs, Sundries, And Chemical And Allied Products
 .Merchant Wholesalers
4390  .WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers
4470  .WHL-Grocery And Related Product Merchant Wholesalers
4480  .WHL-Farm Product Raw Material Merchant Wholesalers
4490  .WHL-Petroleum And Petroleum Products Merchant Wholesalers
4560  .WHL-Alcoholic Beverages Merchant Wholesalers
4570  .WHL-Farm Supplies Merchant Wholesalers
4580  .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers
4585  .WHL-Wholesale Electronic Markets And Agents And Brokers
4590  .WHL-Not Specified Wholesale Trade
4670  .RET-Automobile Dealers
4680  .RET-Other Motor Vehicle Dealers
4690  .RET-Automotive Parts, Accessories, And Tire Stores
4770  .RET-Furniture And Home Furnishings Stores
4780  .RET-Household Appliance Stores
4795  .RET-Electronics Stores
4870  .RET-Building Material And Supplies Dealers
4880  .RET-Hardware Stores
4890  .RET-Lawn And Garden Equipment And Supplies Stores
4971  .RET-Supermarkets and Other Grocery (Except Convenience)
 .Stores
4972  .RET-Convenience Stores
4980  .RET-Specialty Food Stores
4990  .RET-Beer, Wine, And Liquor Stores
<table>
<thead>
<tr>
<th>Code</th>
<th>Industry Description</th>
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<tbody>
<tr>
<td>5070</td>
<td>.RET-Pharmacies And Drug Stores</td>
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<tr>
<td>5080</td>
<td>.RET-Health And Personal Care, Except Drug Stores</td>
</tr>
<tr>
<td>5090</td>
<td>.RET-Gasoline Stations</td>
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<tr>
<td>5170</td>
<td>.RET-Clothing Stores</td>
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<tr>
<td>5180</td>
<td>.RET-Shoe Stores</td>
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<tr>
<td>5190</td>
<td>.RET-Jewelry, Luggage, And Leather Goods Stores</td>
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<tr>
<td>5275</td>
<td>.RET-Sporting Goods, And Hobby And Toy Stores</td>
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<tr>
<td>5280</td>
<td>.RET-Sewing, Needlework, And Piece Goods Stores</td>
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<tr>
<td>5295</td>
<td>.RET-Musical Instrument And Supplies Stores</td>
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<tr>
<td>5370</td>
<td>.RET-Book Stores And News Dealers</td>
</tr>
<tr>
<td>5381</td>
<td>.RET-Department Stores</td>
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<tr>
<td>5391</td>
<td>.RET-General Merchandise Stores, Including Warehouse Clubs and Supercenters</td>
</tr>
<tr>
<td>5470</td>
<td>.RET-Florists</td>
</tr>
<tr>
<td>5480</td>
<td>.RET-Office Supplies And Stationery Stores</td>
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<tr>
<td>5490</td>
<td>.RET-Used Merchandise Stores</td>
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<tr>
<td>5570</td>
<td>.RET-Gift, Novelty, And Souvenir Shops</td>
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<tr>
<td>5580</td>
<td>.RET-Miscellaneous Retail Stores</td>
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<tr>
<td>5593</td>
<td>.RET-Electronic Shopping And Mail-Order Houses</td>
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<tr>
<td>5670</td>
<td>.RET-Vending Machine Operators</td>
</tr>
<tr>
<td>5680</td>
<td>.RET-Fuel Dealers</td>
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<tr>
<td>5690</td>
<td>.RET-Other Direct Selling Establishments</td>
</tr>
<tr>
<td>5790</td>
<td>.RET-Not Specified Retail Trade</td>
</tr>
<tr>
<td>6070</td>
<td>.TRN-Air Transportation</td>
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<tr>
<td>6080</td>
<td>.TRN-Rail Transportation</td>
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<td>6090</td>
<td>.TRN-Water Transportation</td>
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<td>6170</td>
<td>.TRN-Truck Transportation</td>
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<tr>
<td>6180</td>
<td>.TRN-Bus Service And Urban Transit</td>
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<tr>
<td>6190</td>
<td>.TRN-Taxi And Limousine Service</td>
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<tr>
<td>6270</td>
<td>.TRN-Pipeline Transportation</td>
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<tr>
<td>6280</td>
<td>.TRN-Scenic And Sightseeing Transportation</td>
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<tr>
<td>6290</td>
<td>.TRN-Services Incidental To Transportation</td>
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<tr>
<td>6370</td>
<td>.TRN-Postal Service</td>
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<tr>
<td>6380</td>
<td>.TRN-Couriers And Messengers</td>
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<tr>
<td>6390</td>
<td>.TRN-Warehousing And Storage</td>
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<tr>
<td>6470</td>
<td>.INF-Newspaper Publishers</td>
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<tr>
<td>6480</td>
<td>.INF-Periodical, Book, And Directory Publishers</td>
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<td>6490</td>
<td>.INF-Software Publishers</td>
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<td>6570</td>
<td>.INF-Motion Pictures And Video Industries</td>
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<td>6590</td>
<td>.INF-Sound Recording Industries</td>
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<tr>
<td>6670</td>
<td>.INF-Broadcasting (Except Internet)</td>
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<tr>
<td>6672</td>
<td>.INF-Internet Publishing And Broadcasting And Web Search Portals</td>
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<tr>
<td>6680</td>
<td>.INF-Wired Telecommunications Carriers</td>
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<tr>
<td>6690</td>
<td>.INF-Telecommunications, Except Wired Telecommunications Carriers</td>
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<tr>
<td>6695</td>
<td>.INF-Data Processing, Hosting, And Related Services</td>
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<td>.INF-Libraries And Archives</td>
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<td>6780</td>
<td>.INF-Other Information Services, Except Libraries And Archives, And Internet Publishing And Broadcasting And Web Search Portals</td>
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<tr>
<td>6870</td>
<td>.FIN-Banking And Related Activities</td>
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<tr>
<td>6880</td>
<td>.FIN-Savings Institutions, Including Credit Unions</td>
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<tr>
<td>6890</td>
<td>.FIN-Nondepository Credit And Related Activities</td>
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<tr>
<td>6970</td>
<td>.FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments</td>
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<tr>
<td>6991</td>
<td>.FIN-Insurance Carriers</td>
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.FIN-Agencies, Brokerages, And Other Insurance Related Activities
.FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers
.FIN-Real Estate Property Managers, Offices Of Real Estate Appraisers, And Other Activities Related To Real Estate
.FIN-Automotive Equipment Rental And Leasing
.FIN-Other Consumer Goods Rental
.FIN-Commercial, Industrial, And Other Intangible Assets Rental And Leasing
.PRF-Legal Services
.PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services
.PRF-Architectural, Engineering, And Related Services
.PRF-Specialized Design Services
.PRF-Computer Systems Design And Related Services
.PRF-Management, Scientific, And Technical Consulting Services
.PRF-Scientific Research And Development Services
.PRF-Advertising, Public Relations, And Related Services
.PRF-Veterinary Services
.PRF-Other Professional, Scientific, And Technical Services
.PRF-Management Of Companies And Enterprises
.PRF-Employment Services
.PRF-Business Support Services
.PRF-Travel Arrangements And Reservation Services
.PRF-Investigation And Security Services
.PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)
.PRF-Landscaping Services
.PRF-Other Administrative And Other Support Services
.PRF-Waste Management And Remediation Services
.EDU-Elementary And Secondary Schools
.EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges
.EDU-Business, Technical, And Trade Schools And Training
.EDU-Other Schools And Instruction, And Educational Support Services
.MED-Offices Of Physicians
.MED-Offices Of Dentists
.MED-Offices Of Chiropractors
.MED-Offices Of Optometrists
.MED-Offices Of Other Health Practitioners
.MED-Outpatient Care Centers
.MED-Home Health Care Services
.MED-Other Health Care Services
.MED-General Medical And Surgical Hospitals, And Specialty (Except Psychiatric And Substance Abuse) Hospitals
.MED-Psychiatric And Substance Abuse Hospitals
.MED-Nursing Care Facilities (Skilled Nursing Facilities)
.MED-Residential Care Facilities, Except Skilled Nursing Facilities
.SCA-Individual And Family Services
.SCA-Community Food And Housing, And Emergency Services
.SCA-Vocational Rehabilitation Services
.SCA-Child Day Care Services
.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-Automatic Repair And Maintenance
8780 .SRV-Car Washes
8790 .SRV-Electronic And Precision Equipment Repair And Maintenance
8870 .SRV-Commercial And Industrial Machinery And Equipment Repair And Maintenance
8891 .SRV-Personal And Household Goods Repair And Maintenance
8970 .SRV-Barber Shops
8980 .SRV-Beauty Salons
8990 .SRV-Nail Salons And Other Personal Care Services
9070 .SRV-Drycleaning And Laundry Services
9080 .SRV-Funeral Homes, And Cemeteries And Crematories
9090 .SRV-Other Personal Services
9160 .SRV-Religious Organizations
9170 .SRV-Civic, Social, Advocacy Organizations, And Grantmaking And Giving Services
9180 .SRV-Labor Unions
9190 .SRV-Business, Professional, Political, And Similar Organizations
9290 .SRV-Private Households
9370 .ADM-Executive Offices And Legislative Bodies
9380 .ADM-Public Finance Activities
9390 .ADM-Other General Government And Support
9470 .ADM-Justice, Public Order, And Safety Activities
9480 .ADM-Administration Of Human Resource Programs
9490 .ADM-Administration Of Environmental Quality And Housing Programs
9570 .ADM-Administration Of Economic Programs And Space Research
9590 .ADM-National Security And International Affairs
9670 .MIL-U.S. Army
9680 .MIL-U.S. Air Force
9690 .MIL-U.S. Navy
9770 .MIL-U.S. Marines
9780 .MIL-U.S. Coast Guard
9790 .MIL-Armed Forces, Branch Not Specified
9870 .MIL-Military Reserves Or National Guard
9920 .Unemployed, With No Work Experience In The Last 5 Years Or Earlier Or Never Worked

JWAP Character 3
Time of arrival at work - hour and minute
bbb .N/A (not a worker; worker who worked at home)
001 .12:00 a.m. to 12:04 a.m.
002 12:05 a.m. to 12:09 a.m.
003 12:10 a.m. to 12:14 a.m.
004 12:15 a.m. to 12:19 a.m.
005 12:20 a.m. to 12:24 a.m.
006 12:25 a.m. to 12:29 a.m.
007 12:30 a.m. to 12:34 a.m.
008 12:35 a.m. to 12:39 a.m.
009 12:40 a.m. to 12:44 a.m.
010 12:45 a.m. to 12:49 a.m.
011 1:00 a.m. to 1:04 a.m.
012 1:05 a.m. to 1:09 a.m.
013 1:10 a.m. to 1:14 a.m.
014 1:15 a.m. to 1:19 a.m.
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020 1:45 a.m. to 1:49 a.m.
021 1:50 a.m. to 1:54 a.m.
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023 2:05 a.m. to 2:09 a.m.
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033 2:55 a.m. to 2:59 a.m.
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<td>Jamaican Creole English</td>
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<td>Other English-based Creole languages</td>
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1175 .Cajun French
1200 .Spanish
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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 .Burmese
2270 .Chin languages
2350 .Karen languages
2430 .Thai
2475 .Lao
2525 .Iu Mien
2535 .Hmong
2560 .Japanese
2575 .Korean
2715 .Malay
2770 .Indonesian
2850 .Other languages of Asia
2910 .Filipino
2920 .Tagalog
2950 .Cebuano
3150 .Ilocano
3190 .Other Philippine languages
3220 .Chamorro
3270 .Marshallese
3350 .Chuukese
3420 .Samoan
3500 .Tongan
3570 .Hawaiian
3600 .Other Eastern Malayo-Polynesian languages
4500 .Arabic
4545 .Hebrew
4560 .Assyrian Neo-Aramaic
4565 .Chaldean Neo-Aramaic
4590 .Amharic
4640 .Tigrinya
4830 .Oromo
4840 .Somali
4880 .Other Afro-Asiatic languages
4900 .Nilo-Saharan languages
5150 .Swahili
5345 .Ganda
5525 .Shona
5645 .Other Bantu languages
5845 .Manding languages
5900 .Other Mande languages
5940 .Fulah
5950 .Wolof
6120 .Akan (incl. Twi)
6205 .Ga
6230 .Gbe languages
6290 .Yoruba
6300 .Edoid languages
6370 .Igbo
6500 .Other Niger-Congo languages
6795 .Other languages of Africa
6800 .Aleut languages
6839 .Ojibwa
6930 .Apache languages
6933 .Navajo
7019 .Dakota languages
7032 .Muskogean languages
7039 .Keres
7050 .Cherokee
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9999 .Other and unspecified languages

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

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<td>000002</td>
<td>Lived in Puerto Rico one year ago and current residence is in the U.S.</td>
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<td>00100-70100</td>
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**MIGSP Character 3**
Migration recode - State or foreign country code

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<td>Arkansas/AR</td>
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<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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<tr>
<td>011</td>
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<td>Peru</td>
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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**

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<td>Married, spouse present/spouse absent</td>
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<td>Now married, spouse present</td>
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<tr>
<td>2</td>
<td>Now married, spouse absent</td>
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<tr>
<td>3</td>
<td>Widowed</td>
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<td>5</td>
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<td>Never married</td>
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**NAICSP**

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<td>N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)</td>
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<td>AGR-Crop Production</td>
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<td>AGR-Animal Production And Aquaculture</td>
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<tr>
<td>1133</td>
<td>AGR-Logging</td>
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<tr>
<td>113M</td>
<td>AGR-Forestry Except Logging</td>
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<tr>
<td>114</td>
<td>AGR-Fishing, Hunting And Trapping</td>
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<tr>
<td>115</td>
<td>AGR-Support Activities For Agriculture And Forestry</td>
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<tr>
<td>211</td>
<td>EXT-Oil And Gas Extraction</td>
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<tr>
<td>2121</td>
<td>EXT-Coal Mining</td>
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<tr>
<td>2122</td>
<td>EXT-Metal Ore Mining</td>
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<td>2123</td>
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<tr>
<td>213</td>
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<td>2211P</td>
<td>UTL-Electric Power Generation, Transmission And Distribution</td>
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<td>2212P</td>
<td>UTL-Natural Gas Distribution</td>
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<tr>
<td>22132</td>
<td>UTL-Sewage Treatment Facilities</td>
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<td>2213M</td>
<td>UTL-Water, Steam, Air-Conditioning, And Irrigation Systems</td>
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<tr>
<td>221MP</td>
<td>UTL-Electric And Gas, And Other Combinations</td>
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<td>22S</td>
<td>UTL-Not Specified Utilities</td>
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<td>CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)</td>
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<td>MFG-Sugar And Confectionery Products</td>
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<td>MFG-Fruit And Vegetable Preserving And Specialty Food</td>
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<td>MFG-Dairy Product</td>
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<td>3116</td>
<td>MFG-Animal Slaughtering And Processing</td>
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<td>311B11</td>
<td>MFG-Retail Bakeries</td>
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<td>311B2</td>
<td>MFG-Bakeries And Tortilla, Except Retail Bakeries</td>
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<tr>
<td>311M1</td>
<td>MFG-Animal Food, Grain And Oilseed Milling</td>
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<td>MFG-Seafood And Other Miscellaneous Foods, N.E.C.</td>
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<tr>
<td>3121</td>
<td>MFG-Beverage</td>
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<td>3122</td>
<td>MFG-Tobacco</td>
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<tr>
<td>3131</td>
<td>MFG-Fiber, Yarn, And Thread Mills</td>
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<tr>
<td>3132</td>
<td>MFG-Fabric Mills, Except Knitting Mills</td>
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<td>3133</td>
<td>MFG-Textile And Fabric Finishing And Fabric Coating Mills</td>
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<td>3141</td>
<td>MFG-Carpet And Rug Mills</td>
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<td>3142</td>
<td>MFG-Textile Product Mills, Except Carpet And Rug</td>
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<td>315M</td>
<td>MFG-Cut And Sew, And Apparel Accessories And Other Apparel</td>
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<td>3162</td>
<td>MFG-Footwear</td>
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<tr>
<td>316M</td>
<td>MFG-Leather And Hide Tanning And Finishing, And Other Leather And Allied Product</td>
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<td>31M</td>
<td>MFG-Knitting Fabric Mills, And Apparel Knitting Mills</td>
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<tr>
<td>3211</td>
<td>MFG-Sawmills And Wood Preservation</td>
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<td>3212</td>
<td>MFG-Veneer, Plywood, And Engineered Wood Products</td>
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<td>3219</td>
<td>MFG-Prefabricated Wood Buildings And Mobile Homes</td>
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<td>MFG-Miscellaneous Wood Products</td>
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<td>3221</td>
<td>MFG-Pulp, Paper, And Paperboard Mills</td>
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<td>3222</td>
<td>MFG-Paperboard Container</td>
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<td>3222M</td>
<td>MFG-Miscellaneous Paper And Pulp Products</td>
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<td>3231</td>
<td>MFG-Printing And Related Support Activities</td>
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<td>3241</td>
<td>MFG-Miscellaneous Petroleum And Coal Products</td>
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<td>MFG-Resin, Synthetic Rubber, And Fibers And Filaments</td>
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<td>3253</td>
<td>MFG-Agricultural Chemical</td>
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<td>3254</td>
<td>MFG-Pharmaceuticals And Medicine</td>
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<td>MFG-Paint, Coating, And Adhesive</td>
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<td>3256</td>
<td>MFG-Soap, Cleaning Compound, And Cosmetics</td>
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<td>MFG-Industrial And Miscellaneous Chemicals</td>
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<td>MFG-Plastics Product</td>
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<td>MFG-Rubber Products, Except Tires</td>
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<td>MFG-Pottery, Ceramics, And Plumbing Fixture</td>
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<td>MFG-Clay Building Material And Refractories</td>
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<td>MFG-Glass And Glass Product</td>
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<td>MFG-Cement, Concrete, Lime, And Gypsum Product</td>
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<td>331</td>
<td>MFG-Aluminum Production And Processing</td>
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<td>MFG-Foundries</td>
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<td>331M</td>
<td>MFG-Iron And Steel Mills And Steel Product</td>
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<td>3322</td>
<td>MFG-Cutlery And Hand Tool</td>
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<td>MFG-Machine Shops; Turned Product; Screw, Nut And Bolt</td>
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<td>MFG-Coating, Engraving, Heat Treating, And Allied Activities</td>
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<td>MFG-Ordnance</td>
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<td>332M</td>
<td>MFG-Structural Metals, And Boiler, Tank, And Shipping Container</td>
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<td>332M2</td>
<td>MFG-Miscellaneous Fabricated Metal Products</td>
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<td>333</td>
<td>MFG-Agricultural Implement</td>
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<td>3331M</td>
<td>MFG-Construction, And Mining And Oil And Gas Field Machinery</td>
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<td>3333</td>
<td>MFG-Commercial And Service Industry Machinery</td>
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<td>MFG-Metalworking Machinery</td>
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3336  .MFG-Engine, Turbine, And Power Transmission Equipment
333MS .MFG-Machinery, N.E.C. Or Not Specified
3341  .MFG-Computer And Peripheral Equipment
3345  .MFG-Navigational, Measuring, Electromedical, And Control Instruments
334M1 .MFG-Communications, Audio And Video Equipment
334M2 .MFG-Electronic Component And Product, N.E.C.
3352  .MFG-Household Appliance
335M .MFG-Electric Lighting And Electrical Equipment, And Other Electrical Component, N.E.C.
33641M1 .MFG-Aircraft And Parts
33641M2 .MFG-Aerospace Products And Parts
3365  .MFG-Railroad Rolling Stock
3366  .MFG-Ship And Boat Building
3369  .MFG-Other Transportation Equipment
336M .MFG-Motor Vehicles And Motor Vehicle Equipment
337  .MFG-Furniture And Related Product
3391  .MFG-Medical Equipment And Supplies
3399M .MFG-Sporting And Athletic Goods, And Doll, Toy And Game
3399ZM .MFG-Miscellaneous Manufacturing, N.E.C.
33MS .MFG-Not Specified Metal Industries
3MS  .MFG-Not Specified Manufacturing Industries
4231 .WHL-Motor Vehicle And Motor Vehicle Parts And Supplies Merchant Wholesalers
4232 .WHL-Furniture And Home Furnishing Merchant Wholesalers
4233 .WHL-Lumber And Other Construction Materials Merchant Wholesalers
4234 .WHL-Professional And Commercial Equipment And Supplies Merchant Wholesalers
4235 .WHL-Metals And Minerals, Except Petroleum, Merchant Wholesalers
4236 .WHL-Household Appliances And Electrical And Electronic Goods Merchant Wholesalers
4237 .WHL-Hardware, And Plumbing And Heating Equipment, And Supplies Merchant Wholesalers
4238 .WHL-Machinery, Equipment, And Supplies Merchant Wholesalers
42393 .WHL-Recyclable Material Merchant Wholesalers
42392 .WHL-Miscellaneous Durable Goods Merchant Wholesalers
4241 .WHL-Paper And Paper Products Merchant Wholesalers
4243  .WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers
4244 .WHL-Grocery And Related Product Merchant Wholesalers
4245 .WHL-Farm Product Raw Material Merchant Wholesalers
4247 .WHL-Petroleum And Petroleum Products Merchant Wholesalers
4248 .WHL-Alcoholic Beverages Merchant Wholesalers
42491 .WHL-Farm Supplies Merchant Wholesalers
42492 .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers
424M .WHL-Drugs, Sundries, And Chemical And Allied Products Merchant Wholesalers
4251 .WHL-Wholesale Electronic Markets And Agents And Brokers
42S  .WHL-Not Specified Wholesale Trade
4411  .RET-Automobile Dealers
4412  .RET-Other Motor Vehicle Dealers
4413  .RET-Automotive Parts, Accessories, And Tire Stores
442  .RET-Furniture And Home Furnishings Stores
<table>
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<td>RET-Household Appliance Stores</td>
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<td>443142</td>
<td>RET-Electronics Stores</td>
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<td>44413</td>
<td>RET-Hardware Stores</td>
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<tr>
<td>44412</td>
<td>RET-Building Material And Supplies Dealers</td>
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<td>RET-Lawn And Garden Equipment And Supplies Stores</td>
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<td>RET-Supermarkets And Other Grocery (Except Convenience) Stores</td>
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<td>RET-Convenience Stores</td>
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<td>RET-Specialty Food Stores</td>
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<td>RET-Beer, Wine, And Liquor Stores</td>
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<td>RET-Pharmacies And Drug Stores</td>
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<td>RET-Health And Personal Care, Except Drug, Stores</td>
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<td>RET-Gasoline Stations</td>
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<td>RET-Shoe Stores</td>
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<td>4483</td>
<td>RET-Jewelry, Luggage, And Leather Goods Stores</td>
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<td>RET-Clothing Stores</td>
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<td>45113</td>
<td>RET-Sewing, Needlework, And Piece Goods Stores</td>
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<td>45114</td>
<td>RET-Musical Instrument And Supplies Stores</td>
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<td>4511M</td>
<td>RET-Sporting Goods, And Hobby And Toy Stores</td>
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<td>45121</td>
<td>RET-Book Stores And News Dealers</td>
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<td>45221</td>
<td>RET-Department Stores</td>
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<td>RET-General Merchandise Stores, Including Warehouse Clubs And Supercenters</td>
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<td>4531</td>
<td>RET-Florists</td>
</tr>
<tr>
<td>45321</td>
<td>RET-Office Supplies And Stationery Stores</td>
</tr>
<tr>
<td>45322</td>
<td>RET-Gift, Novelty, And Souvenir Shops</td>
</tr>
<tr>
<td>4533</td>
<td>RET-Used Merchandise Stores</td>
</tr>
<tr>
<td>4539</td>
<td>RET-Miscellaneous Retail Stores</td>
</tr>
<tr>
<td>454110</td>
<td>RET-Electronic Shopping And Mail-Order Houses</td>
</tr>
<tr>
<td>4542</td>
<td>RET-Vending Machine Operators</td>
</tr>
<tr>
<td>454310</td>
<td>RET-Fuel Dealers</td>
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<tr>
<td>45439</td>
<td>RET-Other Direct Selling Establishments</td>
</tr>
<tr>
<td>4MS</td>
<td>RET-Not Specified Retail Trade</td>
</tr>
<tr>
<td>481</td>
<td>TRN-Air Transportation</td>
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<tr>
<td>482</td>
<td>TRN-Rail Transportation</td>
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<td>483</td>
<td>TRN-Water Transportation</td>
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<tr>
<td>484</td>
<td>TRN-Truck Transportation</td>
</tr>
<tr>
<td>4853</td>
<td>TRN-Taxi And Limousine Service</td>
</tr>
<tr>
<td>485M</td>
<td>TRN-Bus Service And Urban Transit</td>
</tr>
<tr>
<td>486</td>
<td>TRN-Pipeline Transportation</td>
</tr>
<tr>
<td>487</td>
<td>TRN-Scenic And Sightseeing Transportation</td>
</tr>
<tr>
<td>488</td>
<td>TRN-Services Incidental To Transportation</td>
</tr>
<tr>
<td>491</td>
<td>TRN-Postal Service</td>
</tr>
<tr>
<td>492</td>
<td>TRN-Couriers And Messengers</td>
</tr>
<tr>
<td>493</td>
<td>TRN-Warehousing And Storage</td>
</tr>
<tr>
<td>51111</td>
<td>INF-Newspaper Publishers</td>
</tr>
<tr>
<td>51112</td>
<td>INF-Periodical, Book, And Directory Publishers</td>
</tr>
<tr>
<td>5112</td>
<td>INF-Software Publishers</td>
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<tr>
<td>5121</td>
<td>INF-Motion Pictures And Video Industries</td>
</tr>
<tr>
<td>5122</td>
<td>INF-Sound Recording Industries</td>
</tr>
<tr>
<td>515</td>
<td>INF-Broadcasting (Except Internet)</td>
</tr>
<tr>
<td>517311</td>
<td>INF-Wired Telecommunications Carriers</td>
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<tr>
<td>517Z</td>
<td>INF-Telecommunications, Except Wired Telecommunications Carriers</td>
</tr>
<tr>
<td>5182</td>
<td>INF-Data Processing, Hosting, And Related Services</td>
</tr>
<tr>
<td>51912</td>
<td>INF-Libraries And Archives</td>
</tr>
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<td>Code</td>
<td>Description</td>
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<td>-----------------------------------------------------------------------------</td>
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<tr>
<td>51913</td>
<td>INF-Internet Publishing And Broadcasting And Web Search Portals</td>
</tr>
<tr>
<td>51912M</td>
<td>INF-Other Information Services, Except Libraries And Archives, And Internet Publishing And Broadcasting And Web Search Portals</td>
</tr>
<tr>
<td>5221M</td>
<td>FIN-Savings Institutions, Including Credit Unions</td>
</tr>
<tr>
<td>522M</td>
<td>FIN-Nondepository Credit And Related Activities</td>
</tr>
<tr>
<td>5241</td>
<td>FIN-Insurance Carriers</td>
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<tr>
<td>5242</td>
<td>FIN-Agencies, Brokerages, And Other Insurance Related Activities</td>
</tr>
<tr>
<td>52M1</td>
<td>FIN-Banking And Related Activities</td>
</tr>
<tr>
<td>52M2</td>
<td>FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments</td>
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<tr>
<td>531M</td>
<td>FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers</td>
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<tr>
<td>5313</td>
<td>FIN-Real Estate Property Managers, Offices of Real Estate Appraisers, And Other Activities Related to Real Estate</td>
</tr>
<tr>
<td>5321</td>
<td>FIN-Automotive Equipment Rental And Leasing</td>
</tr>
<tr>
<td>532M2</td>
<td>FIN-Other Consumer Goods Rental</td>
</tr>
<tr>
<td>53M</td>
<td>FIN-Commercial, Industrial, And Other Intangible Assets Rental And Leasing</td>
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<tr>
<td>5411</td>
<td>PRF-Legal Services</td>
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<tr>
<td>5412</td>
<td>PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services</td>
</tr>
<tr>
<td>5413</td>
<td>PRF-Architectural, Engineering, And Related Services</td>
</tr>
<tr>
<td>5414</td>
<td>PRF-Specialized Design Services</td>
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<tr>
<td>5415</td>
<td>PRF-Computer Systems Design And Related Services</td>
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<tr>
<td>5416</td>
<td>PRF-Management, Scientific, And Technical Consulting Services</td>
</tr>
<tr>
<td>5417</td>
<td>PRF-Scientific Research And Development Services</td>
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<tr>
<td>5418</td>
<td>PRF-Advertising, Public Relations, And Related Services</td>
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<tr>
<td>54194</td>
<td>PRF-Veterinary Services</td>
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<tr>
<td>54192</td>
<td>PRF-Other Professional, Scientific, And Technical Services</td>
</tr>
<tr>
<td>55</td>
<td>PRF-Management Of Companies And Enterprises</td>
</tr>
<tr>
<td>5613</td>
<td>PRF-Employment Services</td>
</tr>
<tr>
<td>5614</td>
<td>PRF-Business Support Services</td>
</tr>
<tr>
<td>5615</td>
<td>PRF-Travel Arrangements And Reservation Services</td>
</tr>
<tr>
<td>5616</td>
<td>PRF-Investigation And Security Services</td>
</tr>
<tr>
<td>56173</td>
<td>PRF-Landscaping Services</td>
</tr>
<tr>
<td>5617Z</td>
<td>PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)</td>
</tr>
<tr>
<td>561M</td>
<td>PRF-Other Administrative And Other Support Services</td>
</tr>
<tr>
<td>562</td>
<td>PRF-Waste Management And Remediation Services</td>
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<tr>
<td>611</td>
<td>EDU-Elementary And Secondary Schools</td>
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<tr>
<td>611M1</td>
<td>EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges</td>
</tr>
<tr>
<td>611M2</td>
<td>EDU-Business, Technical, And Trade Schools And Training</td>
</tr>
<tr>
<td>611M3</td>
<td>EDU-Other Schools And Instruction, And Educational Support Services</td>
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<tr>
<td>6211</td>
<td>MED-Offices Of Physicians</td>
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<td>6212</td>
<td>MED-Offices Of Dentists</td>
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<tr>
<td>62131</td>
<td>MED-Offices Of Chiropractors</td>
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<tr>
<td>62132</td>
<td>MED-Offices Of Optometrists</td>
</tr>
<tr>
<td>6213ZM</td>
<td>MED-Offices Of Other Health Practitioners</td>
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</table>
6214 .MED-Outpatient Care Centers
6216 .MED-Home Health Care Services
621M .MED-Other Health Care Services
622M .MED-General Medical And Surgical Hospitals, And
  Specialty (Except Psychiatric And Substance Abuse)
  Hospitals
6222 .MED-Psychiatric And Substance Abuse Hospitals
6231 .MED-Nursing Care Facilities (Skilled Nursing
  Facilities)
623M .MED-Residential Care Facilities, Except Skilled Nursing
  Facilities
6241 .SCA-Individual And Family Services
6242 .SCA-Community Food And Housing, And Emergency Services
6243 .SCA-Vocational Rehabilitation Services
6244 .SCA-Child Day Care Services
7111 .ENT-Performing Arts Companies
7112 .ENT-Spectator Sports
711M .ENT-Promoters Of Performing Arts, Sports, And Similar
  Events, Agents And Managers For Artists, Athletes,
  Entertainers, And Other Public Figures
7115 .ENT-Independent Artists, Writers, And Performers
712 .ENT-Museums, Art Galleries, Historical Sites, And
  Similar Institutions
71395 .ENT-Bowling Centers
713Z .ENT-Other Amusement, Gambling, And Recreation
  Industries
7211 .ENT-Traveler Accommodation
721M .ENT-Recreational Vehicle Parks And Camps, And Rooming
  And Boarding Houses, Dormitories, And Workers' Camps
7224 .ENT-Drinking Places, Alcoholic Beverages
722Z .ENT-Restaurants And Other Food Services
811192 .SRV-Car Washes
8111Z .SRV-Automotive Repair And Maintenance
8112 .SRV-Electronic And Precision Equipment Repair And
  Maintenance
8113 .SRV-Commercial And Industrial Machinery And Equipment
  Repair And Maintenance
8114 .SRV-Personal And Household Goods Repair And Maintenance
812111 .SRV-Barber Shops
812112 .SRV-Beauty Salons
8121M .SRV-Nail Salons And Other Personal Care Services
8122 .SRV-Funeral Homes, And Cemeteries And Crematories
8123 .SRV-Drycleaning And Laundry Services
8129 .SRV-Other Personal Services
8131 .SRV-Religious Organizations
81393 .SRV-Labor Unions
8139Z .SRV-Business, Professional, Political, And Similar
  Organizations
813M .SRV-Civic, Social, Advocacy Organizations, And
  Grantmaking And Giving Services
814 .SRV-Private Households
92113 .ADM-Public Finance Activities
92119 .ADM-Other General Government And Support
9211MP .ADM-Executive Offices And Legislative Bodies
923 .ADM-Administration Of Human Resource Programs
928110P1 .MIL-U.S. Army
928110P2 .MIL-U.S. Air Force
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
<table>
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<tr>
<th>Code</th>
<th>Occupation</th>
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<tbody>
<tr>
<td>1065</td>
<td>CMM-Database Administrators and Architects</td>
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<tr>
<td>1105</td>
<td>CMM-Network And Computer Systems Administrators</td>
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<tr>
<td>1106</td>
<td>CMM-Computer Network Architects</td>
</tr>
<tr>
<td>1108</td>
<td>CMM-Computer Occupations, All Other</td>
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<tr>
<td>1200</td>
<td>CMM-Actuaries</td>
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<tr>
<td>1220</td>
<td>CMM-Operations Research Analysts</td>
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<tr>
<td>1240</td>
<td>CMM-Other Mathematical Science Occupations</td>
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<tr>
<td>1305</td>
<td>ENG-Architects, Except Landscape And Naval</td>
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<td>1306</td>
<td>ENG-Landscape Architects</td>
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<tr>
<td>1310</td>
<td>ENG-Surveyors, Cartographers, And Photogrammetrists</td>
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<tr>
<td>1320</td>
<td>ENG-Aerospace Engineers</td>
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<tr>
<td>1340</td>
<td>ENG-Biomedical And Agricultural Engineers</td>
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<tr>
<td>1350</td>
<td>ENG-Chemical Engineers</td>
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<tr>
<td>1360</td>
<td>ENG-Civil Engineers</td>
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<tr>
<td>1400</td>
<td>ENG-Computer Hardware Engineers</td>
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<tr>
<td>1410</td>
<td>ENG-Electrical And Electronics Engineers</td>
</tr>
<tr>
<td>1420</td>
<td>ENG-Environmental Engineers</td>
</tr>
<tr>
<td>1430</td>
<td>ENG-Industrial Engineers, Including Health And Safety</td>
</tr>
<tr>
<td>1440</td>
<td>ENG-Marine Engineers And Naval Architects</td>
</tr>
<tr>
<td>1450</td>
<td>ENG-Materials Engineers</td>
</tr>
<tr>
<td>1460</td>
<td>ENG-Mechanical Engineers</td>
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<tr>
<td>1520</td>
<td>ENG-Petroleum, Mining And Geological Engineers, Including Mining Safety Engineers</td>
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<tr>
<td>1530</td>
<td>ENG-Other Engineers</td>
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<tr>
<td>1541</td>
<td>ENG-Architectural And Civil Drafters</td>
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<tr>
<td>1545</td>
<td>ENG-Other Drafters</td>
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<td>1551</td>
<td>ENG-Electrical And Electronic Engineering Technologists And Technicians</td>
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<tr>
<td>1555</td>
<td>ENG-Other Engineering Technologists And Technicians, Except Drafters</td>
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<tr>
<td>1560</td>
<td>ENG-Surveying And Mapping Technicians</td>
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<tr>
<td>1600</td>
<td>SCI-Agricultural And Food Scientists</td>
</tr>
<tr>
<td>1610</td>
<td>SCI-Biological Scientists</td>
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<tr>
<td>1640</td>
<td>SCI-Conservation Scientists And Foresters</td>
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<tr>
<td>1650</td>
<td>SCI-Other Life Scientists</td>
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<tr>
<td>1700</td>
<td>SCI-Astronomers And Physicists</td>
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<tr>
<td>1710</td>
<td>SCI-Atmospheric And Space Scientists</td>
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<tr>
<td>1720</td>
<td>SCI-Chemists And Materials Scientists</td>
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<tr>
<td>1745</td>
<td>SCI-Environmental Scientists And Specialists, Including Health</td>
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<td>1750</td>
<td>SCI-Geoscientists And Hydrologists, Except Geographers</td>
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<td>1760</td>
<td>SCI-Physical Scientists, All Other</td>
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<td>1800</td>
<td>SCI-Economists</td>
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<tr>
<td>1821</td>
<td>SCI-Clinical And Counseling Psychologists</td>
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<td>1822</td>
<td>SCI-School Psychologists</td>
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<td>1825</td>
<td>SCI-Other Psychologists</td>
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<tr>
<td>1840</td>
<td>SCI-Urban And Regional Planners</td>
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<td>1860</td>
<td>SCI-Other Social Scientists</td>
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<td>1900</td>
<td>SCI-Agricultural And Food Science Technicians</td>
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<tr>
<td>1910</td>
<td>SCI-Biological Technicians</td>
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<tr>
<td>1920</td>
<td>SCI-Chemical Technicians</td>
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<tr>
<td>1935</td>
<td>SCI-Environmental Science and Geoscience Technicians, And Nuclear Technicians</td>
</tr>
<tr>
<td>1970</td>
<td>SCI-Other Life, Physical, And Social Science Technicians</td>
</tr>
<tr>
<td>1980</td>
<td>SCI-Occupational Health And Safety Specialists and Technicians</td>
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<tr>
<td>2001</td>
<td>CMS-Substance Abuse And Behavioral Disorder Counselors</td>
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</tbody>
</table>
2830 .ENT-Editors
2840 .ENT-Technical Writers
2850 .ENT-Writers And Authors
2861 .ENT-Interpreters and Translators
2862 .ENT-Court Reporters and Simultaneous Captioners
2865 .ENT-Media And Communication Workers, All Other
2905 .ENT-Other Media And Communication Equipment Workers
2910 .ENT-Photographers
2920 .ENT-Television, Video, And Film Camera Operators And .Editors
3000 .MED-Chiropractors
3010 .MED-Dentists
3030 .MED-Dietitians And Nutritionists
3040 .MED-Optometrists
3050 .MED-Pharmacists
3090 .MED-Physicians
3100 .MED-Surgeons
3110 .MED-Physician Assistants
3120 .MED-Podiatrists
3140 .MED-Audiologists
3150 .MED-Occupational Therapists
3160 .MED-Physical Therapists
3200 .MED-Radiation Therapists
3210 .MED-Recreational Therapists
3220 .MED-Respiratory Therapists
3230 .MED-Speech-Language Pathologists
3245 .MED-Other Therapists
3250 .MED-Veterinarians
3255 .MED-Registered Nurses
3256 .MED-Nurse Anesthetists
3258 .MED-Nurse Practitioners, And Nurse Midwives
3261 .MED-Acupuncturists
3270 .MED-Healthcare Diagnosing Or Treating Practitioners, All .Other
3300 .MED-Clinical Laboratory Technologists And Technicians
3310 .MED-Dental Hygienists
3321 .MED-Cardiovascular Technologists and Technicians
3322 .MED-Diagnostic Medical Sonographers
3323 .MED-Radiologic Technologists And Technicians
3324 .MED-Magnetic Resonance Imaging Technologists
3330 .MED-Nuclear Medicine Technologists and Medical Dosimetrists
3401 .MED-Emergency Medical Technicians
3402 .MED-Paramedics
3421 .MED-Pharmacy Technicians
3422 .MED-Psychiatric Technicians
3423 .MED-Surgical Technologists
3424 .MED-Veterinary Technologists and Technicians
3430 .MED-Dietetic Technicians And Ophthalmic Medical Technicians
3500 .MED-Licensed Practical And Licensed Vocational Nurses
3515 .MED-Medical Records Specialists
3520 .MED-Opticians, Dispensing
3545 .MED-Miscellaneous Health Technologists and Technicians
3550 .MED-Other Healthcare Practitioners and Technical .Occupations
3601 .HLS-Home Health Aides
3602 .HLS-Personal Care Aides
3603 .HLS-Nursing Assistants
3605 .HLS-Orderlies and Psychiatric Aides  
3610 .HLS-Occupational Therapy Assistants And Aides  
3620 .HLS-Physical Therapist Assistants And Aides  
3630 .HLS-Massage Therapists  
3640 .HLS-Dental Assistants  
3645 .HLS-Medical Assistants  
3646 .HLS-Medical Transcriptionists  
3647 .HLS-Pharmacy Aides  
3648 .HLS-Veterinary Assistants And Laboratory Animal Caretakers  
3649 .HLS-Phlebotomists  
3655 .HLS-Other Healthcare Support Workers  
3700 .PRT-First-Line Supervisors Of Correctional Officers  
3710 .PRT-First-Line Supervisors Of Police And Detectives  
3720 .PRT-First-Line Supervisors Of Firefighting And Prevention Workers  
3725 .PRT-Miscellaneous First-Line Supervisors, Protective Service Workers  
3740 .PRT-Firefighters  
3750 .PRT-Fire Inspectors  
3801 .PRT-Bailiffs  
3802 .PRT-Correctional Officers and Jailers  
3820 .PRT-Detectives And Criminal Investigators  
3840 .PRT-Fish And Game Wardens And Parking Enforcement Officers  
3870 .PRT-Police Officers  
3900 .PRT-Animal Control Workers  
3910 .PRT-Private Detectives And Investigators  
3930 .PRT-Security Guards And Gambling Surveillance Officers  
3940 .PRT-Crossing Guards And Flaggers  
3945 .PRT-Transportation Security Screeners  
3946 .PRT-School Bus Monitors  
3960 .PRT-Other Protective Service Workers  
4000 .EAT-Chefs And Head Cooks  
4010 .EAT-First-Line Supervisors Of Food Preparation And Serving Workers  
4020 .EAT-Cooks  
4030 .EAT-Food Preparation Workers  
4040 .EAT-Bartenders  
4055 .EAT-Fast Food And Counter Workers  
4110 .EAT-Waiters And Waitresses  
4120 .EAT-Food Servers, Nonrestaurant  
4130 .EAT-Dining Room And Cafeteria Attendants And Bartender Helpers  
4140 .EAT-Dishwashers  
4150 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee Shop  
4160 .EAT-Food Preparation and Serving Related Workers, All Other  
4200 .CLN-First-Line Supervisors Of Housekeeping And Janitorial Workers  
4210 .CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers  
4220 .CLN-Janitors And Building Cleaners  
4230 .CLN-Maids And Housekeeping Cleaners  
4240 .CLN-Pest Control Workers  
4251 .CLN-Landscaping And Groundskeeping Workers  
4252 .CLN-Tree Trimmers and Pruners  
4255 .CLN-Other Grounds Maintenance Workers  
4330 .PRS-Supervisors Of Personal Care And Service Workers  

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<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>4340</td>
<td>.PRS-Animal Trainers</td>
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<td>4350</td>
<td>.PRS-Animal Caretakers</td>
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<td>4400</td>
<td>.PRS-Gambling Services Workers</td>
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<tr>
<td>4420</td>
<td>.PRS-Ushers, Lobby Attendants, And Ticket Takers</td>
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<tr>
<td>4435</td>
<td>.PRS-Other Entertainment Attendants And Related Workers</td>
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<tr>
<td>4461</td>
<td>.PRS-Embalmers, Crematory Operators And Funeral Attendants</td>
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<tr>
<td>4465</td>
<td>.PRS-Morticians, Undertakers, And Funeral Arrangers</td>
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<td>.PRS-Barbers</td>
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<td>4510</td>
<td>.PRS-Hairdressers, Hairstylists, And Cosmetologists</td>
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<td>4521</td>
<td>.PRS-Manicurists And Pedicurists</td>
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<td>4522</td>
<td>.PRS-Skincare Specialists</td>
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<td>4525</td>
<td>.PRS-Other Personal Appearance Workers</td>
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<td>4530</td>
<td>.PRS-Baggage Porters, Bellhops, And Concierges</td>
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<td>4540</td>
<td>.PRS-Tour And Travel Guides</td>
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<td>.PRS-Childcare Workers</td>
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<td>4621</td>
<td>.PRS-Exercise Trainers And Group Fitness Instructors</td>
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<td>.PRS-Recreation Workers</td>
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<tr>
<td>4640</td>
<td>.PRS-Residential Advisors</td>
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<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>
</tr>
<tr>
<td>4720</td>
<td>.SAL-Cashiers</td>
</tr>
<tr>
<td>4740</td>
<td>.SAL-Counter And Rental Clerks</td>
</tr>
<tr>
<td>4750</td>
<td>.SAL-Parts Salespersons</td>
</tr>
<tr>
<td>4760</td>
<td>.SAL-Retail Salespersons</td>
</tr>
<tr>
<td>4800</td>
<td>.SAL-Advertising Sales Agents</td>
</tr>
<tr>
<td>4810</td>
<td>.SAL-Insurance Sales Agents</td>
</tr>
<tr>
<td>4820</td>
<td>.SAL-Securities, Commodities, And Financial Services Sales Agents</td>
</tr>
<tr>
<td>4830</td>
<td>.SAL-Travel Agents</td>
</tr>
<tr>
<td>4840</td>
<td>.SAL-Sales Representatives Of Services, Except Advertising, Insurance, Financial Services, And Travel</td>
</tr>
<tr>
<td>4850</td>
<td>.SAL-Sales Representatives, Wholesale And Manufacturing</td>
</tr>
<tr>
<td>4900</td>
<td>.SAL-Models, Demonstrators, And Product Promoters</td>
</tr>
<tr>
<td>4920</td>
<td>.SAL-Real Estate Brokers And Sales Agents</td>
</tr>
<tr>
<td>4930</td>
<td>.SAL-Sales Engineers</td>
</tr>
<tr>
<td>4940</td>
<td>.SAL-Telemarketers</td>
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<tr>
<td>4950</td>
<td>.SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers</td>
</tr>
<tr>
<td>4965</td>
<td>.SAL-Sales And Related Workers, All Other</td>
</tr>
<tr>
<td>5000</td>
<td>.OFF-First-Line Supervisors Of Office And Administrative Support Workers</td>
</tr>
<tr>
<td>5010</td>
<td>.OFF-Switchboard Operators, Including Answering Service</td>
</tr>
<tr>
<td>5020</td>
<td>.OFF-Telephone Operators</td>
</tr>
<tr>
<td>5040</td>
<td>.OFF-Communications Equipment Operators, All Other</td>
</tr>
<tr>
<td>5100</td>
<td>.OFF-Bill And Account Collectors</td>
</tr>
<tr>
<td>5110</td>
<td>.OFF-Billing And Posting Clerks</td>
</tr>
<tr>
<td>5120</td>
<td>.OFF-Bookkeeping, Accounting, And Auditing Clerks</td>
</tr>
<tr>
<td>5140</td>
<td>.OFF-Payroll And Timekeeping Clerks</td>
</tr>
<tr>
<td>5150</td>
<td>.OFF-Procurement Clerks</td>
</tr>
<tr>
<td>5160</td>
<td>.OFF-Tellers</td>
</tr>
<tr>
<td>5165</td>
<td>.OFF-Other Financial Clerks</td>
</tr>
<tr>
<td>5220</td>
<td>.OFF-Court, Municipal, And License Clerks</td>
</tr>
<tr>
<td>5230</td>
<td>.OFF-Credit Authorizers, Checkers, And Clerks</td>
</tr>
<tr>
<td>5240</td>
<td>.OFF-Customer Service Representatives</td>
</tr>
<tr>
<td>5250</td>
<td>.OFF-Eligibility Interviewers, Government Programs</td>
</tr>
<tr>
<td>5260</td>
<td>.OFF-File Clerks</td>
</tr>
</tbody>
</table>
5300 .OFF-Hotel, Motel, And Resort Desk Clerks
5310 .OFF-Interviewers, Except Eligibility And Loan
5320 .OFF-Library Assistants, Clerical
5330 .OFF-Loan Interviewers And Clerks
5340 .OFF-New Accounts Clerks
5350 .OFF-Correspondence Clerks And Order Clerks
5360 .OFF-Human Resources Assistants, Except Payroll And .Timekeeping
5400 .OFF-Receptionists And Information Clerks
5410 .OFF-Reservation And Transportation Ticket Agents And Travel .Clerks
5420 .OFF-Other Information And Records Clerks
5500 .OFF-Cargo And Freight Agents
5510 .OFF-Couriers And Messengers
5521 .OFF-Public Safety Telecommunicators
5522 .OFF-Dispatchers, Except Police, Fire, And Ambulance
5530 .OFF-Meter Readers, Utilities
5540 .OFF-Postal Service Clerks
5550 .OFF-Postal Service Mail Carriers
5560 .OFF-Postal Service Mail Sorters, Processors, And Processing .Machine Operators
5600 .OFF-Production, Planning, And Expediting Clerks
5610 .OFF-Shipping, Receiving, And Inventory Clerks
5630 .OFF-Weighers, Measurers, Checkers, And Samplers, .Recordkeeping
5710 .OFF-Executive Secretaries And Executive Administrative .Assistants
5720 .OFF-Legal Secretaries and Administrative Assistants
5730 .OFF-Medical Secretaries and Administrative Assistants
5740 .OFF-Secretaries And Administrative Assistants, Except .Legal, Medical, And Executive
5810 .OFF-Data Entry Keyers
5820 .OFF-Word Processors And Typists
5840 .OFF-Insurance Claims And Policy Processing Clerks
5850 .OFF-Mail Clerks And Mail Machine Operators, Except Postal .Service
5860 .OFF-Office Clerks, General
5900 .OFF-Office Machine Operators, Except Computer
5910 .OFF-Proofreaders And Copy Markers
5920 .OFF-Statistical Assistants
5940 .OFF-Other Office And Administrative Support Workers
6005 .FFF-First-Line Supervisors Of Farming, Fishing, And .Forestry Workers
6010 .FFF-Agricultural Inspectors
6040 .FFF-Graders And Sorters, Agricultural Products
6050 .FFF-Other Agricultural Workers
6115 .FFF-Fishing And Hunting Workers
6120 .FFF-Forest And Conservation Workers
6130 .FFF-Logging Workers
6200 .CON-First-Line Supervisors Of Construction Trades And .Extraction Workers
6210 .CON-Boilermakers
6220 .CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing .Iron And Rebar Workers
6230 .CON-Carpenters
6240 .CON-Carpet, Floor, And Tile Installers And Finishers
6250 .CON-Cement Masons, Concrete Finishers, And Terrazzo Workers
6260 .CON-Construction Laborers
6305 .CON-Construction Equipment Operators
6330 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers
6355 .CON-Electricians
6360 .CON-Glaziers
6400 .CON-Insulation Workers
6410 .CON-Painters and Paperhangers
6441 .CON-Pipelayers
6442 .CON-Plumbers, Pipefitters, And Steamfitters
6460 .CON-Plasterers And Stucco Masons
6515 .CON-Roofers
6520 .CON-Sheet Metal Workers
6530 .CON-Structural Iron And Steel Workers
6540 .CON-Solar Photovoltaic Installers
6600 .CON-Helpers, Construction Trades
6660 .CON-Construction And Building Inspectors
6700 .CON-Elevator And Escalator Installers And Repairers
6710 .CON-Fence Erectors
6720 .CON-Hazardous Materials Removal Workers
6730 .CON-Highway Maintenance Workers
6740 .CON-Rail-Track Laying And Maintenance Equipment Operators
6765 .CON-Other Construction And Related Workers
6800 .EXT-Derrick, Rotary Drill, And Service Unit Operators, And Roustabouts, Oil, 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
7350 .RPR—Maintenance Workers, Machinery  
7360 .RPR—Millwrights  
7410 .RPR—Electrical Power-Line Installers And Repairers  
7420 .RPR—Telecommunications Line Installers And Repairers  
7430 .RPR—Precision Instrument And Equipment Repairers  
7510 .RPR—Coin, Vending, And Amusement Machine Servicers And Repairers  
7540 .RPR—Locksmiths And Safe Repairers  
7560 .RPR—Riggers  
7610 .RPR—Helpers—Installation, Maintenance, And Repair Workers  
7640 .RPR—Other Installation, Maintenance, And Repair Workers  
7700 .PRD—First-Line Supervisors Of Production And Operating Workers  
7720 .PRD—Electrical, Electronics, And Electromechanical Assemblers  
7730 .PRD—Engine And Other Machine Assemblers  
7740 .PRD—Structural Metal Fabricators And Fitters  
7750 .PRD—Other Assemblers And Fabricators  
7800 .PRD—Bakers  
7810 .PRD—Butchers And Other Meat, Poultry, And Fish Processing Workers  
7830 .PRD—Food And Tobacco Roasting, Baking, And Drying Machine Operators And Tenders  
7840 .PRD—Food Batchmakers  
7850 .PRD—Food Cooking Machine Operators And Tenders  
7855 .PRD—Food Processing Workers, All Other  
7905 .PRD—Computer Numerically Controlled Tool Operators And Programmers  
7925 .PRD—Forming Machine Setters, Operators, And Tenders, Metal And Plastic  
7950 .PRD—Cutting, Punching, And Press Machine Setters, Operators, And Tenders, Metal And Plastic  
8000 .PRD—Grinding, Lapping, Polishing, And Buffing Machine Tool Setters, Operators, And Tenders, Metal And Plastic  
8025 .PRD—Other Machine Tool Setters, Operators, And Tenders, Metal And Plastic  
8030 .PRD—Machinists  
8040 .PRD—Metal Furnace Operators, Tenders, Pourers, And Casters  
8100 .PRD—Model Makers, Patternmakers, And Molding Machine Setters, Metal And Plastic  
8130 .PRD—Tool And Die Makers  
8140 .PRD—Welding, Soldering, And Brazing Workers  
8225 .PRD—Other Metal Workers And Plastic Workers  
8250 .PRD—Prepress Technicians And Workers  
8255 .PRD—Printing Press Operators  
8256 .PRD—Print Binding And Finishing Workers  
8300 .PRD—Laundry And Dry-Cleaning Workers  
8310 .PRD—Pressers, Textile, Garment, And Related Materials  
8320 .PRD—Sewing Machine Operators  
8335 .PRD—Shoe And Leather Workers  
8350 .PRD—Tailors, Dressmakers, And Sewers  
8365 .PRD—Textile Machine Setters, Operators, And Tenders  
8450 .PRD—Upholsterers  
8465 .PRD—Other Textile, Apparel, And Furnishings Workers  
8500 .PRD—Cabinetmakers And Bench Carpenters  
8510 .PRD—Furniture Finishers  
8530 .PRD—Sawing Machine Setters, Operators, And Tenders, Wood
<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 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-Packing 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>
</tr>
<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>
</tr>
<tr>
<td>8930</td>
<td>PRD-Paper Goods Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>8940</td>
<td>PRD-Tire Builders</td>
</tr>
<tr>
<td>8950</td>
<td>PRD-Helpers--Production Workers</td>
</tr>
<tr>
<td>8990</td>
<td>PRD-Miscellaneous Production Workers, Including Equipment Operators And Tenders</td>
</tr>
<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>
</tr>
<tr>
<td>9122</td>
<td>TRN-Bus Drivers, Transit And Intercity</td>
</tr>
<tr>
<td>9130</td>
<td>TRN-Driver/Sales Workers And Truck Drivers</td>
</tr>
<tr>
<td>9141</td>
<td>TRN-Shuttle Drivers And Chauffeurs</td>
</tr>
<tr>
<td>9142</td>
<td>TRN-Taxi Drivers</td>
</tr>
<tr>
<td>9150</td>
<td>TRN-Motor Vehicle Operators, All Other</td>
</tr>
<tr>
<td>9210</td>
<td>TRN-Locomotive Engineers And Operators</td>
</tr>
<tr>
<td>9240</td>
<td>TRN-Railroad Conductors And Yardmasters</td>
</tr>
<tr>
<td>9265</td>
<td>TRN-Other Rail Transportation Workers</td>
</tr>
<tr>
<td>9300</td>
<td>TRN-Sailors And Marine Oilers, And Ship Engineers</td>
</tr>
<tr>
<td>9310</td>
<td>TRN-Ship And Boat Captains And Operators</td>
</tr>
<tr>
<td>9350</td>
<td>TRN-Parking Attendants</td>
</tr>
<tr>
<td>9365</td>
<td>TRN-Transportation Service Attendants</td>
</tr>
<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>
</tr>
<tr>
<td>Code</td>
<td>TRN</td>
</tr>
<tr>
<td>-------</td>
<td>----------------------</td>
</tr>
<tr>
<td>9510</td>
<td>.TRN-Crane And Tower Operators</td>
</tr>
<tr>
<td>9570</td>
<td>.TRN-Conveyor, Dredge, And Hoist and Winch Operators</td>
</tr>
<tr>
<td>9600</td>
<td>.TRN-Industrial Truck And Tractor Operators</td>
</tr>
<tr>
<td>9610</td>
<td>.TRN-Cleaners Of Vehicles And Equipment</td>
</tr>
<tr>
<td>9620</td>
<td>.TRN-Laborers And Freight, Stock, And Material Movers, Hand</td>
</tr>
<tr>
<td>9630</td>
<td>.TRN-Machine Feeders And Offbearers</td>
</tr>
<tr>
<td>9640</td>
<td>.TRN-Packers And Packagers, Hand</td>
</tr>
<tr>
<td>9645</td>
<td>.TRN-Stockers And Order Fillers</td>
</tr>
<tr>
<td>9650</td>
<td>.TRN-Pumping Station Operators</td>
</tr>
<tr>
<td>9720</td>
<td>.TRN-Refuse And Recyclable Material Collectors</td>
</tr>
<tr>
<td>9760</td>
<td>.TRN-Other Material Moving Workers</td>
</tr>
<tr>
<td>9800</td>
<td>.MIL-Military Officer Special And Tactical Operations Leaders</td>
</tr>
<tr>
<td>9810</td>
<td>.MIL-First-Line Enlisted Military Supervisors</td>
</tr>
<tr>
<td>9825</td>
<td>.MIL-Military Enlisted Tactical Operations And Air/Weapons Specialists And Crew Members</td>
</tr>
<tr>
<td>9830</td>
<td>.MIL-Military, Rank Not Specified</td>
</tr>
<tr>
<td>9920</td>
<td>.Unemployed, With No Work Experience In The Last 5 Years Or Earlier Or Never Worked</td>
</tr>
</tbody>
</table>

**PAOC**

**Character 1**

Presence and age of own children

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>b .N/A</td>
<td>(male/female under 16 years old/GQ)</td>
</tr>
<tr>
<td>1 .Females with own children under 6 years only</td>
<td></td>
</tr>
<tr>
<td>2 .Females with own children 6 to 17 years only</td>
<td></td>
</tr>
<tr>
<td>3 .Females with own children under 6 years and 6 to 17 years</td>
<td></td>
</tr>
<tr>
<td>4 .Females with no own children</td>
<td></td>
</tr>
</tbody>
</table>

**PERNP**

**Numeric 7**

Total person's earnings (use ADJINC to adjust to constant dollars)

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
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</thead>
<tbody>
<tr>
<td>bbbbbbb</td>
<td>.N/A (less than 16 years old)</td>
</tr>
<tr>
<td>0</td>
<td>.No earnings</td>
</tr>
<tr>
<td>-10000</td>
<td>.Loss of $10000 or more (Rounded and bottom-coded components)</td>
</tr>
<tr>
<td>-9999..-1</td>
<td>.Loss $1 to $9999 (Rounded components)</td>
</tr>
<tr>
<td>1..1999998</td>
<td>.$1 to $1999998 (Rounded and top-coded components)</td>
</tr>
</tbody>
</table>

**PINCP**

**Numeric 7**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>bbbbbbb</td>
<td>.N/A (less than 15 years old)</td>
</tr>
<tr>
<td>0</td>
<td>.None</td>
</tr>
<tr>
<td>-19998</td>
<td>.Loss of $19998 or more (Rounded and bottom-coded components)</td>
</tr>
<tr>
<td>-19997..-1</td>
<td>.Loss $1 to $19997 (Rounded components)</td>
</tr>
<tr>
<td>1..4209995</td>
<td>.$1 to $4209995 (Rounded and top-coded components)</td>
</tr>
</tbody>
</table>

**POBP**

**Character 3**

Place of birth (Recode)

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>.Alabama/AL</td>
</tr>
<tr>
<td>002</td>
<td>.Alaska/AK</td>
</tr>
<tr>
<td>004</td>
<td>.Arizona/AZ</td>
</tr>
<tr>
<td>005</td>
<td>.Arkansas/AR</td>
</tr>
<tr>
<td>006</td>
<td>.California/CA</td>
</tr>
</tbody>
</table>

97
370 .Peru
372 .Uruguay
373 .Venezuela
374 .South America
399 .Americas, Not Specified
400 .Algeria
407 .Cameroon
408 .Cabo Verde
412 .Congo
414 .Egypt
416 .Ethiopia
417 .Eritrea
420 .Gambia
421 .Ghana
423 .Guinea
425 .Ivory Coast
427 .Kenya
429 .Liberia
430 .Libya
436 .Morocco
440 .Nigerian
442 .Rwanda
443 .Senegal
447 .Sierra Leone
448 .Somalia
449 .South Africa
451 .Sudan
453 .Tanzania
454 .Togo
456 .Tunisia
457 .Uganda
459 .Democratic Republic of Congo (Zaire)
460 .Zambia
461 .Zimbabwe
462 .Africa
463 .South Sudan
464 .Northern Africa, Not Specified
467 .Western Africa, Not Specified
468 .Other Africa, Not Specified
469 .Eastern Africa, Not Specified
501 .Australia
508 .Fiji
511 .Marshall Islands
512 .Micronesia
515 .New Zealand
523 .Tonga
527 .Samoa
554 .Other US Island Areas, Oceania, Not Specified, or at Sea

POVPIP  Numeric  3
Income-to-poverty ratio recode
bbb  .N/A
0..500  .Below 501 percent
501  .501 percent or more

POWPUMA  Character  5
Place of work PUMA based on 2010 Census definition
.N/A (not a worker—not in the labor force, force, including persons under 16 years; unemployed; civilian employed, with a job not at work; Armed Forces, with a job but not at work)

Did not work in the United States or in Puerto Rico

Assigned Place of work PUMA. Use with POWSP.

Character 3
Place of work - State or foreign country recode

.N/A (not a worker—not in the labor force, including persons under 16 years; unemployed; employed, with a job not at work; Armed Forces, with a job but not at work)

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

<table>
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<tr>
<th>PRIVCOV</th>
<th>Character 1</th>
<th>Private health insurance coverage recode</th>
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<tbody>
<tr>
<td></td>
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<table>
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<tr>
<td></td>
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<tr>
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<td>2</td>
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<td>July through September</td>
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<td></td>
<td>4</td>
<td>October through December</td>
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<td>Black or African American alone</td>
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<td>3</td>
<td>American Indian alone</td>
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<td></td>
<td>4</td>
<td>Alaska Native alone</td>
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<tr>
<td></td>
<td>5</td>
<td>American Indian and Alaska Native tribes specified; or American Indian or Alaska Native, not specified and no other races</td>
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<tr>
<td></td>
<td>6</td>
<td>Asian alone</td>
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<tr>
<td></td>
<td>7</td>
<td>Native Hawaiian and Other Pacific Islander alone</td>
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<tr>
<td></td>
<td>8</td>
<td>Some Other Race alone</td>
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<tr>
<td></td>
<td>9</td>
<td>Two or More Races</td>
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<td>Apache alone</td>
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<td>05</td>
<td>Cherokee alone</td>
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<td>06</td>
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<td></td>
<td>07</td>
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<td>Iroquois alone</td>
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<td>Lumbee alone</td>
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<td>17</td>
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<td>18</td>
<td>Pima alone</td>
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<td>19</td>
<td>Potawatomi alone</td>
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<td>34</td>
<td>Aleut alone</td>
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<td>35</td>
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<td>Nepalese alone</td>
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<td>Sri Lankan alone</td>
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<td>Thai alone</td>
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<td>All combinations of Asian races only</td>
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<td>Guamanian or Chamorro alone</td>
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<td>64</td>
<td>Marshallese alone</td>
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</tbody>
</table>
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
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
### Standard Occupational Classification (SOC) codes for 2018 and later based on 2018 SOC codes

<table>
<thead>
<tr>
<th>SOC Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>1110XX</td>
<td>MGR-Chief Executives And Legislators</td>
</tr>
<tr>
<td>111021</td>
<td>MGR-General And Operations Managers</td>
</tr>
<tr>
<td>112011</td>
<td>MGR-Advertising And Promotions Managers</td>
</tr>
<tr>
<td>112021</td>
<td>MGR-Marketing Managers</td>
</tr>
<tr>
<td>112022</td>
<td>MGR-Sales Managers</td>
</tr>
<tr>
<td>112030</td>
<td>MGR-Public Relations And Fundraising Managers</td>
</tr>
<tr>
<td>113012</td>
<td>MGR-Administrative Services Managers</td>
</tr>
<tr>
<td>113013</td>
<td>MGR-Facilities Managers</td>
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<tr>
<td>113021</td>
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</tr>
<tr>
<td>113031</td>
<td>MGR-Financial Managers</td>
</tr>
<tr>
<td>113111</td>
<td>MGR-Compensation And Benefits Managers</td>
</tr>
<tr>
<td>113121</td>
<td>MGR-Human Resources Managers</td>
</tr>
<tr>
<td>113131</td>
<td>MGR-Training And Development Managers</td>
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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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<td>113071</td>
<td>MGR-Transportation, Storage, And Distribution Managers</td>
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<tr>
<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>MGR-Entertainment And Recreation Managers</td>
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<td>119081</td>
<td>MGR-Lodging Managers</td>
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<td>119111</td>
<td>MGR-Medical And Health Services Managers</td>
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<td>MGR-Natural Sciences Managers</td>
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<td>119141</td>
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<td>MGR-Social And Community Service Managers</td>
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<td>MGR-Emergency Management Directors</td>
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<td>MGR-Other Managers</td>
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<td>BUS-Agents And Business Managers Of Artists, Performers, And Athletes</td>
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<td>BUS-Buyers And Purchasing Agents, Farm Products</td>
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<td>BUS-Wholesale And Retail Buyers, Except Farm Products</td>
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<td>131023</td>
<td>BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products</td>
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<td>131030</td>
<td>BUS-Claims Adjusters, Appraisers, Examiners, And Investigators</td>
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<td>BUS-Compliance Officers</td>
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<td>BUS-Cost Estimators</td>
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<td>BUS-Logisticians</td>
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<td>131121</td>
<td>BUS-Meeting, Convention, And Event Planners</td>
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<td>131131</td>
<td>BUS-Fundraisers</td>
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<td>131141</td>
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<td>131151</td>
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<tr>
<td>131161</td>
<td>BUS-Market Research Analysts And Marketing Specialists</td>
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<tr>
<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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<tr>
<td>132020</td>
<td>FIN-Property Appraisers And Assessors</td>
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</table>
132031 .FIN-Budget Analysts
132041 .FIN-Credit Analysts
132051 .FIN-Financial And Investment Analysts
132052 .FIN-Personal Financial Advisors
132053 .FIN-Insurance Underwriters
132061 .FIN-Financial Examiners
132070 .FIN-Credit Counselors And Loan Officers
132081 .FIN-Tax Examiners And Collectors, And Revenue Agents
132082 .FIN-Tax Preparers
1320XX .FIN-Other Financial Specialists

151221 .CMM-Computer And Information Research Scientists
151211 .CMM-Computer Systems Analysts
151212 .CMM-Information Security Analysts
151251 .CMM-Computer Programmers
151252 .CMM-Software Developers
151253 .CMM-Software Quality Assurance Analysts And Testers
151254 .CMM-Web Developers
151255 .CMM-Web And Digital Interface Designers
151230 .CMM-Computer Support Specialists
15124X .CMM-Database Administrators And Architects
151244 .CMM-Network And Computer Systems Administrators
151241 .CMM-Computer Network Architects
151299 .CMM-Computer Occupations, All Other
152011 .CMM-Actuaries
152031 .CMM-Operations Research Analysts
1520XX .CMM-Other Mathematical Science Occupations
171011 .ENG-Architects, Except Landscape And Naval
171012 .ENG-Landscape Architects
171020 .ENG-Surveyors, Cartographers, And Photogrammetrists
172011 .ENG-Aerospace Engineers
1720XX .ENG-Biomedical And Agricultural Engineers
172041 .ENG-Chemical Engineers
172051 .ENG-Civil Engineers
172061 .ENG-Computer Hardware Engineers
172070 .ENG-Electrical And Electronics Engineers
172081 .ENG-Environmental Engineers
172110 .ENG-Industrial Engineers, Including Health And Safety
172121 .ENG-Marine Engineers And Naval Architects
172131 .ENG-Materials Engineers
172141 .ENG-Mechanical Engineers
1721XX .ENG-Petroleum, Mining And Geological Engineers, Including .Mining Safety Engineers
1721YY .ENG-Other Engineers
173011 .ENG-Architectural And Civil Drafters
17301X .ENG-Other Drafters
173023 .ENG-Electrical and Electronic Engineering Technologists .And Technicians
17302X .ENG-Other Engineering Technologists And Technicians, .Except Drafters
173031 .ENG-Surveying And Mapping Technicians
191010 .SCI-Agricultural And Food Scientists
191020 .SCI-Biological Scientists
191030 .SCI-Conservation Scientists And Foresters
1910XX .SCI-Other Life Scientists
192010 .SCI-Astronomers And Physicists
192021 .SCI-Atmospheric And Space Scientists
192030 .SCI-Chemists And Materials Scientists
192041 .SCI-Environmental Scientists And Specialists, Including .Health
19204X .SCI-Geoscientists And Hydrologists, Except Geographers
192099 .SCI-Physical Scientists, All Other
193011 .SCI-Economists
193033 .SCI-Clinical And Counseling Psychologists
193034 .SCI-School Psychologists
19303X .SCI-Other Psychologists
193051 .SCI-Urban And Regional Planners
1930XX .SCI-Other Social Scientists
194010 .SCI-Agricultural And Food Science Technicians
194021 .SCI-Biological Technicians
194031 .SCI-Chemical Technicians
1940XX .SCI-Environmental Science And Geoscience Technicians, And .Nuclear Technicians
1940YY .SCI-Other Life, Physical, And Social Science Technicians
195010 .SCI-Occupational Health And Safety Specialists And .Technicians
211011 .CMS-Substance Abuse And Behavioral Disorder Counselors
211012 .CMS-Educational, Guidance, And Career Counselors And .Advisors
211013 .CMS-Marriage And Family Therapists
211014 .CMS-Mental Health Counselors
211015 .CMS-Rehabilitation Counselors
211019 .CMS-Counselors, All Other
211021 .CMS-Child, Family, And School Social Workers
211022 .CMS-Healthcare Social Workers
211023 .CMS-Mental Health And Substance Abuse Social Workers
211029 .CMS-Social Workers, All Other
211092 .CMS-Probation Officers And Correctional Treatment .Specialists
211093 .CMS-Social And Human Service Assistants
21109X .CMS-Other Community And Social Service Specialists
212011 .CMS-Clergy
212021 .CMS-Directors, Religious Activities And Education
212099 .CMS-Religious Workers, All Other
2310XX .LGL-Lawyers, And Judges, Magistrates, And Other Judicial .Workers
231012 .LGL-Judicial Law Clerks
232011 .LGL-Paralegals And Legal Assistants
232093 .LGL-Title Examiners, Abstractors, And Searchers
232099 .LGL-Legal Support Workers, All Other
251000 .EDU-Postsecondary Teachers
252010 .EDU-Pre-school 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>.ENT-Umpires, Referees, And Other Sports Officials</td>
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352010 .EAT-Cooks
352021 .EAT-Food Preparation Workers
353011 .EAT-Bartenders
353023 .EAT-Fast Food And Counter Workers
353031 .EAT-Waiters And Waitresses
353041 .EAT-Food Servers, Nonrestaurant
359011 .EAT-Dining Room And Cafeteria Attendants And Bartender Helpers
359021 .EAT-Dishwashers
359031 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee Shop
359099 .EAT-Food Preparation And Serving Related Workers, All Other
371011 .CLN-First-Line Supervisors Of Housekeeping And Janitorial Workers
371012 .CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers
37201X .CLN-Janitors And Building Cleaners
372012 .CLN-Maids And Housekeeping Cleaners
372021 .CLN-Pest Control Workers
373011 .CLN-Landscaping And Groundskeeping Workers
373013 .CLN-Tree Trimmers And Pruners
37301X .CLN-Other Grounds Maintenance Workers
391000 .PRS-Supervisors of Personal Care And Service Workers
392011 .PRS-Animal Trainers
392021 .PRS-Animal Caretakers
393010 .PRS-Gambling Services Workers
393031 .PRS-Ushers, Lobby Attendants, And Ticket Takers
3930XX .PRS-Other Entertainment Attendants And Related Workers
394031 .PRS-Morticians, Undertakers, And Funeral Arrangers
3940XX .PRS-Embalmers, Crematory Operators And Funeral Attendants
395011 .PRS-Barbers
395012 .PRS-Hairdressers, Hairstylists, And Cosmetologists
395092 .PRS-Manicurists and Pedicurists
395094 .PRS-Skincare Specialists
39509X .PRS-Other Personal Appearance Workers
396010 .PRS-Baggage Porters, Bellhops, And Concierges
397010 .PRS-Tour And Travel Guides
399011 .PRS-Childcare Workers
399031 .PRS-Exercise Trainers And Group Fitness Instructors
399032 .PRS-Recreation Workers
399041 .PRS-Residential Advisors
399099 .PRS-Personal Care And Service Workers, All Other
411011 .SAL-First-Line Supervisors Of Retail Sales Workers
411012 .SAL-First-Line Supervisors Of Non-Retail Sales Workers
412010 .SAL-Cashiers
412021 .SAL-Counter And Rental Clerks
412022 .SAL-Parts Salespersons
412031 .SAL-Retail Salespersons
413011 .SAL-Advertising Sales Agents
413021 .SAL-Insurance Sales Agents
413031 .SAL-Securities, Commodities, And Financial Services Sales Agents
413041 .SAL-Travel Agents
413091 .SAL-Sales Representatives Of Services, Except Advertising, Insurance, Financial Services, And Travel
414010 .SAL-Sales Representatives, Wholesale And Manufacturing
419010 .SAL-Models, Demonstrators, And Product Promoters
419020 .SAL-Real Estate Brokers And Sales Agents
419031 .SAL-Sales Engineers
419041 .SAL-Telemarketers
419091 .SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers
419099 .SAL-Sales And Related Workers, All Other
430111 .OFF-First-Line Supervisors Of Office And Administrative Support Workers
432011 .OFF-Switchboard Operators, Including Answering Service
432012 .OFF-Telephone Operators
432099 .OFF-Communications Equipment Operators, All Other
433011 .OFF-Bill And Account Collectors
433021 .OFF-Billing And Posting Clerks
433031 .OFF-Bookkeeping, Accounting, And Auditing Clerks
433051 .OFF-Payroll And Timekeeping Clerks
433061 .OFF-Procurement Clerks
433071 .OFF-Tellers
4330XX .OFF-Other Financial Clerks
434031 .OFF-Court, Municipal, And License Clerks
434041 .OFF-Credit Authorizers, Checkers, And Clerks
434051 .OFF-Customer Service Representatives
434061 .OFF-Eligibility Interviewers, Government Programs
434071 .OFF-File Clerks
434081 .OFF-Hotel, Motel, And Resort Desk Clerks
434111 .OFF-Interviewers, Except Eligibility And Loan
434121 .OFF-Library Assistants, Clerical
434131 .OFF-Loan Interviewers And Clerks
434141 .OFF-New Accounts Clerks
434XXX .OFF-Correspondence Clerks And Order Clerks
434161 .OFF-Human Resources Assistants, Except Payroll And Timekeeping
434171 .OFF-Receptionists And Information Clerks
434181 .OFF-Reservation And Transportation Ticket Agents And Travel Clerks
434YYY .OFF-Other Information And Records Clerks
435011 .OFF-Cargo And Freight Agents
435021 .OFF-Couriers And Messengers
435031 .OFF-Public Safety Telecommunicators
435032 .OFF-Dispatchers, Except Police, Fire, And Ambulance
435041 .OFF-Meter Readers, Utilities
435051 .OFF-Postal Service Clerks
435052 .OFF-Postal Service Mail Carriers
435053 .OFF-Postal Service Mail Sorters, Processors, And Processing Machine Operators
435061 .OFF-Production, Planning, And Expediting Clerks
435071 .OFF-Shipping, Receiving, And Inventory Clerks
435111 .OFF-Weighers, Measurers, Checkers, And Samplers, Recordkeeping
436011 .OFF-Executive Secretaries And Executive Administrative Assistants
436012 .OFF-Legal Secretaries And Administrative Assistants
436013 .OFF-Medical Secretaries And Administrative Assistants
436014 .OFF-Secretaries And Administrative Assistants, Except Legal, Medical, And Executive
439021 .OFF-Data Entry Keyers
439022 .OFF-Word Processors And Typists

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<td>OFF-Office Clerks, General</td>
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<td>OFF-Office Machine Operators, Except Computer</td>
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<td>CON-Carpenters</td>
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514033 .PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool Setters, Operators, And Tenders, Metal and Plastic
51403X .PRD-Other Machine Tool Setters, Operators, And Tenders, Metal And Plastic
514041 .PRD-Machinists
514050 .PRD-Metal Furnace Operators, Tenders, Pourers, And Casters
5140XX .PRD-Model Makers, Patternmakers, And Molding Machine Setters, Metal And Plastic
514111 .PRD-Tool And Die Makers
514120 .PRD-Welding, Soldering, And Brazing Workers
514XXX .PRD-Other Metal Workers And Plastic Workers
515111 .PRD-Prepress Technicians And Workers
515112 .PRD-Printing Press Operators
515113 .PRD-Print Binding And Finishing Workers
516011 .PRD-Laundry And Dry-Cleaning Workers
516021 .PRD-Pressers, Textile, Garment, And Related Materials
516031 .PRD-Sewing Machine Operators
516040 .PRD-Shoe And Leather Workers
516050 .PRD-Tailors, Dressmakers, And Sewers
516060 .PRD-Textile Machine Setters, Operators, And Tenders
516093 .PRD-Upholsterers
51609X .PRD-Other Textile, Apparel, And Furnishings Workers
517011 .PRD-Cabinetmakers And Bench Carpenters
517021 .PRD-Furniture Finishers
517041 .PRD-Sawing Machine Setters, Operators, And Tenders, Wood
517042 .PRD-Woodworking Machine Setters, Operators, And Tenders, Except Sawing
5170XX .PRD-Other Woodworkers
518010 .PRD-Power Plant Operators, Distributors, And Dispatchers
518021 .PRD-Stationary Engineers And Boiler Operators
518031 .PRD-Water And Wastewater Treatment Plant And System Operators
518090 .PRD-Miscellaneous Plant And System Operators
519010 .PRD-Chemical Processing Machine Setters, Operators, And Tenders
519020 .PRD-Crushing, Grinding, Polishing, Mixing, And Blending Workers
519030 .PRD-Cutting Workers
519041 .PRD-Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders
519051 .PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders
519061 .PRD-Inspectors, Testers, Sorters, Samplers, And Weighers
519071 .PRD-Jewelers And Precious Stone And Metal Workers
519080 .PRD-Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians
519111 .PRD-Packaging And Filling Machine Operators And Tenders
519120 .PRD-Painting Workers
519151 .PRD-Photographic Process Workers And Processing Machine Operators
519191 .PRD-Adhesive Bonding Machine Operators And Tenders
519194 .PRD-Etchers And Engravers
519195 .PRD-Molders, Shapers, And Casters, Except Metal And Plastic
519196 .PRD-Paper Goods Machine Setters, Operators, And Tenders
519197 .PRD-Tire Builders
519198 .PRD-Helpers--Production Workers
5191XX .PRD-Miscellaneous Production Workers, Including Equipment
  Operators and Tenders
531000 .TRN-Supervisors Of Transportation And Material Moving Workers
532010 .TRN-Aircraft Pilots And Flight Engineers
532020 .TRN-Air Traffic Controllers And Airfield Operations Specialists
532031 .TRN-Flight Attendants
533011 .TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians
533051 .TRN-Bus Drivers, School
533052 .TRN-Bus Drivers, Transit And Intercity
533030 .TRN- Driver/Sales Workers And Truck Drivers
533053 .TRN-Shuttle Drivers and Chauffeurs
533054 .TRN-Taxi Drivers
533099 .TRN-Motor Vehicle Operators, All Other
534010 .TRN-Locomotive Engineers And Operators
534031 .TRN-Railroad Conductors And Yardmasters
5340XX .TRN-Other Rail Transportation Workers
5350XX .TRN-Sailors And Marine Oilers, And Ship Engineers
535020 .TRN-Ship And Boat Captains And Operators
536021 .TRN-Parking Attendants
536030 .TRN-Transportation Service Attendants
536051 .TRN-Transportation Inspectors
536061 .TRN-Passenger Attendants
5360XX .TRN-Other Transportation Workers
537021 .TRN-Crane And Tower Operators
5370XX .TRN-Conveyor, Dredge, And Hoist And Winch Operators
537051 .TRN-Industrial Truck And Tractor Operators
537061 .TRN-Cleaners Of Vehicles And Equipment
537062 .TRN-Laborers And Freight, Stock, And Material Movers, Hand
537063 .TRN-Machine Feeders And Offbearers
537064 .TRN-Packers And Packagers, Hand
537065 .TRN-Stockers And Order Fillers
537070 .TRN-Pumping Station Operators
537081 .TRN-Refuse And Recyclable Material Collectors
5371XX .TRN-Other Material Moving Workers
551010 .MIL-Military Officer Special And Tactical Operations Leaders
552010 .MIL-First-Line Enlisted Military Supervisors
553010 .MIL-Military Enlisted Tactical Operations And Air/Weapons Specialists And Crew Members
559830 .MIL-Military, Rank Not Specified
999920 .Unemployed, With No Work Experience In The Last 5 Years Or Earlier Or Never Worked

VPS

Character 2
Veteran period of service
bb .N/A (less than 17 years old, no active duty)
01 .Gulf War: 9/2001 or later
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)

Age allocation flag
0. No
1. Yes

Ancestry allocation flag
0. No
1. Yes

Citizenship allocation flag
0. No
1. Yes

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

Class of worker allocation flag
0. No
1. Yes

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

FHI1SP    Character   1
Detailed Hispanic origin allocation flag
0 .No
1 .Yes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PERSON RECORD-REPLICATE WEIGHTS

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

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

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

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

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

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

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

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
-9999..9999  .Integer weight of person

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

PWGTP16 Numeric  5  
Person's Weight replicate 16
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PWGTP18 Numeric  5  
Person's Weight replicate 18
-9999..9999  .Integer weight of person

PWGTP19 Numeric  5  
Person's Weight replicate 19
-9999..9999  .Integer weight of person

PWGTP20 Numeric  5  
Person's Weight replicate 20
-9999..9999  .Integer weight of person

PWGTP21 Numeric  5  
Person's Weight replicate 21
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