2013-2017 ACS PUMS DATA DICTIONARY
January 17, 2019

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
2013000000001..2017999999999 .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
10 .Delaware/DE
11 .District of Columbia/DC
12 .Florida/FL
13 .Georgia/GA
15 .Hawaii/HI
16 .Idaho/ID
17 .Illinois/IL
18 .Indiana/IN
19 .Iowa/IA
20 .Kansas/KS
21 .Kentucky/KY
22 .Louisiana/LA
23 .Maine/ME
24 .Maryland/MD
25 .Massachusetts/MA
26 .Michigan/MI
27 .Minnesota/MN
28 .Mississippi/MS
29 .Missouri/MO
30 .Montana/MT
31 .Nebraska/NE
32 .Nevada/NV
33 .New Hampshire/NH
34 .New Jersey/NJ
35 .New Mexico/NM
36 .New York/NY
37 .North Carolina/NC
38 .North Dakota/ND
39 .Ohio/OK
40 .Oklahoma/OK
41 .Oregon/OR
42 .Pennsylvania/PA
44 .Rhode Island/RI
45 .South Carolina/SC
46 .South Dakota/SD
47 .Tennessee/TN
48 .Texas/TX
49 .Utah/UT
50 .Vermont/VT
51 .Virginia/VA
53 .Washington/WA
54 .West Virginia/WV
55 .Wisconsin/WI
56 .Wyoming/WY
72 .Puerto Rico/PR

ADJHSG  Character  7
Adjustment factor for housing dollar amounts (6 implied decimal places)
1054015 .2013 factor
1036463 .2014 factor
1034680 .2015 factor
1021505 .2016 factor
1000000 .2017 factor

ADJINC  Character  7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)
1061971 .2013 factor (1.007549 * 1.05401460)
1045195 .2014 factor (1.008425 * 1.03646282)
1035988 .2015 factor (1.001264 * 1.03468042)
1029257 .2016 factor (1.007588 * 1.02150538)
1011189 .2017 factor (1.011189 * 1.00000000)

WGTP  Numeric  5
Housing Unit Weight
00000 .Group Quarter placeholder record
00001..09999 .Integer weight of housing unit

NP  Numeric  2
Number of persons associated with this housing record
00 .Vacant unit
01 .One person record (one person in household or any person
 .in group quarters)
02..20 .Number of person records (number of persons in household)

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

HOUSING RECORD-HOUSING UNIT VARIABLES

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

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

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

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

**BDSP**  
**Numeric 2**  
Number of bedrooms
bk .N/A (GQ)
00..99 .0 to 99 bedrooms (Top-coded)

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

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

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

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

**CONP**  
**Numeric 4**  
Condo fee (monthly amount, use ADJHSG to adjust CONP to constant dollars)
bbbbb .N/A (GQ/vacant units/not owned or being bought)
0000 .Not condo
0001..9999 .$1 - $9999 (Rounded and top-coded)

**DIALUP**  
**Character 1**  
Dial-up service
bk .N/A (GQ/vacant/no paid access to the internet)
1 .Yes
2 .No
<table>
<thead>
<tr>
<th>Variable</th>
<th>Type</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ELEP</strong></td>
<td>Numeric</td>
<td>3</td>
<td>Electricity (monthly cost, use ADJHSG to adjust values 3 and over to constant dollars)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>bbb  .N/A (GQ/vacant)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>001</td>
<td>.Included in rent or in condo fee</td>
</tr>
<tr>
<td></td>
<td></td>
<td>002</td>
<td>.No charge or electricity not used</td>
</tr>
<tr>
<td></td>
<td></td>
<td>003..999</td>
<td>$.3 to $999 (Rounded and top-coded)</td>
</tr>
<tr>
<td><strong>FS</strong></td>
<td>Character</td>
<td>1</td>
<td>Yearly food stamp/Snap (SNAP) reciency</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b  .N/A (vacant)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>.Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>.No</td>
</tr>
<tr>
<td><strong>FULP</strong></td>
<td>Numeric</td>
<td>4</td>
<td>Fuel cost (yearly cost for fuels other than gas and electricity, use ADJHSG to adjust values 3 and over to constant dollars)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>bbbbb  .N/A (GQ/vacant)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0001</td>
<td>.Included in rent or in condo fee</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0002</td>
<td>.No charge or these fuels not used</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0003..999</td>
<td>$.3 to $999 (Rounded and top-coded)</td>
</tr>
<tr>
<td><strong>GASP</strong></td>
<td>Numeric</td>
<td>3</td>
<td>Gas (monthly cost, use ADJHSG to adjust GASP values 4 and over to constant dollars)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>bbb  .N/A (GQ/vacant)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>001</td>
<td>.Included in rent or in condo fee</td>
</tr>
<tr>
<td></td>
<td></td>
<td>002</td>
<td>.Included in electricity payment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>003</td>
<td>.No charge or gas not used</td>
</tr>
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<td></td>
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<td>004..999</td>
<td>$.4 to $999 (Rounded and top-coded)</td>
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<tr>
<td><strong>HFL</strong></td>
<td>Numeric</td>
<td>1</td>
<td>House heating fuel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b  .N/A (GQ/vacant)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>.Utility gas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>.Bottled, tank, or LP gas</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3</td>
<td>.Electricity</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>.Fuel oil, kerosene, etc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5</td>
<td>.Coal or coke</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6</td>
<td>.Wood</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7</td>
<td>.Solar energy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8</td>
<td>.Other fuel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9</td>
<td>.No fuel used</td>
</tr>
<tr>
<td><strong>HISPEED</strong></td>
<td>Character</td>
<td>1</td>
<td>Broadband (high speed) Internet service such as cable, fiber optic, or DSL service</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b  .N/A (GQ/vacant/no paid access to the internet)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>.Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2</td>
<td>.No</td>
</tr>
<tr>
<td><strong>HOTWAT</strong></td>
<td>Character</td>
<td>1</td>
<td>Water heater (Puerto Rico only)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b  .N/A (GQ)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1</td>
<td>.Yes</td>
</tr>
</tbody>
</table>
Case is from the United States or collected in 2013, HOTWAT not applicable

<table>
<thead>
<tr>
<th>INSP</th>
<th>Numeric</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire/hazard/flood insurance (yearly amount, yearly amount, use ADJHSG to adjust INSP to constant dollars)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>bbbbbb</td>
<td>N/A (GQ/vacant/not owned or being bought)</td>
<td></td>
</tr>
<tr>
<td>00000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>00001.10000</td>
<td>$1 to $10000 (Rounded and top-coded)</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>LAPTOP</th>
<th>Character</th>
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</thead>
<tbody>
<tr>
<td>Laptop or desktop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b .N/A (GQ/vacant)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 .Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 .No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MHP</th>
<th>Numeric</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobile home costs (yearly amount, use ADJHSG to adjust MHP to constant dollars)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>bbbbbb</td>
<td>N/A (GQ/vacant/not owned or being bought/not mobile home)</td>
<td></td>
</tr>
<tr>
<td>00000</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>00001.99999</td>
<td>$1 to $99999 (Rounded and top-coded)</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>MRGI</th>
<th>Character</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>First mortgage payment includes fire/hazard/flood insurance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b .N/A (GQ/vacant/not owned or being bought/not mortgaged)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 .Yes, insurance included in payment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 .No, insurance paid separately or no insurance</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MRGP</th>
<th>Numeric</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>First mortgage payment (monthly amount, use ADJHSG to adjust MRGP to constant dollars)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>bbbbbb</td>
<td>N/A (GQ/vacant/not owned or being bought/not mortgaged)</td>
<td></td>
</tr>
<tr>
<td>00001.99999</td>
<td>$1 to $99999 (Rounded and top-coded)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MRGT</th>
<th>Character</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>First mortgage payment includes real estate taxes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b .N/A (GQ/vacant/not owned or being bought/not mortgaged)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 .Yes, taxes included in payment</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 .No, taxes paid separately or taxes not required</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MRGX</th>
<th>Character</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>First mortgage status</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b .N/A (GQ/vacant/not owned or being bought)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 .Mortgage, deed of trust, or similar debt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 .Contract to purchase</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 .None</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OTHSVCEX</th>
<th>Character</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other Internet service</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b .N/A (GQ/vacant/no paid access to the internet)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 .Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 .No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
REFR Character 1
Refrigerator
b .N/A (GQ)
1 .Yes
2 .No

RMSP Numeric 2
Number of Rooms
bb .N/A (GQ)
00..99 .Rooms (Top-coded)

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

RNTP Numeric 5
Monthly rent (use ADJHSG to adjust RNTP to constant dollars)
bbbbbb .N/A (GQ/vacant units, except "for rent" and "rented, not occupied"/owned or being bought/occupied without rent payment)
00001..99999 .$1 to $99999 (Rounded and top-coded)

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

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

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

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

SMARTPHONE Character 1
Smartphone
b .N/A (GQ/vacant)
1 .Yes
2 .No
SMP  Numeric  5
Total payment on all second and junior mortgages and home equity loans
(monthly amount, use ADJHSG to adjust SMP to constant dollars)
bbbbb .N/A (GQ/vacant/not owned or being bought/ no second
.or junior mortgages or home equity loans)
00001..99999 .$1 to $99999 (Rounded and top-coded)

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

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

TEL  Character  1
Telephone service
 b .N/A (GQ/vacant)
 1 .Yes
 2 .No
 8 .Suppressed for data years 2015 and 2016 for selected PUMAs

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

TOIL  Character  1
Flush toilet
 b .N/A (GQ)
 1 .Yes
 2 .No
 9 .Case is from 2016 or later

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
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

WATP  Numeric  4  
Water (yearly cost, use ADJHSG to adjust WATP values 3 and over to constant dollars) 
  bbb .N/A (GQ/vacant) 
  0001 .Included in rent or in condo fee 
  0002 .No charge 
  0003..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

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

FINCP Numeric 8
Family income (past 12 months, use ADJINC to adjust FINCP to constant dollars)
  bbbbbbbb .N/A (GQ/vacant)
  00000000 .No family income
  -005999 .Loss of $59,999 or more
  -005998..-0000001 .Loss of $1 to $59,998
  00000001 .$1 or Break even
  00000002..99999999 .Total family income in dollars (Components are rounded)

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

GRNTP Numeric 5
Gross rent (monthly amount, use ADJHSG to adjust GRNTP to constant dollars)
  bbbbb .N/A (GQ/vacant/owned or being bought/occupied without rent payment)
  00001..99999 .$1 - $99999 (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)
  001..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

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

**HINCP**  **Numeric 8**
Household income (past 12 months, use ADJINC to adjust HINCP to constant dollars)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>-000000</td>
<td>No household income</td>
</tr>
<tr>
<td>-005999</td>
<td>Loss of $59,999 or more</td>
</tr>
<tr>
<td>-005998..-000001</td>
<td>Loss of $1 to $59,998</td>
</tr>
<tr>
<td>00000001</td>
<td>$1 or Break even</td>
</tr>
<tr>
<td>00000002..99999999</td>
<td>Total household income in dollars (Components are rounded)</td>
</tr>
</tbody>
</table>

**HUGCL**  **Character 1**
Household with grandparent living with grandchildren

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Household without grandparent living with grandchildren</td>
</tr>
<tr>
<td>1</td>
<td>Householder with grandparent living with grandchildren</td>
</tr>
</tbody>
</table>

**HUPAC**  **Character 1**
HH presence and age of children

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1</td>
<td>With children under 6 years only</td>
</tr>
<tr>
<td>2</td>
<td>With children 6 to 17 years only</td>
</tr>
<tr>
<td>3</td>
<td>With children under 6 years and 6 to 17 years</td>
</tr>
<tr>
<td>4</td>
<td>No children</td>
</tr>
</tbody>
</table>

**HUPAOC**  **Character 1**
HH presence and age of own children

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1</td>
<td>Presence of own children under 6 years only</td>
</tr>
<tr>
<td>2</td>
<td>Presence of own children 6 to 17 years only</td>
</tr>
<tr>
<td>3</td>
<td>Presence of own children under 6 years and 6 to 17 years</td>
</tr>
<tr>
<td>4</td>
<td>No own children present</td>
</tr>
</tbody>
</table>

**HUPARC**  **Character 1**
HH presence and age of related children

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>1</td>
<td>Presence of related children under 6 years only</td>
</tr>
<tr>
<td>2</td>
<td>Presence of related children 6 to 17 years only</td>
</tr>
<tr>
<td>3</td>
<td>Presence of related children under 6 years and 6 to 17 years</td>
</tr>
<tr>
<td>4</td>
<td>No related children present</td>
</tr>
</tbody>
</table>

**KIT**  **Character 1**
Complete kitchen facilities

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A (GQ)</td>
</tr>
<tr>
<td>1</td>
<td>Yes, has stove or range, refrigerator, and sink with a faucet</td>
</tr>
<tr>
<td>2</td>
<td>No</td>
</tr>
</tbody>
</table>

**LNGI**  **Character 1**
Limited English speaking household

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>N/A (GQ/vacant)</td>
</tr>
</tbody>
</table>
At least one person in the household 14 and over speaks English only or speaks English 'very well'

No one in the household 14 and over speaks English only or speaks English 'very well'

Multigenerational Household

1. No, not a multigenerational household
2. Yes, is a multigenerational household

When moved into this house or apartment

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

Number of own children in household (unweighted)

0. No own children
1. 1 or more own children

Number of persons in family (unweighted)

0. No persons in family
1. 1 or more persons in family

Grandparent headed household with no parent present

0. Not a grandparent headed household with no parent present
1. Grandparent headed household with no parent present

Presence of nonrelative in household

0. None
1. 1 or more nonrelatives

Number of related children in household (unweighted)

0. No related children
1. 1 or more related children

Selected monthly owner costs as a percentage of household income during the past 12 months

0. N/A (GQ/vacant/not owned or being bought/no household income)
PARTNER  Character  1
Unmarried partner household
b .N/A (GQ/vacant)
0 .No unmarried partner in household
1 .Male householder, male partner
2 .Male householder, female partner
3 .Female householder, female partner
4 .Female householder, male partner

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

PLMPRP  Character  1
Complete plumbing facilities for Puerto Rico
b .N/A (GQ)
1 .Yes, has running water, and a bathtub or shower
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)

<table>
<thead>
<tr>
<th>Values</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>00000</td>
<td>None</td>
</tr>
<tr>
<td>00001..99999</td>
<td>$1 - $99999 (Components are rounded)</td>
</tr>
</tbody>
</table>

**SMX**

**Character 1**
Second or junior mortgage or home equity loan status

<table>
<thead>
<tr>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant/not owned or being bought)</td>
</tr>
<tr>
<td>1</td>
<td>Yes, a second mortgage</td>
</tr>
<tr>
<td>2</td>
<td>Yes, a home equity loan</td>
</tr>
<tr>
<td>3</td>
<td>No</td>
</tr>
<tr>
<td>4</td>
<td>Both a second mortgage and a home equity loan</td>
</tr>
</tbody>
</table>

**SRNT**

**Character 1**
Specified rental unit

<table>
<thead>
<tr>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant units, except &quot;for rent&quot; and &quot;rented, not occupied&quot;/owned or being bought)</td>
</tr>
<tr>
<td>0</td>
<td>A single-family home on 10 or more acres</td>
</tr>
<tr>
<td>1</td>
<td>A single-family home on less than 10 acres or any other type of building, including mobile homes, with no regard to acreage.</td>
</tr>
</tbody>
</table>

**SSMC**

**Character 1**
Same-sex married couple households

<table>
<thead>
<tr>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant)</td>
</tr>
<tr>
<td>0</td>
<td>Households without a same-sex married couple</td>
</tr>
<tr>
<td>1</td>
<td>Same-sex married-couple household where not all relevant data shown as reported</td>
</tr>
<tr>
<td>2</td>
<td>All other same-sex married-couple households</td>
</tr>
</tbody>
</table>

**SVAL**

**Character 1**
Specified owner unit

<table>
<thead>
<tr>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant units, except &quot;for sale only&quot; and &quot;sold, not occupied&quot;/not owned or being bought)</td>
</tr>
<tr>
<td>0</td>
<td>A single family home on 10 or more acres or any other type of building, including mobile homes, with no regard to acreage.</td>
</tr>
<tr>
<td>1</td>
<td>A single family home on less than 10 acres.</td>
</tr>
</tbody>
</table>

**TAXP**

**Character 2**
Property taxes (yearly amount, no adjustment factor is applied)

<table>
<thead>
<tr>
<th>Values</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>N/A (GQ/vacant/not owned or being bought)</td>
</tr>
<tr>
<td>01</td>
<td>None</td>
</tr>
<tr>
<td>02</td>
<td>.$ 1 - $ 49</td>
</tr>
<tr>
<td>03</td>
<td>.$ 50 - $ 99</td>
</tr>
<tr>
<td>04</td>
<td>.$ 100 - $ 149</td>
</tr>
<tr>
<td>05</td>
<td>.$ 150 - $ 199</td>
</tr>
<tr>
<td>06</td>
<td>.$ 200 - $ 249</td>
</tr>
<tr>
<td>07</td>
<td>.$ 250 - $ 299</td>
</tr>
<tr>
<td>08</td>
<td>.$ 300 - $ 349</td>
</tr>
<tr>
<td>09</td>
<td>.$ 350 - $ 399</td>
</tr>
</tbody>
</table>
10. $ 400 - $ 449
11. $ 450 - $ 499
12. $ 500 - $ 549
13. $ 550 - $ 599
14. $ 600 - $ 649
15. $ 650 - $ 699
16. $ 700 - $ 749
17. $ 750 - $ 799
18. $ 800 - $ 849
19. $ 850 - $ 899
20. $ 900 - $ 949
21. $ 950 - $ 999
22. $1000 - $1099
23. $1100 - $1199
24. $1200 - $1299
25. $1300 - $1399
26. $1400 - $1499
27. $1500 - $1599
28. $1600 - $1699
29. $1700 - $1799
30. $1800 - $1899
31. $1900 - $1999
32. $2000 - $2099
33. $2100 - $2199
34. $2200 - $2299
35. $2300 - $2399
36. $2400 - $2499
37. $2500 - $2599
38. $2600 - $2699
39. $2700 - $2799
40. $2800 - $2899
41. $2900 - $2999
42. $3000 - $3099
43. $3100 - $3199
44. $3200 - $3299
45. $3300 - $3399
46. $3400 - $3499
47. $3500 - $3599
48. $3600 - $3699
49. $3700 - $3799
50. $3800 - $3899
51. $3900 - $3999
52. $4000 - $4099
53. $4100 - $4199
54. $4200 - $4299
55. $4300 - $4399
56. $4400 - $4499
57. $4500 - $4599
58. $4600 - $4699
59. $4700 - $4799
60. $4800 - $4899
61. $4900 - $4999
62. $5000 - $5499
63. $5500 - $5999
64. $6000 - $6999
65. $7000 - $7999
66. $8000 - $8999
67 . $9000 - $9999
68 . $10000+ (Top-coded)

**WIF**

**Character 1**

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

**WKEXREL**

**Character 2**

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

**WORKSTAT**

**Character 2**

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

HOUSING RECORD-ALLOCATION FLAGS

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

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

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

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

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

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

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

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

FCONP  Character  1
Condominium fee allocation flag
 b .N/A (GQ)
 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

FFSP  Character  1
Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) recipiency allocation flag
 0 .No
 1 .Yes

FFULP  Character  1
Fuel cost (yearly cost for fuels other than gas and electricity) allocation flag
 b .N/A (GQ)
 0 .No
 1 .Yes

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

FGRNTP  Character  1
Gross rent (monthly amount) allocation flag
 b .N/A (GQ)
 0 .No
 1 .Yes
FHFLP  Character  1
House heating fuel allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**FSMXHNP**  
Character 1  
Home equity loan status allocation flag  
b .N/A (GQ)
FSMXSP  Character  1
Second mortgage status allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

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

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

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

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

FTOILP  Character  1
Flush toilet allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

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

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

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

HOUSING RECORD-REPLICATE WEIGHTS  

WGTP1  Numeric  5  
Housing Unit Weight replicate 1  
-9999..09999 .Integer weight of housing unit  

WGTP2  Numeric  5  
Housing Unit Weight replicate 2  
-9999..09999 .Integer weight of housing unit  

WGTP3  Numeric  5  
Housing Unit Weight replicate 3  
-9999..09999 .Integer weight of housing unit  

WGTP4  Numeric  5  
Housing Unit Weight replicate 4  
-9999..09999 .Integer weight of housing unit  

WGTP5  Numeric  5  
Housing Unit Weight replicate 5  
-9999..09999 .Integer weight of housing unit  

WGTP6  Numeric  5  
Housing Unit Weight replicate 6  
-9999..09999 .Integer weight of housing unit  

WGTP7  Numeric  5  
Housing Unit Weight replicate 7  
-9999..09999 .Integer weight of housing unit  

WGTP8  Numeric  5  
Housing Unit Weight replicate 8  
-9999..09999 .Integer weight of housing unit  

WGTP9  Numeric  5  
Housing Unit Weight replicate 9  
-9999..09999 .Integer weight of housing unit
WGTP10  Numeric  5
Housing Unit Weight replicate 10
-9999..09999 .Integer weight of housing unit

WGTP11  Numeric  5
Housing Unit Weight replicate 11
-9999..09999 .Integer weight of housing unit

WGTP12  Numeric  5
Housing Unit Weight replicate 12
-9999..09999 .Integer weight of housing unit

WGTP13  Numeric  5
Housing Unit Weight replicate 13
-9999..09999 .Integer weight of housing unit

WGTP14  Numeric  5
Housing Unit Weight replicate 14
-9999..09999 .Integer weight of housing unit

WGTP15  Numeric  5
Housing Unit Weight replicate 15
-9999..09999 .Integer weight of housing unit

WGTP16  Numeric  5
Housing Unit Weight replicate 16
-9999..09999 .Integer weight of housing unit

WGTP17  Numeric  5
Housing Unit Weight replicate 17
-9999..09999 .Integer weight of housing unit

WGTP18  Numeric  5
Housing Unit Weight replicate 18
-9999..09999 .Integer weight of housing unit

WGTP19  Numeric  5
Housing Unit Weight replicate 19
-9999..09999 .Integer weight of housing unit

WGTP20  Numeric  5
Housing Unit Weight replicate 20
-9999..09999 .Integer weight of housing unit

WGTP21  Numeric  5
Housing Unit Weight replicate 21
-9999..09999 .Integer weight of housing unit

WGTP22  Numeric  5
Housing Unit Weight replicate 22
-9999..09999 .Integer weight of housing unit

WGTP23  Numeric  5
Housing Unit Weight replicate 23
-9999..09999 .Integer weight of housing unit
WGTP24  Numeric  5
Housing Unit Weight replicate 24
-9999..09999. Integer weight of housing unit

WGTP25  Numeric  5
Housing Unit Weight replicate 25
-9999..09999. Integer weight of housing unit

WGTP26  Numeric  5
Housing Unit Weight replicate 26
-9999..09999. Integer weight of housing unit

WGTP27  Numeric  5
Housing Unit Weight replicate 27
-9999..09999. Integer weight of housing unit

WGTP28  Numeric  5
Housing Unit Weight replicate 28
-9999..09999. Integer weight of housing unit

WGTP29  Numeric  5
Housing Unit Weight replicate 29
-9999..09999. Integer weight of housing unit

WGTP30  Numeric  5
Housing Unit Weight replicate 30
-9999..09999. Integer weight of housing unit

WGTP31  Numeric  5
Housing Unit Weight replicate 31
-9999..09999. Integer weight of housing unit

WGTP32  Numeric  5
Housing Unit Weight replicate 32
-9999..09999. Integer weight of housing unit

WGTP33  Numeric  5
Housing Unit Weight replicate 33
-9999..09999. Integer weight of housing unit

WGTP34  Numeric  5
Housing Unit Weight replicate 34
-9999..09999. Integer weight of housing unit

WGTP35  Numeric  5
Housing Unit Weight replicate 35
-9999..09999. Integer weight of housing unit

WGTP36  Numeric  5
Housing Unit Weight replicate 36
-9999..09999. Integer weight of housing unit

WGTP37  Numeric  5
Housing Unit Weight replicate 37
-9999..09999. Integer weight of housing unit
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<td>-9999..09999. Integer weight of housing unit</td>
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<td>Housing Unit Weight replicate 40</td>
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<td>-9999..09999. Integer weight of housing unit</td>
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<td>Numeric</td>
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<td>Housing Unit Weight replicate 41</td>
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<td>-9999..09999. Integer weight of housing unit</td>
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<td>-9999..09999. Integer weight of housing unit</td>
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<td>-9999..09999. Integer weight of housing unit</td>
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<td>-9999..09999. Integer weight of housing unit</td>
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</table>
WGTP52  Numeric  5
Housing Unit Weight replicate 52
-9999..09999 .Integer weight of housing unit

WGTP53  Numeric  5
Housing Unit Weight replicate 53
-9999..09999 .Integer weight of housing unit

WGTP54  Numeric  5
Housing Unit Weight replicate 54
-9999..09999 .Integer weight of housing unit

WGTP55  Numeric  5
Housing Unit Weight replicate 55
-9999..09999 .Integer weight of housing unit

WGTP56  Numeric  5
Housing Unit Weight replicate 56
-9999..09999 .Integer weight of housing unit

WGTP57  Numeric  5
Housing Unit Weight replicate 57
-9999..09999 .Integer weight of housing unit

WGTP58  Numeric  5
Housing Unit Weight replicate 58
-9999..09999 .Integer weight of housing unit

WGTP59  Numeric  5
Housing Unit Weight replicate 59
-9999..09999 .Integer weight of housing unit

WGTP60  Numeric  5
Housing Unit Weight replicate 60
-9999..09999 .Integer weight of housing unit

WGTP61  Numeric  5
Housing Unit Weight replicate 61
-9999..09999 .Integer weight of housing unit

WGTP62  Numeric  5
Housing Unit Weight replicate 62
-9999..09999 .Integer weight of housing unit

WGTP63  Numeric  5
Housing Unit Weight replicate 63
-9999..09999 .Integer weight of housing unit

WGTP64  Numeric  5
Housing Unit Weight replicate 64
-9999..09999 .Integer weight of housing unit

WGTP65  Numeric  5
Housing Unit Weight replicate 65
-9999..09999 .Integer weight of housing unit
WGTP66  Numeric  5
Housing Unit Weight replicate 66
-9999.09999 .Integer weight of housing unit

WGTP67  Numeric  5
Housing Unit Weight replicate 67
-9999.09999 .Integer weight of housing unit

WGTP68  Numeric  5
Housing Unit Weight replicate 68
-9999.09999 .Integer weight of housing unit

WGTP69  Numeric  5
Housing Unit Weight replicate 69
-9999.09999 .Integer weight of housing unit

WGTP70  Numeric  5
Housing Unit Weight replicate 70
-9999.09999 .Integer weight of housing unit

WGTP71  Numeric  5
Housing Unit Weight replicate 71
-9999.09999 .Integer weight of housing unit

WGTP72  Numeric  5
Housing Unit Weight replicate 72
-9999.09999 .Integer weight of housing unit

WGTP73  Numeric  5
Housing Unit Weight replicate 73
-9999.09999 .Integer weight of housing unit

WGTP74  Numeric  5
Housing Unit Weight replicate 74
-9999.09999 .Integer weight of housing unit

WGTP75  Numeric  5
Housing Unit Weight replicate 75
-9999.09999 .Integer weight of housing unit

WGTP76  Numeric  5
Housing Unit Weight replicate 76
-9999.09999 .Integer weight of housing unit

WGTP77  Numeric  5
Housing Unit Weight replicate 77
-9999.09999 .Integer weight of housing unit

WGTP78  Numeric  5
Housing Unit Weight replicate 78
-9999.09999 .Integer weight of housing unit

WGTP79  Numeric  5
Housing Unit Weight replicate 79
-9999.09999 .Integer weight of housing unit
WGTP80  Numeric  5
Housing Unit Weight replicate 80
-9999..09999  .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
2013000000001..2017999999999  .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  Character  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
14 .Hawaii/HI
15 .Idaho/ID
16 .Illinois/IL
17 .Indiana/IN
18 .Iowa/IA
19 .Kansas/KS
20 .Kentucky/KY
21 .Louisiana/LA
22 .Maine/ME
23 .Maryland/MD
24 .Massachusetts/MA
25 .Michigan/MI
26 .Minnesota/MN
27 .Mississippi/MS
28 .Missouri/MO
29 .Montana/MT
30 .Nebraska/NE
31 .Nevada/NV
32 .New Hampshire/NH
33 .New Jersey/NJ
34 .New Mexico/NM
35 .New York/NY
36 .North Carolina/NC
37 .North Dakota/ND
38 .Ohio/Ohio
39 .Oklahoma/OK
40 .Oregon/OR
41 .Pennsylvania/PA
42 .Rhode Island/RI
43 .South Carolina/SC
44 .South Dakota/SD
45 .Tennessee/TN
46 .Texas/TX
47 .Utah/UT
48 .Vermont/VT
49 .Virginia/VA
50 .Washington/WA
51 .West Virginia/WV
52 .Wisconsin/WI
53 .Wyoming/WY
54 .Puerto Rico/PR

**ADJINC**

**Character 7**
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)

1061971 .2013 factor (1.007549 * 1.05401460)
1045195 .2014 factor (1.008425 * 1.03646282)
1035988 .2015 factor (1.001264 * 1.03468042)
1029257 .2016 factor (1.007588 * 1.02150538)
1011189 .2017 factor (1.011189 * 1.00000000)
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<th>Type</th>
<th>Length</th>
<th>Description</th>
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<td>PWGTP</td>
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<td>Person weight</td>
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<td>Integer weight of person</td>
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**PERSON RECORD—PERSON VARIABLES**

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<td>Age</td>
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<td></td>
<td></td>
<td>Under 1 year</td>
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<td>1 to 99 years (Top-coded)</td>
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<td>Character</td>
<td>1</td>
<td>Citizenship status</td>
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<td></td>
<td></td>
<td></td>
<td>Born in the U.S.</td>
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<tr>
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<td></td>
<td>Born in Puerto Rico, Guam, the U.S. Virgin Islands, or the</td>
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<td></td>
<td></td>
<td>Northern Marianas</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Born abroad of American parent(s)</td>
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<td></td>
<td>U.S. citizen by naturalization</td>
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<tr>
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<td>Not a citizen of the U.S.</td>
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<td>Year of naturalization write-in</td>
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<td>Not eligible - not naturalized</td>
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<td>1939 or earlier (Bottom-coded)</td>
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1979 .1979
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1982 .1982
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1984 .1984
1985 .1985
1986 .1986
1987 .1987
1988 .1988
1989 .1989
1990 .1990
1992 .1992
1993 .1993
1994 .1994
1995 .1995
1996 .1996
1998 .1998
1999 .1999
2000 .2000
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2002 .2002
2003 .2003
2004 .2004
2005 .2005
2006 .2006
2007 .2007
2008 .2008
2009 .2009
2010 .2010
2011 .2011
2012 .2012
2013 .2013
2014 .2014
2015 .2015
2016 .2016
2017 .2017

COW

Character 1

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

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

**FER**

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

**GCL**

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

**GCM**

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

**GCR**

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

**HINS1**

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

**HINS2**

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

**HINS3**

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

**HINS4**

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

HINS6  Character  1
VA (including those who have ever used or 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)
<b>bbbbbb  <br>000000  <br>-10000..-00001</b> .Loss $1 to $10000 (Rounded and bottom-coded)
000001  .$1 or break even
000002..999999 .$2 to $999999 (Rounded and top-coded)

JWMNP  Numeric  3
Travel time to work
<b>bbb  <br>001..200 .1 to 200 minutes to get to work (Top-coded)</b>

JWRIP  Numeric  2
Vehicle occupancy
<b>bb  <br>01 .Drove alone</b>
02 .In 2-person carpool
03 .In 3-person carpool
04 .In 4-person carpool
05 .In 5-person carpool
06 .In 6-person carpool
07 .In 7-person carpool
08 .In 8-person carpool
09 .In 9-person carpool
10 .In 10-person or more carpool (Top-coded)

JWTR  Character  2
Means of transportation to work
<b>bb  <br>01 .Car, truck, or van</b>
02 .Bus or trolley bus
03 .Streetcar or trolley car (carro publico in Puerto Rico)
04 .Subway or elevated
05 .Railroad
06 .Ferryboat
07 .Taxicab
08 .Motorcycle
09 .Bicycle
10 .Walked
11 .Worked at home
12 .Other method

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

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

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

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

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

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

MARHYP    Numeric  4
Year last married
   bbb .N/A (age less than 15 years; never married)
   1937 .1937 or earlier (Bottom-coded)
   1938 .1938
   1939 .1939
   1940 .1940
   1941 .1941
   1942 .1942
   1943 .1943
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2011 .2011
2012 .2012
2013 .2013
2014 .2014
2015 .2015
2016 .2016
2017 .2017

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
MLPF

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

MLPH

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

MLPI

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

MLPJ

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

MLPK

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

NWAB

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

NWAV

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

NWLA

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

NWLK

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

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

OIP  Numeric  6
All other income past 12 months (use ADJINC to adjust to constant
dollars)
bbbbbb .N/A (less than 15 years old)
000000 .None
000001..999999 .$1 to $999999 (Rounded and top-coded)

PAP  Numeric  5
Public assistance income past 12 months (use ADJINC to adjust to
costant dollars)
bbbbbb .N/A (less than 15 years old)
000000 .None
000001..30000 .$1 to $30000 (Rounded)

RELP  Character  2
Relationship
00 .Reference person
01 .Husband/wife
02 .Biological son or daughter
03 .Adopted son or daughter
04 .Stepson or stepdaughter
05 .Brother or sister
06 .Father or mother
07 .Grandchild
08 .Parent-in-law
09 .Son-in-law or daughter-in-law
10 .Other relative
11 .Roomer or boarder
12 .Housemate or roommate
13 .Unmarried partner
14 .Foster child
15 .Other nonrelative
16 .Institutionalized group quarters population
17 .Noninstitutionalized group quarters population

RETP  Numeric  6
Retirement income past 12 months (use ADJINC to adjust to constant
dollars)
bbbbbb .N/A (less than 15 years old)
000000 .None
000001..999999 .$1 to $999999 (Rounded and top-coded)
SCH Character 1
School enrollment
b .N/A (less than 3 years old)
1 .No, has not attended in the last 3 months
2 .Yes, public school or public college
3 .Yes, private school, private college, or home school

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

SCHL Character 2
Educational attainment
bb .N/A (less than 3 years old)
01 .No schooling completed
02 .Nursery school, preschool
03 .Kindergarten
04 .Grade 1
05 .Grade 2
06 .Grade 3
07 .Grade 4
08 .Grade 5
09 .Grade 6
10 .Grade 7
11 .Grade 8
12 .Grade 9
13 .Grade 10
14 .Grade 11
15 .12th grade - no diploma
16 .Regular high school diploma
17 .GED or alternative credential
18 .Some college, but less than 1 year
19 .1 or more years of college credit, no degree
20 .Associate's degree
21 .Bachelor's degree
22 .Master's degree
23 .Professional degree beyond a bachelor's degree
24 .Doctorate degree
SEMP  Numeric  6
Self-employment income past 12 months (signed, use ADJINC to adjust
SEMP to constant dollars)
  bbbbbbb  .N/A (less than 15 years old)
  000000   .None
  -10000..-00001  .Loss $1 to $10000 (Rounded and bottom-coded)
  000001   .$1 or break even
  000002..999999  .$2 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)
  bbbbb  .N/A (less than 15 years old)
  00000   .None
  00001..30000  .$1 to $30000 (Rounded)

SSP   Numeric  5
Social Security income past 12 months (use ADJINC to adjust SSP to
constant dollars)
  bbbbb  .N/A (less than 15 years old)
  00000   .None
  00001..50000  .$1 to $50000 (Rounded)

WAGP  Numeric  6
Wages or salary income past 12 months (use ADJINC to adjust WAGP to
constant dollars)
  bbbbbbb  .N/A (less than 16 years old/did not work during the past
  .12 months)
  0000000 .None
  0000001..999999  .$1 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)
  01..98  .1 to 98 usual hours
  99  .99 or more usual hours

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

WKW  Character  1
Weeks worked during past 12 months
  b  .N/A (less than 16 years old/did not work during the past 12
      .months)
  1  .50 to 52 weeks worked during past 12 months
  2  .48 to 49 weeks worked during past 12 months
  3  .40 to 47 weeks worked during past 12 months
4 .27 to 39 weeks worked during past 12 month
5 .14 to 26 weeks worked during past 12 months
6 .14 weeks or less 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
   1925 .1925 or earlier (Bottom-coded)
   1926 .1926 - 1929
   1930 .1930 - 1934
   1935 .1935 - 1938
   1939 .1939
   1940 .1940
   1941 .1941 - 1942
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   1980 .1980
### PERSON RECORD - RECODED PERSON VARIABLES

**ANC**  
Character  1  
Ancestry recode  
1 .Single  
2 .Multiple  
3 .Unclassified  
4 .Not reported  

**ANC1P**  
Character  3  
Ancestry recode - first entry  
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. Turkestanian
169. Uzbeg
170. Georgia CIS
171. Ukrainian
176. Yugoslavian
177. Bosnian and Herzegovinian
178. Slavic
179. Slavonian
181. Central European
183. Northern European
185. Southern European
187. Western European
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200 . Spaniard
210 . Mexican
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215 . Mexican American Indian
218 . Mexican State
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221 . Costa Rican
222 . Guatemalan
223 . Honduran
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226 . Salvadoran
227 . Central American
231 . Argentinean
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233 . Chilean
234 . Colombian
235 . Ecuadorian
236 . Paraguayan
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261 . Puerto Rican
271 . Cuban
275 . Dominican
290 . Hispanic
291 . Spanish
295 . Spanish American
300 . Bahamian
301 . Barbadian
302 . Belizean
308 . Jamaican
310 . Dutch West Indian
314 . Trinidadian Tobagonian
322 . British West Indian
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330 . Vincent-Grenadine Islander
331 . St Lucia Islander
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720 .Filipino
730 .Indonesian
740 .Japanese
748 .Okinawan
750 .Korean
765 .Laotian
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904 .Negro
907 .Creole
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914 .South American Indian
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918 .Indian
919 .Cherokee
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921 .Aleut (2016 or earlier)
922 .Eskimo
924 .White
925 .Anglo
927 .Appalachian
929 .Pennsylvania German
931 .Canadian
935 .French Canadian
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939 .American
940 .United States
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ANC2P Character 3
Ancestry recode - second entry
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003 .Austrian
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| DECADE    | Decade of entry  
|           | b. N/A (Born in the US)  
|           | 1. Before 1950  
|           | 2. 1950 - 1959  
|           | 3. 1960 - 1969  
|           | 4. 1970 - 1979  
|           | 5. 1980 - 1989  
|           | 6. 1990 - 1999  
|           | 7. 2000 - 2009  
|           | 8. 2010 or later |
| DIS       | Disability recode  
|           | 1. With a disability  
|           | 2. Without a disability |
| DRIVESP   | Number of vehicles calculated from JWRI  
|           | b. N/A (Nonworker or worker who does not drive to work)  
|           | 1. 1.000 vehicles (Drove alone)  
|           | 2. 0.500 vehicles (In a 2-person carpool)  
|           | 3. 0.333 vehicles (In a 3-person carpool)  
|           | 4. 0.250 vehicles (In a 4-person carpool)  
|           | 5. 0.200 vehicles (In a 5- or 6-person carpool)  
|           | 6. 0.143 vehicles (In a 7-or-more person carpool) |
| ESP       | Employment status of parents  
|           | b. N/A (not own child of householder, and not child in subfamily)  
|           | 1. Living with two parents: both parents in labor force  
|           | 2. Living with two parents: Father only in labor force  
|           | 3. Living with two parents: Mother only in labor force  
|           | 4. Living with two parents: Neither parent in labor force |
5. Living with father: Father in the labor force
6. Living with father: Father not in labor force
7. Living with mother: Mother in the labor force
8. Living with mother: Mother not in labor force

**ESR**

**Character 1**

Employment status recode

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

**FOD1P**

**Character 4**

Recoded field of degree - first entry

- bbbbb N/A (less than bachelor's degree)
- 1100. General Agriculture
- 1101. Agriculture Production And Management
- 1102. Agricultural Economics
- 1103. Animal Sciences
- 1104. Food Science
- 1105. Plant Science And Agronomy
- 1106. Soil Science
- 1199. Miscellaneous Agriculture
- 1301. Environmental Science
- 1302. Forestry
- 1303. Natural Resources Management
- 1401. Architecture
- 1501. Area Ethnic And Civilization Studies
- 1901. Communications
- 1902. Journalism
- 1903. Mass Media
- 1904. Advertising And Public Relations
- 2001. Communication Technologies
- 2100. Computer And Information Systems
- 2101. Computer Programming And Data Processing
- 2102. Computer Science
- 2105. Information Sciences
- 2106. Computer Administration Management And Security
- 2107. Computer Networking And Telecommunications
- 2201. Cosmetology Services And Culinary Arts
- 2300. General Education
- 2301. Educational Administration And Supervision
- 2303. School Student Counseling
- 2304. Elementary Education
- 2305. Mathematics Teacher Education
- 2306. Physical And Health Education Teaching
- 2307. Early Childhood Education
- 2308. Science And Computer Teacher Education
- 2309. Secondary Teacher Education
- 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

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**Character 4**

Recoded field of degree - second entry

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614 .Medical Assisting Services
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625 .Business Economics
626 .Marketing And Marketing Research
627 .Finance
628 .Human Resources And Personnel Management
620 .International Business
621 .Hospitality Management
622 .Management Information Systems And Statistics
629 .Miscellaneous Business & Medical Administration
640 .History
640 .United States History

**HICOV**

**Character 1**

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

**HISP**

**Character 2**

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

INDP  
Character  4  
Industry recode based on 2012 IND codes  
bibbb  .Not in universe (less than 16 years old/NILF who last  
    worked more than 5 years ago or never worked)  
0170  .AGR-Crop Production  
0180  .AGR-Animal Production And Aquaculture  
0190  .AGR-Forestry Except Logging  
0270  .AGR-Logging  
0280  .AGR-Fishing, Hunting, And Trapping  
0290  .AGR-Support Activities For Agriculture And Forestry  
0370  .EXT-Oil And Gas Extraction  
0380  .EXT-Coal Mining  
0390  .EXT-Metal Ore Mining  
0470  .EXT-Nonmetallic Mineral Mining And Quarrying  
0490  .EXT-Support Activities For Mining  
0570  .UTL-Electric Power Generation, Transmission And  
    Distribution  
0580  .UTL-Natural Gas Distribution  
0590  .UTL-Electric And Gas, And Other Combinations  
0670  .UTL-Water, Steam, Air Conditioning, And Irrigation Systems  
0680  .UTL-Sewage Treatment Facilities  
0690  .UTL-Not Specified Utilities  
0770  .CON- Construction (The Cleaning Of Buildings And Dwellings  
    Is Incidental During Construction And Immediately After  
    Construction)  
1070  .MFG-Animal Food, Grain And Oilseed Milling  
1080  .MFG-Sugar And Confectionery Products  
1090  .MFG-Fruit And Vegetable Preserving And Specialty Foods  
1170  .MFG-Dairy Products  
1180  .MFG-Animal Slaughtering And Processing  
1190  .MFG-Retail Bakeries  
1270  .MFG-Bakeries And Tortilla, Except Retail Bakeries  
1280  .MFG-Seafood And Other Miscellaneous Foods, N.E.C.  
1290  .MFG-Not Specified Food Industries  
1370  .MFG-Beverage  
1390  .MFG-Tobacco  
1470  .MFG-Fiber, Yarn, And Thread Mills  
1480  .MFG-Fabric Mills, Except Knitting Mills  
1490  .MFG-Textile And Fabric Finishing And Fabric Coating Mills  
1570  .MFG-Carpet And Rug Mills  
1590  .MFG-Textile Product Mills, Except Carpet And Rug  
1670  .MFG-Knitting Fabric Mills, And Apparel Knitting Mills  
1680  .MFG-Cut And Sew Apparel  
1690  .MFG-Apparel Accessories And Other Apparel  
1770  .MFG-Footwear  
1790  .MFG-Leather Tanning And Finishing And Other Allied Products  
    Manufacturing  
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
<table>
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<tr>
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<tbody>
<tr>
<td>2070</td>
<td>.MFG-Petroleum Refining</td>
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<tr>
<td>2090</td>
<td>.MFG-Miscellaneous Petroleum And Coal Products</td>
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<tr>
<td>2170</td>
<td>.MFG-Resin, Synthetic Rubber, And Fibers And Filaments</td>
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<tr>
<td>2180</td>
<td>.MFG-Agricultural Chemicals</td>
</tr>
<tr>
<td>2190</td>
<td>.MFG-Pharmaceuticals And Medicines</td>
</tr>
<tr>
<td>2270</td>
<td>.MFG-Paint, Coating, And Adhesives</td>
</tr>
<tr>
<td>2280</td>
<td>.MFG-Soap, Cleaning Compound, And Cosmetics</td>
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<tr>
<td>2290</td>
<td>.MFG-Industrial And Miscellaneous Chemicals</td>
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<tr>
<td>2370</td>
<td>.MFG-Resin, Synthetic Rubber, And Fibers And Filaments</td>
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<tr>
<td>2380</td>
<td>.MFG-Plastics Products</td>
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<tr>
<td>2390</td>
<td>.MFG-Rubber Products, Except Tires</td>
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<td>2470</td>
<td>.MFG-Pottery, Ceramics, And Plumbing Fixture Manufacturing</td>
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<td>2480</td>
<td>.MFG-Clay Building Material And Refractories</td>
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<tr>
<td>2570</td>
<td>.MFG-Ordinance</td>
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<tr>
<td>2590</td>
<td>.MFG-Miscellaneous Nonmetallic Mineral Products</td>
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<tr>
<td>2670</td>
<td>.MFG-Iron And Steel Mills And Steel Products</td>
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<tr>
<td>2680</td>
<td>.MFG-Aluminum Production And Processing</td>
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<tr>
<td>2690</td>
<td>.MFG-Nonferrous Metal, Except Aluminum, Production And Processing</td>
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<tr>
<td>2770</td>
<td>.MFG-Foundries</td>
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<td>2780</td>
<td>.MFG-Metal Forgings And Stampings</td>
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<tr>
<td>2790</td>
<td>.MFG-Cutlery And Hand Tools</td>
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<tr>
<td>2870</td>
<td>.MFG-Structural Metals, And Boiler, Tank, And Shipping Containers</td>
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<td>2880</td>
<td>.MFG-Machine Shops; Turned Products; Screws, Nuts And Bolts</td>
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<tr>
<td>2890</td>
<td>.MFG-Coating, Engraving, Heat Treating And Allied Activities</td>
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<td>2970</td>
<td>.MFG-Ordinance</td>
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<tr>
<td>2980</td>
<td>.MFG-Miscellaneous Fabricated Metal Products</td>
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<tr>
<td>2990</td>
<td>.MFG-Not Specified Metal Industries</td>
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<tr>
<td>3070</td>
<td>.MFG-Agricultural Implements</td>
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<td>3080</td>
<td>.MFG-Construction, And Mining And Oil And Gas Field Machinery</td>
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<td>3095</td>
<td>.MFG-Commercial And Service Industry Machinery</td>
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<tr>
<td>3170</td>
<td>.MFG-Metalworking Machinery</td>
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<tr>
<td>3190</td>
<td>.MFG-Machinery, N.E.C. Or Not Specified</td>
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<tr>
<td>3365</td>
<td>.MFG-Computer And Peripheral Equipment</td>
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<tr>
<td>3370</td>
<td>.MFG-Communications, And Audio And Video Equipment</td>
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<tr>
<td>3380</td>
<td>.MFG-Navigational, Measuring, Electromedical, And Control Instruments</td>
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<td>.MFG-Electronic Components And Products, N.E.C.</td>
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<td>.MFG-Household Appliances</td>
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<td>.MFG-Electric Lighting And Electrical Equipment Manufacturing, And Other Electrical Component Manufacturing, N.E.C.</td>
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<td>.MFG-Motor Vehicles And Motor Vehicle Equipment</td>
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<td>.MFG-Aircraft And Parts</td>
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<td>.MFG-Aerospace Products And Parts</td>
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<td>.MFG-Railroad Rolling Stock</td>
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<td>3680</td>
<td>.MFG-Ship And Boat Building</td>
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<td>.MFG-Other Transportation Equipment</td>
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<td>3770</td>
<td>.MFG-Sawmills And Wood Preservation</td>
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<td>3780</td>
<td>.MFG-Veneer, Plywood, And Engineered Wood Products</td>
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<tr>
<td>3790</td>
<td>.MFG-Prefabricated Wood Buildings And Mobile Homes</td>
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<tr>
<td>3875</td>
<td>.MFG-Miscellaneous Wood Products</td>
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<tr>
<td>3895</td>
<td>.MFG-Furniture And Related Product</td>
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</tbody>
</table>
3960  .MFG-Medical Equipment And Supplies
3970  .MFG-Sporting And Athletic Goods, And Doll, Toy, And Game
       .Manufacturing
3980  .MFG-Miscellaneous Manufacturing, N.E.C.
3990  .MFG-Not Specified Manufacturing Industries
4070  .WHL-Motor Vehicles 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-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
4970  .RET-Grocery Stores
4980  .RET-Specialty Food Stores
4990  .RET-Beer, Wine, And Liquor Stores
5070  .RET-Pharmacies And Drug Stores
5080  .RET-Health And Personal Care, Except Drug, Stores
5090  .RET-Gasoline Stations
5170  .RET-Clothing Stores
5180  .RET-Shoe Stores
5190  .RET-Jewelry, Luggage, And Leather Goods Stores
5275  .RET-Sporting Goods, And Hobby And Toy Stores
5280  .RET-Sewing, Needlework And Piece Goods Stores
5295  .RET-Musical Instrument And Supplies Stores
5370  .RET-Book Stores And News Dealers
5380  .RET-Department And Discount Stores
5390  .RET-Miscellaneous General Merchandise Stores
5470  .RET-Florists
5480  .RET-Office Supplies And Stationery Stores
5490  .RET-Used Merchandise Stores
5570  .RET-Gift, Novelty, And Souvenir Shops
5580  .RET-Miscellaneous Retail Stores
5590  .RET-Electronic Shopping
5591  .RET-Electronic Auctions
5592  .RET-Mail-Order Houses
5670  .RET-Vending Machine Operators
5680  .RET-Fuel Dealers
5690  .RET-Other Direct Selling Establishments
5790  .RET-Not Specified Retail Trade
6070  .TRN-Air Transportation
6080  .TRN-Rail Transportation
6090  .TRN-Water Transportation
6170  .TRN-Truck Transportation
6180  .TRN-Bus Service And Urban Transit
6190  .TRN-Taxi And Limousine Service
6270  .TRN-Pipeline Transportation
6280  .TRN-Scenic And Sightseeing Transportation
6290  .TRN-Services Incidental To Transportation
6370  .TRN-Postal Service
6380  .TRN-Couriers And Messengers
6390  .TRN-Warehousing And Storage
6470  .INF-Newspaper Publishers
6480  .INF-Periodical, Book, And Directory Publishers
6490  .INF-Software Publishers
6570  .INF-Motion Picture And Video Industries
6590  .INF-Sound Recording Industries
6670  .INF-Broadcasting, Except Internet
6672  .INF-Internet Publishing And Broadcasting And Web Search Portals
6680  .INF-Wired Telecommunications Carriers
6690  .INF-Telecommunications, Except Wired Telecommunications Carriers
6695  .INF-Data Processing, Hosting, And Related Services
6770  .INF-Libraries And Archives
6780  .INF-Other Information Services, Except Library And Archives, And Internet Publishing And Broadcasting And Web Search Portals
6870  .FIN-Banking And Related Activities
6880  .FIN-Savings Institutions, Including Credit Unions
6890  .FIN-Nondepository Credit And Related Activities
6970  .FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments
6990  .FIN-Insurance Carriers And Related Activities
7070  .FIN-Real Estate
7080  .FIN-Automotive Equipment Rental And Leasing
7170  .FIN-Video Tape And Disk Rental
7180  .FIN-Other Consumer Goods Rental
7190  .FIN-Commercial, Industrial, And Other Intangible Assets Rental And Leasing
7270  .PRF-Legal Services
7280  .PRF-Accounting, Tax Preparation, Bookkeeping And Payroll Services
7290  .PRF-Architectural, Engineering, And Related Services
7370  .PRF-Specialized Design Services
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>7380</td>
<td>.PRF-Computer Systems Design And Related Services</td>
</tr>
<tr>
<td>7390</td>
<td>.PRF-Management, Scientific, And Technical Consulting Services</td>
</tr>
<tr>
<td>7400</td>
<td>.PRF-Scientific Research And Development Services</td>
</tr>
<tr>
<td>7410</td>
<td>.PRF-Advertising, Public Relations, And Related Services</td>
</tr>
<tr>
<td>7420</td>
<td>.PRF-Veterinary Services</td>
</tr>
<tr>
<td>7430</td>
<td>.PRF-Other Professional, Scientific, And Technical Services</td>
</tr>
<tr>
<td>7440</td>
<td>.PRF-Management Of Companies And Enterprises</td>
</tr>
<tr>
<td>7450</td>
<td>.PRF-Employment Services</td>
</tr>
<tr>
<td>7460</td>
<td>.PRF-Business Support Services</td>
</tr>
<tr>
<td>7470</td>
<td>.PRF-Travel Arrangements And Reservation Services</td>
</tr>
<tr>
<td>7480</td>
<td>.PRF-Investigation And Security Services</td>
</tr>
<tr>
<td>7490</td>
<td>.PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)</td>
</tr>
<tr>
<td>7500</td>
<td>.PRF-Landscaping Services</td>
</tr>
<tr>
<td>7510</td>
<td>.PRF-Other Administrative, And Other Support Services</td>
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<tr>
<td>7520</td>
<td>.PRF-Waste Management And Remediation Services</td>
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<tr>
<td>7530</td>
<td>.EDU-Elementary And Secondary Schools</td>
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<tr>
<td>7540</td>
<td>.EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges</td>
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<tr>
<td>7550</td>
<td>.EDU-Business, Technical, And Trade Schools And Training</td>
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<td>7560</td>
<td>.EDU-Other Schools And Instruction, And Educational Support Services</td>
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<tr>
<td>7570</td>
<td>.MED-Offices Of Physicians</td>
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<td>7580</td>
<td>.MED-Offices Of Dentists</td>
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<td>7590</td>
<td>.MED-Offices Of Chiropractors</td>
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<tr>
<td>7600</td>
<td>.MED-Offices Of Optometrists</td>
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<tr>
<td>7610</td>
<td>.MED-Offices Of Other Health Practitioners</td>
</tr>
<tr>
<td>7620</td>
<td>.MED-Outpatient Care Centers</td>
</tr>
<tr>
<td>7630</td>
<td>.MED-Home Health Care Services</td>
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<tr>
<td>7640</td>
<td>.MED-Other Health Care Services</td>
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<tr>
<td>7650</td>
<td>.MED-Hospitals</td>
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<tr>
<td>7660</td>
<td>.MED-Nursing Care Facilities (Skilled Nursing Facilities)</td>
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<tr>
<td>7670</td>
<td>.MED-Residential Care Facilities, Except Skilled Nursing Facilities</td>
</tr>
<tr>
<td>7680</td>
<td>.SCA-Individual And Family Services</td>
</tr>
<tr>
<td>7690</td>
<td>.SCA-Community Food And Housing, And Emergency Services</td>
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<tr>
<td>7700</td>
<td>.SCA-Vocational Rehabilitation Services</td>
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<tr>
<td>7710</td>
<td>.SCA-Child Day Care Services</td>
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<tr>
<td>7720</td>
<td>.SRV-Performing Arts, Spectator Sports, And Related Industries</td>
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<tr>
<td>7730</td>
<td>.SRV-Museums, Art Galleries, Historical Sites, And Similar Institutions</td>
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<tr>
<td>7740</td>
<td>.SRV-Bowling Centers</td>
</tr>
<tr>
<td>7750</td>
<td>.SRV-Other Amusement, Gambling, And Recreation Industries</td>
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<tr>
<td>7760</td>
<td>.SRV-Traveler Accommodation</td>
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<td>7770</td>
<td>.SRV-Recreational Vehicle Parks And Camps, And Rooming And Boarding Houses</td>
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<td>.SRV-Restaurants And Other Food Services</td>
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<tr>
<td>7790</td>
<td>.SRV-Drinking Places, Alcoholic Beverages</td>
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<tr>
<td>7800</td>
<td>.SRV-Automotive Repair And Maintenance</td>
</tr>
<tr>
<td>7810</td>
<td>.SRV-Car Washes</td>
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<tr>
<td>7820</td>
<td>.SRV-Electronic And Precision Equipment Repair And Maintenance</td>
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<tr>
<td>7830</td>
<td>.SRV-Commercial And Industrial Machinery And Equipment Repair And Maintenance</td>
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<tr>
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<td>.SRV-Personal And Household Goods Repair And Maintenance</td>
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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, 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-U.S. Armed Forces, Branch Not Specified
9870 .MIL-Military Reserves Or National Guard
9920 .Unemployed And Last Worked 5 Years Ago 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 .12:40 a.m. to 12:44 a.m.
009 .12:45 a.m. to 12:49 a.m.
010 .12:50 a.m. to 12:54 a.m.
011 .1:00 a.m. to 1:04 a.m.
012 .1:05 a.m. to 1:09 a.m.
013 .1:10 a.m. to 1:14 a.m.
014 .1:15 a.m. to 1:19 a.m.
015 .1:20 a.m. to 1:24 a.m.
016 .1:25 a.m. to 1:29 a.m.
017 .1:30 a.m. to 1:34 a.m.
018 .1:35 a.m. to 1:39 a.m.
019 .1:40 a.m. to 1:44 a.m.
020 .1:45 a.m. to 1:49 a.m.
021 .1:50 a.m. to 1:54 a.m.
022 .2:00 a.m. to 2:04 a.m.
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<th>Duration</th>
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<td>to 2:14 a.m.</td>
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<td>to 2:19 a.m.</td>
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<td>to 2:24 a.m.</td>
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<td>to 2:29 a.m.</td>
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<td>to 2:54 a.m.</td>
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<td>to 2:59 a.m.</td>
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<td>to 3:04 a.m.</td>
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<td>to 3:09 a.m.</td>
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<tr>
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<td>to 3:14 a.m.</td>
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<td>to 3:19 a.m.</td>
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<tr>
<td>3:20 a.m.</td>
<td>to 3:24 a.m.</td>
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<tr>
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264 10:10 p.m. to 10:14 p.m.
265 10:15 p.m. to 10:19 p.m.
266 10:20 p.m. to 10:24 p.m.
267 10:25 p.m. to 10:29 p.m.
268 10:30 p.m. to 10:34 p.m.
269 10:35 p.m. to 10:39 p.m.
270 10:40 p.m. to 10:44 p.m.
271 10:45 p.m. to 10:49 p.m.
272 10:50 p.m. to 10:55 p.m.
273 10:55 p.m. to 10:59 p.m.
274 11:00 p.m. to 11:04 p.m.
275 11:05 p.m. to 11:09 p.m.
276 11:10 p.m. to 11:14 p.m.
277 11:15 p.m. to 11:19 p.m.
278 11:20 p.m. to 11:24 p.m.
279 11:25 p.m. to 11:29 p.m.
280 11:30 p.m. to 11:34 p.m.
281 11:35 p.m. to 11:39 p.m.
282 11:40 p.m. to 11:44 p.m.
283 11:45 p.m. to 11:49 p.m.
284 11:50 p.m. to 11:54 p.m.
285 11:55 p.m. to 11:59 p.m.

JWDP  Character  3
Time of departure for work - hour and minute
bbb N/A (not a worker; worker who worked at home)
001 12:00 a.m. to 12:29 a.m.
002 12:30 a.m. to 12:59 a.m.
003 1:00 a.m. to 1:29 a.m.
004 1:30 a.m. to 1:59 a.m.
005 2:00 a.m. to 2:29 a.m.
006 2:30 a.m. to 2:59 a.m.
007 3:00 a.m. to 3:09 a.m.
008 3:10 a.m. to 3:19 a.m.
009 3:20 a.m. to 3:29 a.m.
010 3:30 a.m. to 3:39 a.m.
011 3:40 a.m. to 3:49 a.m.
012 3:50 a.m. to 3:59 a.m.
013 4:00 a.m. to 4:09 a.m.
014 4:10 a.m. to 4:19 a.m.
015 4:20 a.m. to 4:29 a.m.
016 4:30 a.m. to 4:39 a.m.
017 4:40 a.m. to 4:49 a.m.
018 4:50 a.m. to 4:59 a.m.

71
076 9:45 a.m. to 9:49 a.m.
077 9:50 a.m. to 9:54 a.m.
078 9:55 a.m. to 9:59 a.m.
079 10:00 a.m. to 10:04 a.m.
080 10:10 a.m. to 10:14 a.m.
081 10:20 a.m. to 10:24 a.m.
082 10:30 a.m. to 10:34 a.m.
083 10:40 a.m. to 10:44 a.m.
084 10:50 a.m. to 10:54 a.m.
085 11:00 a.m. to 11:04 a.m.
086 11:10 a.m. to 11:14 a.m.
087 11:20 a.m. to 11:24 a.m.
088 11:30 a.m. to 11:34 a.m.
089 11:40 a.m. to 11:44 a.m.
090 11:50 a.m. to 11:54 a.m.
091 12:00 p.m. to 12:04 p.m.
092 12:10 p.m. to 12:14 p.m.
093 12:20 p.m. to 12:24 p.m.
094 12:30 p.m. to 12:34 p.m.
095 12:40 p.m. to 12:44 p.m.
096 12:50 p.m. to 12:54 p.m.
097 1:00 p.m. to 1:04 p.m.
098 1:10 p.m. to 1:14 p.m.
099 1:20 p.m. to 1:24 p.m.
100 1:30 p.m. to 1:34 p.m.
101 1:40 p.m. to 1:44 p.m.
102 1:50 p.m. to 1:54 p.m.
103 2:00 p.m. to 2:04 p.m.
104 2:10 p.m. to 2:14 p.m.
105 2:20 p.m. to 2:24 p.m.
106 2:30 p.m. to 2:34 p.m.
107 2:40 p.m. to 2:44 p.m.
108 2:50 p.m. to 2:54 p.m.
109 3:00 p.m. to 3:04 p.m.
110 3:10 p.m. to 3:14 p.m.
111 3:20 p.m. to 3:24 p.m.
112 3:30 p.m. to 3:34 p.m.
113 3:40 p.m. to 3:44 p.m.
114 3:50 p.m. to 3:54 p.m.
115 4:00 p.m. to 4:04 p.m.
116 4:10 p.m. to 4:14 p.m.
117 4:20 p.m. to 4:24 p.m.
118 4:30 p.m. to 4:34 p.m.
119 4:40 p.m. to 4:44 p.m.
120 4:50 p.m. to 4:54 p.m.
121 5:00 p.m. to 5:04 p.m.
122 5:10 p.m. to 5:14 p.m.
123 5:20 p.m. to 5:24 p.m.
124 5:30 p.m. to 5:34 p.m.
125 5:40 p.m. to 5:44 p.m.
126 5:50 p.m. to 5:54 p.m.
127 6:00 p.m. to 6:04 p.m.
128 6:10 p.m. to 6:14 p.m.
129 6:20 p.m. to 6:24 p.m.
130 6:30 p.m. to 6:34 p.m.
131 6:40 p.m. to 6:44 p.m.
132 6:50 p.m. to 6:54 p.m.
7:00 p.m. to 7:29 p.m.
7:30 p.m. to 7:59 p.m.
8:00 p.m. to 8:29 p.m.
8:30 p.m. to 8:59 p.m.
9:00 p.m. to 9:29 p.m.
9:30 p.m. to 9:59 p.m.
10:00 p.m. to 10:29 p.m.
10:30 p.m. to 10:59 p.m.
11:00 p.m. to 11:29 p.m.
11:30 p.m. to 11:59 p.m.

LANP

Character 4

Language other than English spoken at home
N/A (GQ/vacant)
Jamaican Creole English
Other English-based Creole languages
Haitian
Kabuverdianu
German
Swiss German
Pennsylvania German
Yiddish
Dutch
Afrikaans
Swedish
Danish
Norwegian
Italian
French
Cajun French
Spanish
Portuguese
Romanian
Irish
Greek
Albanian
Russian
Ukrainian
Czech
Slovak
Polish
Bulgarian
Macedonian
Serbocroatian
Bosnian
Croatian
Serbian
Lithuanian
Latvian
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
6936 .Kiowa-Tanoan languages (2016 or earlier)
7019 .Dakota languages
7032 .Muskogean languages
7039 .Keres
7050 .Cherokee
7059 .Zuni (2016 or earlier)
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9999 .Other and unspecified languages

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

MIGSP  Character  3
Migration recode - State or foreign country code
bbb N/A (person less than 1 year old/lived in same house 1 year
.ago)
001 .Alabama/AL
002 .Alaska/AK
<table>
<thead>
<tr>
<th></th>
<th>State/Region</th>
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<tbody>
<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>
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<tr>
<td>008</td>
<td>Colorado/CO</td>
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<tr>
<td>009</td>
<td>Connecticut/CT</td>
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<tr>
<td>010</td>
<td>Delaware/DE</td>
</tr>
<tr>
<td>011</td>
<td>District of Columbia/DC</td>
</tr>
<tr>
<td>012</td>
<td>Florida/FL</td>
</tr>
<tr>
<td>013</td>
<td>Georgia/GA</td>
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<tr>
<td>015</td>
<td>Hawaii/HI</td>
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<tr>
<td>016</td>
<td>Idaho/ID</td>
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<tr>
<td>017</td>
<td>Illinois/IL</td>
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<tr>
<td>018</td>
<td>Indiana/IN</td>
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<tr>
<td>019</td>
<td>Iowa/IA</td>
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<td>Louisiana/LA</td>
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<td>Maine/ME</td>
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<td>024</td>
<td>Maryland/MD</td>
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<td>New Hampshire/NH</td>
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<td>New Jersey/NJ</td>
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<td>036</td>
<td>New York/NY</td>
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<td>037</td>
<td>North Carolina/NC</td>
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<td>North Dakota/ND</td>
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<td>Ohio/OH</td>
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<td>Oregon/OR</td>
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<td>042</td>
<td>Pennsylvania/PA</td>
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<td>044</td>
<td>Rhode Island/RI</td>
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<td>045</td>
<td>South Carolina/SC</td>
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<td>046</td>
<td>South Dakota/SD</td>
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<td>047</td>
<td>Tennessee/TN</td>
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<td>Texas/TX</td>
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<td>049</td>
<td>Utah/UT</td>
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<td>Vermont/VT</td>
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<td>Virginia/VA</td>
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<td>Washington/WA</td>
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<tr>
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<td>Wisconsin/WI</td>
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<td>056</td>
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<td>072</td>
<td>Puerto Rico</td>
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<td>109</td>
<td>France</td>
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<td>110</td>
<td>Germany</td>
</tr>
<tr>
<td>111</td>
<td>Northern Europe, Not Specified</td>
</tr>
<tr>
<td>113</td>
<td>Eastern Europe, Not Specified</td>
</tr>
<tr>
<td>114</td>
<td>Western Europe or Other Europe, Not Specified</td>
</tr>
<tr>
<td>120</td>
<td>Italy</td>
</tr>
<tr>
<td>134</td>
<td>Spain</td>
</tr>
</tbody>
</table>
138. United Kingdom, Excluding England
139. England
163. Russia
164. Ukraine (2017 or later)
200. Afghanistan
207. China, Hong Kong, Macau & Paracel Islands
210. India
213. Iraq (2016 or earlier)
214. Israel (2017 or later)
215. Japan
217. Korea
229. Nepal
231. Pakistan
233. Philippines
235. Saudi Arabia
240. Taiwan
242. Thailand
243. Turkey
245. United Arab Emirates (2017 or later)
247. Vietnam
251. Eastern Asia, Not Specified
252. Western Asia, Not Specified
253. South Central Asia or Asia, Not Specified
301. Canada
303. Mexico
312. El Salvador
313. Guatemala
314. Honduras
317. Central America, Not Specified
327. Cuba
329. Dominican Republic
332. Haiti
333. Jamaica
344. Caribbean and North America, Not Specified
362. Brazil
364. Colombia
365. Ecuador (2017 or later)
370. Peru (2017 or later)
373. Venezuela (2017 or later)
374. South America, Not Specified
414. Egypt
416. Ethiopia (2017 or later)
427. Kenya (2017 or later)
440. Nigeria
467. Western Africa, Not Specified
468. Northern Africa or Other Africa, Not Specified
469. Eastern Africa, Not Specified
501. Australia
555. Other US Island Areas, Oceania, Not Specified, or At Sea

MSP

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

**NAICSP Character 8**

**NAICS Industry code based on 2012 NAICS codes**

- Not in universe (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
- AGR-Crop Production
- AGR-Animal Production And Aquaculture
- AGR-Logging
- AGR-Forestry Except Logging
- AGR-Fishing, Hunting, And Trapping
- AGR-Support Activities For Agriculture And Forestry
- EXT-Oil And Gas Extraction
- EXT-Coal Mining
- EXT-Metal Ore Mining
- EXT-Nonmetallic Mineral Mining And Quarrying
- EXT-Support Activities For Mining
- UTL-Electric Power Generation, Transmission And Distribution
- UTL-Natural Gas Distribution
- UTL-Sewage Treatment Facilities
- UTL-Water, Steam, Air Conditioning, And Irrigation Systems
- UTL-Electric And Gas, And Other Combinations
- UTL-Not Specified Utilities
- CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)
- MFG-Sugar And Confectionery Products
- MFG-Fruit And Vegetable Preserving And Specialty Foods
- MFG-Dairy Products
- MFG-Animal Slaughtering And Processing
- MFG-Retail Bakeries
- MFG-Bakeries And Tortilla, Except Retail Bakeries
- MFG-Animal Food, Grain And Oilseed Milling
- MFG-Seafood And Other Miscellaneous Foods, N.E.C.
- MFG-Not Specified Food Industries
- MFG-Beverage
- MFG-Tobacco
- MFG-Fiber, Yarn, And Thread Mills
- MFG-Fabric Mills, Except Knitting Mills
- MFG-Textile And Fabric Finishing And Fabric Coating Mills
- MFG-Carpet And Rug Mills
- MFG-Textile Product Mills, Except Carpet And Rug
- MFG-Cut And Sew Apparel
- MFG-Apparel Accessories And Other Apparel
- MFG-Footwear
- MFG-Leather Tanning And Finishing And Other Allied Products Manufacturing
- MFG-Knitting Fabric Mills, And Apparel Knitting Mills
- MFG-Sawmills And Wood Preservation
- MFG-Veneer, Plywood, And Engineered Wood Products
- MFG-Prefabricated Wood Buildings And Mobile Homes
- MFG-Miscellaneous Wood Products
- MFG-Pulp, Paper, And Paperboard Mills
32221 .MFG-Paperboard Container
3222M .MFG-Miscellaneous Paper And Pulp Products
3231 .MFG-Printing And Related Support Activities
32411 .MFG-Petroleum Refining
3241M .MFG-Miscellaneous Petroleum And Coal Products
3252 .MFG-Resin, Synthetic Rubber, And Fibers And Filaments
3253 .MFG-Agricultural Chemicals
3254 .MFG-Pharmaceuticals And Medicines
3255 .MFG-Paint, Coating, And Adhesives
3256 .MFG-Soap, Cleaning Compound, And Cosmetics
325M .MFG-Industrial And Miscellaneous Chemicals
3261 .MFG-Plastics Products
32621 .MFG-Tires
3262M .MFG-Rubber Products, Except Tires
32711 .MFG-Pottery, Ceramics, And Plumbing Fixture .Manufacturing
327120 .MFG- Clay Building Material And Refractories
3272 .MFG-Glass And Glass Products
3279 .MFG-Miscellaneous Nonmetallic Mineral Products
327M .MFG-Cement, Concrete, Lime, And Gypsum Products
3313 .MFG-Aluminum Production And Processing
3314 .MFG-Nonferrous Metal, Except Aluminum, Production And .Processing
3315 .MFG-Foundries
331M .MFG-Iron And Steel Mills And Steel Products
3321 .MFG-Metal Forgings And Stampings
3322 .MFG-Cutlery And Hand Tools
3327 .MFG-Machine Shops; Turned Products; Screws, Nuts And .Bolts
3328 .MFG-Coating, Engraving, Heat Treating And Allied .Activities
33299M .MFG-Ordnance
332M .MFG-Structural Metals, And Boiler, Tank, And Shipping .Containers
332MZ .MFG-Miscellaneous Fabricated Metal Products
33311 .MFG-Agricultural Implements
3331M .MFG-Construction, And Mining And Oil And Gas Field .Machinery
3333 .MFG-Commercial And Service Industry Machinery
3335 .MFG-Metalworking Machinery
3336 .MFG-Engine, Turbine, And Power Transmission Equipment
333MS .MFG-Machinery, Manufacturing, N.E.C. Or Not Specified
3341 .MFG-Computer And Peripheral Equipment
3345 .MFG-Navigational, Measuring, Electromedical, And .Control Instruments
334M1 .MFG-Communications, And Audio And Video Equipment
334M2 .MFG-Electronic Components And Products, N.E.C.
3352 .MFG-Household Appliances
335M .MFG-Electric Lighting And Electrical Equipment .Manufacturing, And Other Electrical Component .Manufacturing, 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 Manufacturing
3399ZM .MFG-Miscellaneous Manufacturing, N.E.C.
33MS .MFG-Not Specified Metal Industries
3MS .MFG-Not Specified 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-Electronic Markets And Agents And Brokers
42S .WHL-Not Specified Trade
4411 .RET-Automobile Dealers
4412 .RET-Other Motor Vehicle Dealers
4413 .RET-Automotive Parts, Accessories, And Tire Stores
442 .RET-Furniture And Home Furnishings Stores
443141 .RET-Household Appliance Stores
443142 .RET-Electronics Stores
44413 .RET-Hardware Stores
44412 .RET-Building Material And Supplies Dealers
4442 .RET-Lawn And Garden Equipment And Supplies Stores
4451 .RET-Grocery Stores
4452 .RET-Specialty Food Stores
4453 .RET-Beer, Wine, And Liquor Stores
44611 .RET-Pharmacies And Drug Stores
4462 .RET-Health And Personal Care, Except Drug, Stores
447 .RET-Gasoline Stations
44821 .RET-Shoe Stores
4483 .RET-Jewelry, Luggage, And Leather Goods Stores
4481 .RET-Clothing Stores
45113 .RET-Sewing, Needlework And Piece Goods Stores
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>4511</td>
<td>RET-Musical Instrument And Supplies Stores</td>
</tr>
<tr>
<td>4511M</td>
<td>RET-Sporting Goods, And Hobby And Toy Stores</td>
</tr>
<tr>
<td>45121</td>
<td>RET-Book Stores And News Dealers</td>
</tr>
<tr>
<td>45211</td>
<td>RET-Department And Discount Stores</td>
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<tr>
<td>4529</td>
<td>RET-Miscellaneous General Merchandise Stores</td>
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<tr>
<td>4531</td>
<td>RET-Florists</td>
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<tr>
<td>45321</td>
<td>RET-Office Supplies And Stationery Stores</td>
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<tr>
<td>45322</td>
<td>RET-Gift, Novelty, And Souvenir Shops</td>
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<tr>
<td>4533</td>
<td>RET-Used Merchandise Stores</td>
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<tr>
<td>4539</td>
<td>RET-Miscellaneous Retail Stores</td>
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<td>RET-Electronic Shopping</td>
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<td>RET-Electronic Auctions</td>
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<td>4542</td>
<td>RET-Mail-Order Houses</td>
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<td>454310</td>
<td>RET-Vending Machine Operators</td>
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<tr>
<td>45439</td>
<td>RET-Other Direct Selling Establishments</td>
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<tr>
<td>4MS</td>
<td>RET-Not Specified Trade</td>
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<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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<tr>
<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>
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<tr>
<td>5111</td>
<td>INF-Newspaper Publishers</td>
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<td>511Z</td>
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<td>5121</td>
<td>INF-Motion Picture And Video Industries</td>
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<td>INF-Broadcasting, Except Internet</td>
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<td>5122</td>
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<td>51913</td>
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<tr>
<td>5221M</td>
<td>FIN-Savings Institutions, Including Credit Unions</td>
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<tr>
<td>522M</td>
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<tr>
<td>52M1</td>
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<tr>
<td>52M2</td>
<td>FIN-Securities, Commodities, Funds, Trusts, And</td>
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<td>531</td>
<td>FIN-Real Estate</td>
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<td>5321</td>
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<td>.PRF-Other Professional, Scientific And Technical Services</td>
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<td>.PRF-Management Of Companies And Enterprises</td>
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<td>56173</td>
<td>.PRF-Landscaping Services</td>
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<td>.PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)</td>
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<td>.PRF-Other Administrative, And Other Support Services</td>
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<td>.EDU-Elementary And Secondary Schools</td>
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<td>711</td>
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<td>712</td>
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<td>.ENT-Recreational Vehicle Parks And Camps, And Rooming And Boarding Houses</td>
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4. Living with two parents: Both parents FOREIGN BORN
5. Living with father only: Father NATIVE
6. Living with father only: Father FOREIGN BORN

### NATIVITY Character 1

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7. Living with mother only: Mother NATIVE
8. Living with mother only: Mother FOREIGN BORN

OC
Character 1
Own child
0. No (includes GQ)
1. Yes

OCCP
Character 4
Occupation recode based on 2010 OCC codes
0010. MGR-Chief Executives And Legislators
0020. MGR-General And Operations Managers
0040. MGR-Advertising And Promotions Managers
0050. MGR-Marketing And Sales Managers
0060. MGR-Public Relations And Fundraising Managers
0100. MGR-Administrative Services Managers
0110. MGR-Computer And Information Systems Managers
0120. MGR-Financial Managers
0135. MGR-Compensation And Benefits Managers
0136. MGR-Human Resources Managers
0137. MGR-Training And Development Managers
0140. MGR-Industrial Production Managers
0150. MGR-Purchasing Managers
0160. MGR-Transportation, Storage, And Distribution Managers
0205. MGR-Farmers, Ranchers, And Other Agricultural Managers
0220. MGR-Construction Managers
0230. MGR-Education Administrators
0300. MGR-Architectural And Engineering Managers
0310. MGR-Food Service Managers
0330. MGR-Gaming Managers
0340. MGR-Lodging Managers
0350. MGR-Medical And Health Services Managers
0360. MGR-Natural Sciences Managers
0410. MGR-Property, Real Estate, And Community Association Managers
0420. MGR-Social And Community Service Managers
0425. MGR-Emergency Management Directors
0430. MGR-Miscellaneous Managers, Including Funeral Service Managers And Postmasters And Mail Superintendents
0500. BUS-Agents And Business Managers Of Artists, Performers, And Athletes
0510. BUS-Buyers And Purchasing Agents, Farm Products
0520. BUS-Wholesale And Retail Buyers, Except Farm Products
0530. BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products
0540. BUS-Claims Adjusters, Appraisers, Examiners, And Investigators
0565. BUS-Compliance Officers
0600. BUS-Cost Estimators
0630. BUS-Human Resources Workers
0640. BUS-Compensation, Benefits, And Job Analysis Specialists
0650. BUS-Training And Development Specialists
0700. BUS-Logisticians
0710. BUS-Management Analysts
0725. BUS-Meeting, Convention, And Event Planners
0726 .BUS-Fundraisers
0735 .BUS-Market Research Analysts And Marketing Specialists
0740 .BUS-Business Operations Specialists, All Other
0800 .FIN-Accountants And Auditors
0810 .FIN-Appraisers And Assessors Of Real Estate
0820 .FIN-Budget Analysts
0830 .FIN-Credit Analysts
0840 .FIN-Financial Analysts
0850 .FIN-Personal Financial Advisors
0860 .FIN-Insurance Underwriters
0900 .FIN-Financial Examiners
0910 .FIN-Credit Counselors And Loan Officers
0930 .FIN-Tax Examiners And Collectors, And Revenue Agents
0940 .FIN-Tax Preparers
0950 .FIN-Financial Specialists, All Other
1005 .CMM-Computer And Information Research Scientists
1006 .CMM-Computer Systems Analysts
1007 .CMM-Information Security Analysts
1010 .CMM-Computer Programmers
1020 .CMM-Software Developers, Applications And Systems Software
1030 .CMM-Web Developers
1050 .CMM-Computer Support Specialists
1060 .CMM-Database Administrators
1105 .CMM-Network And Computer Systems Administrators
1106 .CMM-Computer Network Architects
1107 .CMM-Computer Occupations, All Other
1200 .CMM-Actuaries
1220 .CMM-Operations Research Analysts
1240 .CMM-Miscellaneous Mathematical Science Occupations, Including Mathematicians And Statisticians
1300 .ENG-Architects, Except Naval
1310 .ENG-Surveyors, Cartographers, And Photogrammetrists
1320 .ENG-Aerospace Engineers
1340 .ENG-Biomedical And Agricultural Engineers
1350 .ENG-Chemical Engineers
1360 .ENG-Civil Engineers
1400 .ENG-Computer Hardware Engineers
1410 .ENG-Electrical And Electronics Engineers
1420 .ENG-Environmental Engineers
1430 .ENG-Industrial Engineers, Including Health And Safety
1440 .ENG-Marine Engineers And Naval Architects
1450 .ENG-Materials Engineers
1460 .ENG-Mechanical Engineers
1520 .ENG-Petroleum, Mining And Geological Engineers, Including Mining Safety Engineers
1530 .ENG-Miscellaneous Engineers, Including Nuclear Engineers
1540 .ENG-Drafters
1550 .ENG-Engineering Technicians, Except Drafters
1560 .ENG-Surveying And Mapping Technicians
1600 .SCI-Agricultural And Food Scientists
1610 .SCI-Biological Scientists
1640 .SCI-Conservation Scientists And Foresters
1650 .SCI-Medical Scientists, And Life Scientists, All Other
1700 .SCI-Astronomers And Physicists
1710 .SCI-Atmospheric And Space Scientists
1720 .SCI-Chemists And Materials Scientists
1740 .SCI-Environmental Scientists And Geoscientists
1760 .SCI-Physical Scientists, All Other
1800 .SCI-Economists
1820 .SCI-Psychologists
1840 .SCI-Urban And Regional Planners
1860 .SCI-Miscellaneous Social Scientists, Including Survey Researchers And Sociologists
1900 .SCI-Agricultural And Food Science Technicians
1910 .SCI-Biological Technicians
1920 .SCI-Chemical Technicians
1930 .SCI-Geological And Petroleum Technicians, And Nuclear Technicians
1965 .SCI-Miscellaneous Life, Physical, And Social Science Technicians, Including Social Science Research Assistants
2000 .CMS-Counselors
2010 .CMS-Social Workers
2015 .CMS-Probation Officers And Correctional Treatment Specialists
2016 .CMS-Social And Human Service Assistants
2025 .CMS-Miscellaneous Community And Social Service Specialists, Including Health Educators And Community Health Workers
2040 .CMS-Clergy
2050 .CMS-Directors, Religious Activities And Education
2060 .CMS-Religious Workers, All Other
2100 .LGL-Lawyers, And Judges, Magistrates, And Other Judicial Workers
2105 .LGL-Judicial Law Clerks
2145 .LGL-Paralegals And Legal Assistants
2160 .LGL-Miscellaneous Legal Support Workers
2200 .EDU-Postsecondary Teachers
2300 .EDU-Preschool And Kindergarten Teachers
2310 .EDU-Elementary And Middle School Teachers
2320 .EDU-Secondary School Teachers
2330 .EDU-Special Education Teachers
2340 .EDU-Other Teachers And Instructors
2400 .EDU-Archivists, Curators, And Museum Technicians
2430 .EDU-Librarians
2440 .EDU-Library Technicians
2540 .EDU-Teacher Assistants
2550 .EDU-Other Education, Training, And Library Workers
2600 .ENT-Artists And Related Workers
2630 .ENT-Designers
2700 .ENT-Actors
2710 .ENT-Producers And Directors
2720 .ENT-Athletes, Coaches, Umpires, And Related Workers
2740 .ENT-Dancers And Choreographers
2750 .ENT-Musicians, Singers, And Related Workers
2760 .ENT-Entertainers And Performers, Sports And Related Workers, All Other
2800 .ENT-Announcers
2810 .ENT-News Analysts, Reporters And Correspondents
2825 .ENT-Public Relations Specialists
2830 .ENT-Editors
2840 .ENT-Technical Writers
2850 .ENT-Writers And Authors
2860 .ENT-Miscellaneous Media And Communication Workers
2900 .ENT-Broadcast And Sound Engineering Technicians And Radio Operators, And Media And Communication Equipment Workers, All Other
2910 .ENT-Photographers
2920 .ENT-Television, Video, And Motion Picture Camera Operators And Editors
3000 .MED-Chiropractors
3010 .MED-Dentists
3030 .MED-Dietitians And Nutritionists
3040 .MED-Optometrists
3050 .MED-Pharmacists
3060 .MED-Physicians And 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, Including Exercise Physiologists
3250 .MED-Veterinarians
3255 .MED-Registered Nurses
3256 .MED-Nurse Anesthetists
3258 .MED-Nurse Practitioners, And Nurse Midwives
3260 .MED-Health Diagnosing And Treating Practitioners, All Other
3300 .MED-Clinical Laboratory Technologists And Technicians
3310 .MED-Dental Hygienists
3320 .MED-Diagnostic Related Technologists And Technicians
3400 .MED-Emergency Medical Technicians And Paramedics
3420 .MED-Health Practitioner Support Technologists And Technicians
3500 .MED-Licensed Practical And Licensed Vocational Nurses
3510 .MED-Medical Records And Health Information Technicians
3520 .MED-Opticians, Dispensing
3535 .MED-Miscellaneous Health Technologists And Technicians
3540 .MED-Other Healthcare Practitioners And Technical Occupations
3600 .HLS-Nursing, Psychiatric, And Home Health 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-Healthcare Support Workers, All Other, Including Medical Equipment Preparers
3700 .PRT-First-Line Supervisors Of Correctional Officers
3710 .PRT-First-Line Supervisors Of Police And Detectives
3720 .PRT-First-Line Supervisors Of Fire Fighting And Prevention Workers
3730 .PRT-First-Line Supervisors Of Protective Service Workers, All Other
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<td>PRT-Detectives And Criminal Investigators</td>
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<td>PRT-Police Officers</td>
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<td>PRT-Private Detectives And Investigators</td>
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<td>4930</td>
<td>SAL-Telemarketers</td>
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<tr>
<td>4950</td>
<td>SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers</td>
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<td>SAL-Sales And Related Workers, All Other</td>
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<tr>
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<td>OFF-First-Line Supervisors Of Office And Administrative Support Workers</td>
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<td>OFF-Communications Equipment Operators, All Other</td>
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<td>5530</td>
<td>.OFF-Meter Readers, Utilities</td>
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<td>.OFF-Postal Service Clerks</td>
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<td>5550</td>
<td>.OFF-Postal Service Mail Carriers</td>
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<td>5560</td>
<td>.OFF-Postal Service Mail Sorters, Processors, And Processing Machine Operators</td>
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<td>.OFF-Production, Planning, And Expediting Clerks</td>
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<tr>
<td>5610</td>
<td>.OFF-Shipping, Receiving, And Traffic Clerks</td>
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<td>.OFF-Stock Clerks And Order Fillers</td>
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<td>.OFF-Weighers, Measurers, Checkers, And Samplers, Recordkeeping</td>
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<td>5700</td>
<td>.OFF-Secretaries And Administrative Assistants</td>
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<td>5800</td>
<td>.OFF-Computer Operators</td>
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<td>.OFF-Data Entry Keyers</td>
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<td>.OFF-Insurance Claims And Policy Processing Clerks</td>
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<tr>
<td>5850</td>
<td>.OFF-Mail Clerks And Mail Machine Operators, Except Postal Service</td>
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<td>.OFF-Office Clerks, General</td>
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<td>5900</td>
<td>.OFF-Office Machine Operators, Except Computer</td>
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<tr>
<td>5910</td>
<td>.OFF-Proofreaders And Copy Markers</td>
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<tr>
<td>5920</td>
<td>.OFF-Statistical Assistants</td>
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<tr>
<td>5940</td>
<td>.OFF-Miscellaneous Office And Administrative Support Workers, Including Desktop Publishers</td>
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<tr>
<td>6005</td>
<td>.FFF-First-Line Supervisors Of Farming, Fishing, And Forestry Workers</td>
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<tr>
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<td>.FFF-Agricultural Inspectors</td>
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<td>.FFF-Graders And Sorters, Agricultural Products</td>
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<td>.FFF-Miscellaneous Agricultural Workers, Including Animal Breeders</td>
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<tr>
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<td>.FFF-Fishing And Hunting Workers</td>
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<td>.FFF-Forest And Conservation Workers</td>
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<td>6130</td>
<td>.FFF-Logging Workers</td>
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<td>6200</td>
<td>.CON-First-Line Supervisors Of Construction Trades And Extraction Workers</td>
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<tr>
<td>6210</td>
<td>.CON-Boilermakers</td>
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<tr>
<td>6220</td>
<td>.CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing Iron And Rebar Workers</td>
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<td>.CON-Carpenters</td>
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<td>6240</td>
<td>.CON-Carpet, Floor, And Tile Installers And Finishes</td>
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<td>.CON-Cement Masons, Concrete Finishers, And Terrazzo Workers</td>
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<td>6260</td>
<td>.CON-Construction Laborers</td>
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<tr>
<td>6300</td>
<td>.CON-Paving, Surfacing, And Tamping Equipment Operators</td>
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<td>.CON-Construction Equipment Operators, Except Paving, Surfacing, And Tamping Equipment Operators</td>
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<td>6330</td>
<td>.CON-Drywall Installers, Ceiling Tile Installers, And Tapers</td>
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<td>.CON-Electricians</td>
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<td>.CON-Glaziers</td>
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<td>.CON-Insulation Workers</td>
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<td>6420</td>
<td>.CON-Painters And Paperhangers</td>
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<td>.CON-Pipelayers, Plumbers, Pipefitters, And Steamfitters</td>
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<td>.CON-Plasterers And Stucco Masons</td>
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<tr>
<td>6515</td>
<td>.CON-Roofers</td>
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<td>.CON-Sheet Metal Workers</td>
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<tr>
<td>6530</td>
<td>.CON-Structural Iron And Steel Workers</td>
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<tr>
<td>6600</td>
<td>.CON-Helpers, Construction Trades</td>
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<tr>
<td>6660</td>
<td>.CON-Construction And Building Inspectors</td>
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<tr>
<td>6700</td>
<td>.CON-Elevator Installers And Repairers</td>
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6710 .CON-Fence Erectors
6720 .CON-Hazardous Materials Removal Workers
6730 .CON-Highway Maintenance Workers
6740 .CON-Rail-Track Laying And Maintenance Equipment Operators
6755 .CON-Miscellaneous Construction Workers, Including Solar.
                    Photovoltaic Installers, Septic Tank Servicers And Sewer.
                    Pipe Cleaners
6800 .EXT-Derrick, Rotary Drill, And Service Unit Operators, And
                    Roustabouts, Oil, Gas, And Mining
6820 .EXT-Earth Drillers, Except Oil And Gas
6830 .EXT-Explosives Workers, Ordnance Handling Experts, And
                    Blasters
6840 .EXT-Mining Machine Operators
6940 .EXT-Miscellaneous Extraction Workers, Including Roof.
                    Bolters And Helpers
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-Electrical And Electronics Repairers, Transportation.
                    Equipment, And Industrial And Utility
7110 .RPR-Electronic Equipment Installers And Repairers, Motor.
                    Vehicles
7120 .RPR-Electronic Home Entertainment 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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>7630</td>
<td>Miscellaneous Installation, Maintenance, And Repair Workers, Including Wind Turbine Service Technicians</td>
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<td>First-Line Supervisors Of Production And Operating Workers</td>
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<tr>
<td>7710</td>
<td>Aircraft Structure, Surfaces, Rigging, And Systems Assemblers</td>
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<td>7720</td>
<td>Electrical, Electronics, And Electromechanical Assemblers</td>
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<td>7730</td>
<td>Engine And Other Machine Assemblers</td>
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<td>7740</td>
<td>Structural Metal Fabricators And Fitters</td>
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<td>Miscellaneous Assemblers And Fabricators</td>
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<td>Bakers</td>
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<td>7810</td>
<td>Butchers And Other Meat, Poultry, And Fish Processing Workers</td>
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<td>Food Roasting, Baking, And Drying Machine Operators And Tenders</td>
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<td>Food Batchmakers</td>
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<td>Cooking Machine Operators And Tenders</td>
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<td>Food Processing Workers, All Other</td>
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<td>Computer Control Programmers And Operators</td>
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<td>Extruding And Drawing Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>Forging Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>Rolling Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>Machine Tool Cutting Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>Machinists</td>
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<td>Metal Furnace Operators, Tenders, Pourers, And Casters</td>
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<td>Model Makers, Patternmakers, And Molding Machine Setters, Metal And Plastic</td>
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<td>8130</td>
<td>Tool And Die Makers</td>
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<td>8140</td>
<td>Welding, Soldering, And Brazing Workers</td>
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<td>Miscellaneous Metal Workers And Plastic Workers, Including Multiple Machine Tool Setters</td>
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<td>Printing Press Operators</td>
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<td>Pressers, Textile, Garment, And Related Materials</td>
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<td>Shoe And Leather Workers</td>
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<td>Textile Bleaching And Dyeing, And Cutting Machine Setters, Operators, And Tenders</td>
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<td>Textile Knitting And Weaving Machine Setters, Operators, And Tenders</td>
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<td>Textile Winding, Twisting, And Drawing Out Machine Setters, Operators, And Tenders</td>
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<td>Cabinetmakers And Bench Carpenters</td>
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<td>Sawing Machine Setters, Operators, And Tenders, Wood</td>
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<td>PRD-Woodworking Machine Setters, Operators, And Tenders, Except Sawing</td>
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<td>PRD-Miscellaneous Woodworkers, Including Model Makers And Patternmakers</td>
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<td>PRD-Power Plant Operators, Distributors, And Dispatchers</td>
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<td>PRD-Stationary Engineers And Boiler Operators</td>
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<td>8620</td>
<td>PRD-Water And Wastewater Treatment Plant And System Operators</td>
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<td>PRD-Miscellaneous Plant And System Operators</td>
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<td>PRD-Chemical Processing Machine Setters, Operators, And Tenders</td>
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<td>PRD-Crushing, Grinding, Polishing, Mixing, And Blending Workers</td>
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<td>PRD-Cutting Workers</td>
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<td>PRD-Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders</td>
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<td>PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders</td>
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<td>PRD-Inspectors, Testers, Sorters, Samplers, And Weighers</td>
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<td>PRD-Jewelers And Precious Stone And Metal Workers</td>
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<td>PRD-Medical, Dental, And Ophthalmic Laboratory Technicians</td>
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<td>8800</td>
<td>PRD-Packaging And Filling Machine Operators And Tenders</td>
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<td>PRD-Painting Workers</td>
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<td>8830</td>
<td>PRD-Photographic Process Workers And Processing Machine Operators</td>
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<td>PRD-Adhesive Bonding Machine Operators And Tenders</td>
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<td>PRD-Etchers And Engravers</td>
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<td>PRD-Molders, Shapers, And Casters, Except Metal And Plastic</td>
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<td>PRD-Paper Goods Machine Setters, Operators, And Tenders</td>
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<td>PRD-Tire Builders</td>
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<td>PRD-Helpers-Production Workers</td>
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<td>TRN-Supervisors Of Transportation And Material Moving Workers</td>
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<td>TRN-Aircraft Pilots And Flight Engineers</td>
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<td>TRN-Air Traffic Controllers And Airfield Operations Specialists</td>
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<td>TRN-Flight Attendants</td>
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<td>9110</td>
<td>TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians</td>
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<td>TRN-Bus Drivers</td>
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<td>TRN-Driver/Sales Workers And Truck Drivers</td>
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<td>TRN-Taxi Drivers And Chauffeurs</td>
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<td>9150</td>
<td>TRN-Motor Vehicle Operators, All Other</td>
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<td>TRN-Locomotive Engineers And Operators</td>
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<td>9240</td>
<td>TRN-Railroad Conductors And Yardmasters</td>
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<td>9260</td>
<td>TRN-Subway, Streetcar, And Other Rail Transportation Workers</td>
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<td>TRN-Sailors And Marine Oilers, And Ship Engineers</td>
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<td>TRN-Ship And Boat Captains And Operators</td>
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<td>TRN-Parking Lot Attendants</td>
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<td>TRN-Automotive And Watercraft Service Attendants</td>
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<td>TRN-Transportation Inspectors</td>
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<td>TRN-Transportation Attendants, Except Flight Attendants</td>
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<tr>
<td>9420</td>
<td>TRN-Miscellaneous Transportation Workers, Including Bridge And Lock Tenders And Traffic Technicians</td>
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9510 .TRN-Crane And Tower Operators
9520 .TRN-Dredge, Excavating, And Loading Machine Operators
9560 .TRN-Conveyor Operators And Tenders, And Hoist And Winch Operators
9600 .TRN-Industrial Truck And Tractor Operators
9610 .TRN-Cleaners Of Vehicles And Equipment
9620 .TRN-Laborers And Freight, Stock, And Material Movers, Hand
9630 .TRN-Machine Feeders And Offbearers
9640 .TRN-Packers And Packagers, Hand
9650 .TRN-Pumping Station Operators
9720 .TRN-Refuse And Recyclable Material Collectors
9750 .TRN-Miscellaneous Material Moving Workers, Including Mine Shuttle Car Operators, And Tank Car, Truck, And Ship Loaders
9800 .MIL-Military Officer Special And Tactical Operations Leaders
9810 .MIL-First-Line Enlisted Military Supervisors
9820 .MIL-Military Enlisted Tactical Operations And Air/Weapons Specialists And Crew Members
9830 .MIL-Military, Rank Not Specified
9920 .Unemployed And Last Worked 5 Years Ago Or Earlier Or Never Worked

PAOC Character 1
Presence and age of own children
b .N/A (male/female under 16 years old/GQ)
1 .Females with own children under 6 years only
2 .Females with own children 6 to 17 years only
3 .Females with own children under 6 years and 6 to 17 years
4 .Females with no own children

PERNP Numeric 7
Total person's earnings (use ADJINC to adjust to constant dollars)
bbbbbbbb .N/A (less than 15 years old)
0000000 .No earnings
-010000 .Loss of $10000 or more (Rounded & bottom-coded components)
-009999..-000001 .Loss $1 to $9999 (Rounded components)
0000001 .$1 or break even
0000002..1999998 .Loss $1 to $19999 (Rounded components)

PINCP Numeric 7
Total person's income (signed, use ADJINC to adjust to constant dollars)
bbbbbbbb .N/A (less than 15 years old)
0000000 .None
-019998 .Loss of $19999 or more (Rounded & bottom-coded components)
-000001..-019997 .Loss $1 to $19997 (Rounded components)
0000001 .$1 or break even
0000002..4209995 .Loss $1 to $4209995 (Rounded & top-coded components)

POBP Character 3
Place of birth (Recode)
001 .Alabama/AL
002 .Alaska/AK
004 .Arizona/AZ
005 .Arkansas/AR
006 .California/CA
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
060 .American Samoa
066 .Guam
069 .Commonwealth of the Northern Mariana Islands
072 .Puerto Rico
078 .US Virgin Islands
100 .Albania
102 .Austria
103 .Belgium
<table>
<thead>
<tr>
<th></th>
<th>Country</th>
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<tr>
<td>214</td>
<td>Israel</td>
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<td>215</td>
<td>Japan</td>
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<td>Jordan</td>
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<td>218</td>
<td>Kazakhstan</td>
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<td>219</td>
<td>Kyrgyzstan (2017 or later)</td>
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<td>222</td>
<td>Kuwait</td>
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<td>223</td>
<td>Laos</td>
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<td>224</td>
<td>Lebanon</td>
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<td>226</td>
<td>Malaysia</td>
</tr>
<tr>
<td>228</td>
<td>Mongolia (2017 or later)</td>
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<td>229</td>
<td>Nepal</td>
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<td>Turkey</td>
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<td>South Central Asia, Not Specified</td>
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<td>Other Asia, Not Specified</td>
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<td>Bermuda</td>
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<td>Panama</td>
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<td>321</td>
<td>Antigua &amp; Barbuda</td>
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<td>Bahamas</td>
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<td>333</td>
<td>Jamaica</td>
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<tr>
<td>338</td>
<td>St. Kitts-Nevis (2017 or later)</td>
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<tr>
<td>339</td>
<td>St. Lucia</td>
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<td>340</td>
<td>St. Vincent &amp; the Grenadines</td>
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<td>341</td>
<td>Trinidad &amp; Tobago</td>
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<td>343</td>
<td>West Indies</td>
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<td>344</td>
<td>Caribbean, Not Specified</td>
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<td>360</td>
<td>Argentina</td>
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<td>Bolivia</td>
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<td>Brazil</td>
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<tr>
<td>363</td>
<td>Chile</td>
</tr>
</tbody>
</table>
POVPPI

POVPPI

Numeric 3

Income-to-poverty ratio recode

bbb  N/A

000..500 Below 501 percent
501 .501 percent or more

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

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

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

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

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

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

RAC2P Character 2
Recoded detailed race code
01 .White alone
02 .Black or African American alone
03 .Apache alone

101
04 .Blackfeet alone
05 .Cherokee alone
06 .Cheyenne alone
07 .Chickasaw alone
08 .Chippewa alone
09 .Choctaw alone
10 .Comanche alone
11 .Creek alone
12 .Crow alone
13 .Hopi alone
14 .Iroquois alone
15 .Lumbee alone
16 .Mexican American Indian alone
17 .Navajo alone
18 .Pima alone
19 .Potawatomi alone
20 .Pueblo alone
21 .Puget Sound Salish alone
22 .Seminole alone
23 .Sioux alone
24 .South American Indian alone
25 .Tohono O'Odham alone
26 .Yaqui alone
27 .Other specified American Indian tribes alone
28 .All other specified American Indian tribe combinations
29 .American Indian, tribe not specified
30 .Alaskan Athabascan alone
31 .Tlingit-Haida alone
32 .Inupiat alone
33 .Yup'ik alone
34 .Aleut alone
35 .Other Alaska Native
36 .Other American Indian and Alaska Native specified
37 .American Indian and Alaska Native, not specified
38 .Asian Indian alone
39 .Bangladeshi alone
40 .Bhutanese alone
41 .Burmese alone
42 .Cambodian alone
43 .Chinese, except Taiwanese, alone
44 .Taiwanese alone
45 .Filipino alone
46 .Hmong alone
47 .Indonesian alone
48 .Japanese alone
49 .Korean alone
50 .Laotian alone
51 .Malaysian alone
52 .Mongolian alone
53 .Nepalese alone
54 .Pakistani alone
55 .Sri Lankan alone
56 .Thai alone
57 .Vietnamese alone
58 .Other Asian alone
59 .All combinations of Asian races only
60 .Native Hawaiian alone
61. Samoan alone
62. Tongan alone
63. Guamanian or Chamorro alone
64. Marshallese alone
65. Fijian alone
66. Other Native Hawaiian and Other Pacific Islander
67. Some Other Race alone
68. Two or More Races

**RAC3P**  **Character**  3
Recoded detailed race code
001. White alone
002. Black or African American alone
003. American Indian and Alaska Native alone
004. Asian Indian alone
005. Chinese alone
006. Filipino alone
007. Japanese alone
008. Korean alone
009. Vietnamese alone
010. Other Asian alone
011. Native Hawaiian alone
012. Guamanian or Chamorro alone
013. Samoan alone
014. Other Pacific Islander alone
015. Some Other Race alone
016. White; Black or African American
017. White; American Indian and Alaska Native
018. White; Asian Indian
019. White; Chinese
020. White; Filipino
021. White; Japanese
022. White; Korean
023. White; Vietnamese
024. White; Other Asian
025. White; Native Hawaiian
026. White; Guamanian or Chamorro
027. White; Samoan
028. White; Other Pacific Islander
029. White; Some Other Race
030. Black or African American; American Indian and Alaska Native
031. Black or African American; Asian Indian
032. Black or African American; Chinese
033. Black or African American; Filipino
034. Black or African American; Japanese
035. Black or African American; Korean
036. Black or African American; Other Asian
037. Black or African American; Other Pacific Islander
038. Black or African American; Some Other Race
039. American Indian and Alaska Native; Asian Indian
040. American Indian and Alaska Native; Filipino
041. American Indian and Alaska Native; Some Other Race
042. Asian Indian; Other Asian
043. Asian Indian; Some Other Race
044. Chinese; Filipino
045. Chinese; Japanese
046. Chinese; Korean
047 .Chinese; Vietnamese
048 .Chinese; Other Asian
049 .Chinese; Native Hawaiian
050 .Filipino; Japanese
051 .Filipino; Native Hawaiian
052 .Filipino; Other Pacific Islander
053 .Filipino; Some Other Race
054 .Japanese; Korean
055 .Japanese; Native Hawaiian
056 .Vietnamese; Other Asian
057 .Other Asian; Other Pacific Islander
058 .Other Asian; Some Other Race
059 .Other Pacific Islander; Some Other Race
060 .White; Black or African American; American Indian and Alaska Native
061 .White; Black or African American; Filipino
062 .White; Black or African American; Some Other Race
063 .White; American Indian and Alaska Native; Filipino
064 .White; American Indian and Alaska Native; Some Other Race
065 .White; Chinese; Filipino
066 .White; Chinese; Japanese
067 .White; Chinese; Native Hawaiian
068 .White; Filipino; Native Hawaiian
069 .White; Japanese; Native Hawaiian
070 .White; Other Asian; Some Other Race
071 .Chinese; Filipino; Native Hawaiian
072 .White; Chinese; Filipino; Native Hawaiian
073 .White; Chinese; Japanese; Native Hawaiian
074 .Black or African American; Asian groups
075 .Black or African American; Native Hawaiian and Other Pacific Islander groups
076 .Asian Indian; Asian groups
077 .Filipino; Asian groups
078 .White; Black or African American; Asian groups
079 .White; American Indian and Alaska Native; Asian groups
080 .White; Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
081 .White; Black or African American; American Indian and Alaska Native; Asian groups
082 .White; Black or African American; American Indian and Alaska Native; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
083 .White; Black or African American; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
084 .White; American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups
085 .White; Chinese; Filipino; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
086 .White; Chinese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
087 .White; Filipino; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
088 .White; Japanese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
089 .White; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
090 .Black or African American; American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
091 .Black or African American; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
092 .American Indian and Alaska Native; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
093 .Asian Indian; and/or White; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
094 .Chinese; Japanese; Native Hawaiian; and/or other Asian and/or Pacific Islander groups
095 .Chinese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
096 .Filipino; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
097 .Japanese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
098 .Korean; and/or Vietnamese; and/or Other Asian; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race
099 .Native Hawaiian; and/or Pacific Islander groups; and/or Some Other Race
100 .White; and/or Black or African American; and/or American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

**RACA**

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
0 .No (includes GQ)
1 .Yes

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

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

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

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

**SOC Occupation recode based on 2010 SOC codes**

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<tr>
<th>Code</th>
<th>Occupation</th>
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<tr>
<td>bbbbbbb</td>
<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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<tr>
<td>1110XX</td>
<td>MGR-Chief Executives And Legislators</td>
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<tr>
<td>111021</td>
<td>MGR-General And Operations Managers</td>
</tr>
<tr>
<td>112011</td>
<td>MGR-Advertising And Promotions Managers</td>
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<tr>
<td>112020</td>
<td>MGR-Marketing And Sales Managers</td>
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<tr>
<td>112031</td>
<td>MGR-Public Relations And Fundraising Managers</td>
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<tr>
<td>113011</td>
<td>MGR-Administrative Services Managers</td>
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<tr>
<td>113021</td>
<td>MGR-Computer And Information Systems Managers</td>
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<tr>
<td>113031</td>
<td>MGR-Financial Managers</td>
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<tr>
<td>113111</td>
<td>MGR-Compensation And Benefits Managers</td>
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<td>113121</td>
<td>MGR-Human Resources Managers</td>
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<tr>
<td>113131</td>
<td>MGR-Training And Development Managers</td>
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<td>113051</td>
<td>MGR-Industrial Production Managers</td>
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<tr>
<td>113061</td>
<td>MGR-Purchasing Managers</td>
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<tr>
<td>113071</td>
<td>MGR-Transportation, Storage, And Distribution Managers</td>
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<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 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>119071</td>
<td>MGR-Gaming 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>
<td>MGR-Property, Real Estate, And Community Association Managers</td>
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<tr>
<td>119151</td>
<td>MGR-Social And Community Service Managers</td>
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<tr>
<td>119161</td>
<td>MGR-Emergency Management Directors</td>
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<tr>
<td>119XXX</td>
<td>MGR-Miscellaneous Managers, Including Funeral Service Managers And Postmasters And Mail Superintendents</td>
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<td>131011</td>
<td>BUS-Agents And Business Managers Of Artists, Performers, And Athletes</td>
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<tr>
<td>131021</td>
<td>BUS-Buyers And Purchasing Agents, Farm Products</td>
</tr>
<tr>
<td>131022</td>
<td>BUS-Wholesale And Retail Buyers, Except Farm Products</td>
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<tr>
<td>131023</td>
<td>BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products</td>
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<tr>
<td>131030</td>
<td>BUS-Claims Adjusters, Appraisers, Examiners, And Investigators</td>
</tr>
<tr>
<td>131041</td>
<td>BUS-Compliance Officers</td>
</tr>
<tr>
<td>131051</td>
<td>BUS-Cost Estimators</td>
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<tr>
<td>131070</td>
<td>BUS-Human Resources Workers</td>
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<td>131081</td>
<td>BUS-Logisticians</td>
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<tr>
<td>131111</td>
<td>BUS-Management Analysts</td>
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<tr>
<td>131121</td>
<td>BUS-Meeting Convention, And Event Planners</td>
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<tr>
<td>131131</td>
<td>BUS-Fundraisers</td>
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<tr>
<td>131141</td>
<td>BUS-Compensation, Benefits, And Job Analysis Specialists</td>
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<tr>
<td>131151</td>
<td>BUS-Training And Development Specialists</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>132021</td>
<td>FIN-Appraisers And Assessors Of Real Estate</td>
</tr>
<tr>
<td>132031</td>
<td>FIN-Budget Analysts</td>
</tr>
<tr>
<td>132041</td>
<td>FIN-Credit Analysts</td>
</tr>
<tr>
<td>132051</td>
<td>FIN-Financial Analysts</td>
</tr>
<tr>
<td>-------</td>
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</tr>
<tr>
<td>194021</td>
<td>SCI-Biological Technicians</td>
</tr>
<tr>
<td>211010</td>
<td>CMS-Counselors</td>
</tr>
<tr>
<td>21109X</td>
<td>CMS-Miscellaneous Community And Social Service Specialists, Including Health Educators And Community Health Workers</td>
</tr>
<tr>
<td>2310XX</td>
<td>LGL-Lawyers, And Judges, Magistrates, And Other Judicial Workers</td>
</tr>
<tr>
<td>232010</td>
<td>EDU-Postsecondary Teachers</td>
</tr>
<tr>
<td>252030</td>
<td>EDU-Secondary School Teachers</td>
</tr>
<tr>
<td>254010</td>
<td>EDU-Archivists, Curators, And Museum Technicians</td>
</tr>
<tr>
<td>2590XX</td>
<td>EDU-Other Education, Training, And Library Workers</td>
</tr>
<tr>
<td>272012</td>
<td>ENT-Producers And Directors</td>
</tr>
<tr>
<td>272099</td>
<td>ENT-Entertainers And Performers, Sports And Related Workers, All Other</td>
</tr>
<tr>
<td>273031</td>
<td>ENT-Public Relations Specialists</td>
</tr>
<tr>
<td>273090</td>
<td>ENT-Miscellaneous Media And Communication Workers</td>
</tr>
<tr>
<td>274021</td>
<td>ENT-Photographers</td>
</tr>
<tr>
<td>291011</td>
<td>MED-Chiropractors</td>
</tr>
</tbody>
</table>
291031 .MED-Dietitians And Nutritionists
291041 .MED-Optometers
291051 .MED-Pharmacists
291060 .MED-Physicians And Surgeons
291071 .MED-Physician Assistants
291081 .MED-Podiatrists
291122 .MED-Occupational Therapists
291123 .MED-Physical Therapists
291124 .MED-Radiation Therapists
291125 .MED-Recreational Therapists
291126 .MED-Respiratory Therapists
291127 .MED-Speech-Language Pathologists
29112X .MED-Other Therapists, Including Exercise Physiologists
291131 .MED-Veterinarians
291141 .MED-Registered Nurses
291151 .MED-Nurse Anesthetists
291181 .MED-Audiologists
291199 .MED-Health Diagnosing And Treating Practitioners, All Other
2911XX .MED-Nurse Practitioners And Nurse Midwives
292010 .MED-Clinical Laboratory Technologists And Technicians
292021 .MED-Dental Hygienists
292030 .MED-Diagnostic Related Technologists And Technicians
292041 .MED-Emergency Medical Technicians And Paramedics
292050 .MED-Health Practitioner Support Technologists And Technicians
292061 .MED-Licensed Practical And Licensed Vocational Nurses
292071 .MED-Medical Records And Health Information Technicians
292081 .MED-Opticians, Dispensing
292090 .MED-Miscellaneous Health Technologists And Technicians
299000 .MED-Other Healthcare Practitioners And Technical Occupations
311010 .HLS-Nursing, Psychiatric, And Home Health Aides
312010 .HLS-Occupational Therapy Assistants And Aides
312020 .HLS-Physical Therapist Assistants And Aides
319011 .HLS-Massage Therapists
319091 .HLS-Dental Assistants
319092 .HLS-Medical Assistants
319094 .HLS-Medical Transcriptionists
319095 .HLS-Pharmacy Aides
319096 .HLS-Veterinary Assistants And Laboratory Animal Caretakers
319097 .HLS-Phlebotomists
31909X .Healthcare Support Workers, All Other, Including Medical Equipment Preparers
331011 .PRT-First-Line Supervisors Of Correctional Officers
331012 .PRT-First-Line Supervisors Of Police And Detectives
331021 .PRT-First-Line Supervisors Of Fire Fighting And Prevention Workers
331099 .PRT-First-Line Supervisors Of Protective Service Workers, All Other
332011 .PRT-Firefighters
332020 .PRT-Fire Inspectors
333010 .PRT-Bailiffs, Correctional Officers, And Jailers
333021 .PRT-Detectives And Criminal Investigators
3330XX .PRT-Miscellaneous Law Enforcement Workers
333050 .PRT-Police Officers
339011 .PRT-Animal Control Workers
339021 .PRT-Private Detectives And Investigators
339030 .PRT-Security Guards And Gaming Surveillance Officers
339091 .PRT-Crossing Guards
339093 .PRT-Transportation Security Screeners
33909X .PRT-Lifeguards And Other Recreational, And All Other .Protective Service Workers
351011 .EAT-Chefs And Head Cooks
351012 .EAT-First-Line Supervisors Of Food Preparation And .Serving Workers
352010 .EAT-Cooks
352021 .EAT-Food Preparation Workers
353011 .EAT-Bartenders
353021 .EAT-Combined Food Preparation And Serving Workers, .Including Fast Food
353022 .EAT-Counter Attendants, Cafeteria, Food Concession, And .Coffee Shop
353031 .EAT-Waiters And Waitresses
353041 .EAT-Food Servers, Nonrestaurant
3590XX .EAT-Miscellaneous Food Preparation And Serving Related .Workers, Including Dining Room And Cafeteria Attendants .And Bartender Helpers
359021 .EAT-Dishwashers
359031 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee .Shop
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
373010 .CLN-Grounds Maintenance Workers
391010 .PRS-First-Line Supervisors Of Gaming Workers
391021 .PRS-First-Line Supervisors Of Personal Service Workers
392011 .PRS-Animal Trainers
392021 .PRS-Nonfarm Animal Caretakers
393010 .PRS-Gaming Services Workers
393021 .PRS-Motion Picture Projectionists
393031 .PRS-Ushers, Lobby Attendants, And Ticket Takers
393090 .PRS-Miscellaneous Entertainment Attendants And Related .Workers
394031 .PRS-Morticians, Undertakers, And Funeral Directors
3940XX .PRS-Embalmers And Funeral Attendants
395011 .PRS-Barbers
395012 .PRS-Hairdressers, Hairstylists, And Cosmetologists
395090 .PRS-Miscellaneous Personal Appearance Workers
396010 .PRS-Baggage Porters, Bellhops, And Concierges
397010 .PRS-Tour And Travel Guides
399011 .PRS-Childcare Workers
399021 .PRS-Personal Care Aides
399030 .PRS-Recreation And Fitness Workers
399041 .PRS-Residential Advisors
399099 .PRS-Personal Care And Service Workers, All Other
410111 .SAL-First-Line Supervisors Of Retail Sales Workers
410112 .SAL-First-Line Supervisors Of Non-Retail Sales Workers
412010 .SAL-Cashiers

111
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>412021</td>
<td>.SAL-Counter And Rental Clerks</td>
</tr>
<tr>
<td>412022</td>
<td>.SAL-Parts Salespersons</td>
</tr>
<tr>
<td>412031</td>
<td>.SAL-Retail Salespersons</td>
</tr>
<tr>
<td>413011</td>
<td>.SAL-Advertising Sales Agents</td>
</tr>
<tr>
<td>413021</td>
<td>.SAL-Insurance Sales Agents</td>
</tr>
<tr>
<td>413031</td>
<td>.SAL-Securities, Commodities, And Financial Services Sales Agents</td>
</tr>
<tr>
<td>413041</td>
<td>.SAL-Travel Agents</td>
</tr>
<tr>
<td>413099</td>
<td>.SAL-Sales Representatives, Services, All Other</td>
</tr>
<tr>
<td>414010</td>
<td>.SAL-Sales Representatives, Wholesale And Manufacturing</td>
</tr>
<tr>
<td>419010</td>
<td>.SAL-Models, Demonstrators, And Product Promoters</td>
</tr>
<tr>
<td>419020</td>
<td>.SAL-Real Estate Brokers And Sales Agents</td>
</tr>
<tr>
<td>419031</td>
<td>.SAL-Sales Engineers</td>
</tr>
<tr>
<td>419041</td>
<td>.SAL-Telemarketers</td>
</tr>
<tr>
<td>419091</td>
<td>.SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers</td>
</tr>
<tr>
<td>431011</td>
<td>.OFF-First-Line Supervisors Of Office And Administrative Support Workers</td>
</tr>
<tr>
<td>432011</td>
<td>.OFF-Switchboard Operators, Including Answering Service</td>
</tr>
<tr>
<td>432021</td>
<td>.OFF-Telephone Operators</td>
</tr>
<tr>
<td>432099</td>
<td>.OFF-Communications Equipment Operators, All Other</td>
</tr>
<tr>
<td>433011</td>
<td>.OFF-Bill And Account Collectors</td>
</tr>
<tr>
<td>433021</td>
<td>.OFF-Billing And Posting Clerks</td>
</tr>
<tr>
<td>433031</td>
<td>.OFF-Bookkeeping, Accounting, And Auditing Clerks</td>
</tr>
<tr>
<td>433041</td>
<td>.OFF-Gaming Cage Workers</td>
</tr>
<tr>
<td>433051</td>
<td>.OFF-Payroll And Timekeeping Clerks</td>
</tr>
<tr>
<td>433061</td>
<td>.OFF-Procurement Clerks</td>
</tr>
<tr>
<td>433071</td>
<td>.OFF-Tellers</td>
</tr>
<tr>
<td>433099</td>
<td>.SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers</td>
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<tr>
<td>434011</td>
<td>.OFF-Financial Clerks, All Other</td>
</tr>
<tr>
<td>434031</td>
<td>.OFF-Court, Municipal, And License Clerks</td>
</tr>
<tr>
<td>434041</td>
<td>.OFF-Credit Authorizers, Checkers, And Clerks</td>
</tr>
<tr>
<td>434051</td>
<td>.OFF-Customer Service Representatives</td>
</tr>
<tr>
<td>434061</td>
<td>.OFF-Eligibility Interviewers, Government Programs</td>
</tr>
<tr>
<td>434071</td>
<td>.OFF-File Clerks</td>
</tr>
<tr>
<td>434081</td>
<td>.OFF-Hotel, Motel, And Resort Desk Clerks</td>
</tr>
<tr>
<td>434111</td>
<td>.OFF-Interviewers, Except Eligibility And Loan</td>
</tr>
<tr>
<td>434121</td>
<td>.OFF-Library Assistants, Clerical</td>
</tr>
<tr>
<td>434131</td>
<td>.OFF-Loan Interviewers And Clerks</td>
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<tr>
<td>434141</td>
<td>.OFF-New Accounts Clerks</td>
</tr>
<tr>
<td>434XXX</td>
<td>.OFF-Correspondence Clerks And Order Clerks</td>
</tr>
<tr>
<td>434161</td>
<td>.OFF-Human Resources Assistants, Except Payroll And Timekeeping</td>
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<tr>
<td>434171</td>
<td>.OFF-Receptionists And Information Clerks</td>
</tr>
<tr>
<td>434181</td>
<td>.OFF-Reservation And Transportation Ticket Agents And Travel Clerks</td>
</tr>
<tr>
<td>434199</td>
<td>.OFF-Information And Record Clerks, All Other</td>
</tr>
<tr>
<td>435011</td>
<td>.OFF-Cargo And Freight Agents</td>
</tr>
<tr>
<td>435021</td>
<td>.OFF-Couriers And Messengers</td>
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<tr>
<td>435030</td>
<td>.OFF-Dispatchers</td>
</tr>
<tr>
<td>435041</td>
<td>.OFF-Meter Readers, Utilities</td>
</tr>
<tr>
<td>435051</td>
<td>.OFF-Postal Service Clerks</td>
</tr>
<tr>
<td>435052</td>
<td>.OFF-Postal Service Mail Carriers</td>
</tr>
<tr>
<td>435053</td>
<td>.OFF-Postal Service Mail Sorters, Processors, And Processing Machine Operators</td>
</tr>
<tr>
<td>435061</td>
<td>.OFF-Production, Planning, And Expediting Clerks</td>
</tr>
</tbody>
</table>
435071 .OFF-Shipping, Receiving, And Traffic Clerks
435081 .OFF-Stock Clerks And Order Fillers
435111 .OFF-Weighers, Measurers, Checkers, And Samplers, .Recordkeeping
436010 .OFF-Secretaries And Administrative Assistants
439011 .OFF-Computer Operators
439021 .OFF-Data Entry Keyers
439022 .OFF-Word Processors And Typists
439041 .OFF-Insurance Claims And Policy Processing Clerks
439051 .OFF-Mail Clerks And Mail Machine Operators, Except Postal .Service
439061 .OFF-Office Clerks, General
439071 .OFF-Office Machine Operators, Except Computer
439081 .OFF-Proofreaders And Copy Markers
439111 .OFF-Statistical Assistants
439XXX .OFF-Miscellaneous Office And Administrative Support .Workers, Including Desktop Publishers
451011 .FFF-First-Line Supervisors Of Farming, Fishing, And .Forestry Workers
452011 .FFF-Agricultural Inspectors
452041 .FFF-Graders And Sorters, Agricultural Products
4520XX .FFF-Miscellaneous Agricultural Workers, Including Animal .Breeders
453000 .FFF-Fishing And Hunting Workers
454011 .FFF-Forest And Conservation Workers
454020 .FFF-Logging Workers
471011 .CON-First-Line Supervisors Of Construction Trades And .Extraction Workers
472011 .CON-Boilermakers
472031 .CON-Carpenters
472040 .CON-Carpet, Floor, And Tile Installers And Finishers
472050 .CON-Cement Masons, Concrete Finishers, And Terrazzo .Workers
472061 .CON-Construction Laborers
472071 .CON-Paving, Surfacing, And Tamping Equipment Operators
47207X .CON-Construction Equipment Operators, Except Paving, .Surfacing, And Tamping Equipment Operators
472080 .CON-Drywall Installers, Ceiling Tile Installers, And .Tapers
472111 .CON-Electricians
472121 .CON-Glaziers
472130 .CON-Insulation Workers
472140 .CON-Painters And Paperhangers
472150 .CON-Pipelayers, Plumbers, Pipefitters, And Steamfitters
472161 .CON-Plasterers And Stucco Masons
472181 .CON-Roofer
472211 .CON-Sheet Metal Workers
472221 .CON-Structural Iron And Steel Workers
472XXX .CON-Brickmasons, Blockmasons, Stonemasons, And .Reinforcing Iron And Rebar Workers
473010 .CON-Helpers, Construction Trades
474011 .CON-Construction And Building Inspectors
474021 .CON-Elevator Installers And Repairers
474031 .CON-Fence Erectors
474041 .CON-Hazardous Materials Removal Workers
474051 .CON-Highway Maintenance Workers
474061 .CON-Rail-Track Laying And Maintenance Equipment Operators
CON-Miscellaneous Construction Workers, Including Solar Photovoltaic Installers, Septic Tank Servicers And Sewer Pipe Cleaners
EXT-Derrick, Rotary Drill, And Service Unit Operators, And Roustabouts, Oil, Gas, And Mining
EXT-Earth Drillers, Except Oil And Gas
EXT-Explosives Workers, Ordnance Handling Experts, And Blasters
EXT-Mining Machine Operators
EXT-Miscellaneous Extraction Workers, Including Roof Bolters And Helpers
RPR-First-Line Supervisors Of Mechanics, Installers, And Repairers
RPR-Computer, Automated Teller, And Office Machine Repairers
RPR-Radio And Telecommunications Equipment Installers And Repairers
RPR-Avionics Technicians
RPR-Electric Motor, Power Tool, And Related Repairers
RPR-Electrical And Electronics Repairers, Transportation Equipment, And Industrial And Utility Vehicles
RPR-Electronic Equipment Installers And Repairers, Motor Vehicles
RPR-Electronic Home Entertainment Equipment Installers And Repairers
RPR-Security And Fire Alarm Systems Installers
RPR-Aircraft Mechanics And Service Technicians
RPR-Automotive Body And Related Repairers
RPR-Automotive Glass Installers And Repairers
RPR-Automotive Service Technicians And Mechanics
RPR-Bus And Truck Mechanics And Diesel Engine Specialists
RPR-Heavy Vehicle And Mobile Equipment Service Mechanics And Operators
RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics, Installers, And Repairers
RPR-Control And Valve Installers And Repairers
RPR-Heating, Air Conditioning, And Refrigeration Mechanics And Installers
RPR-Home Appliance Repairers
RPR-Industrial And Refractory Machinery Mechanics
RPR-Maintenance Workers, Machinery
RPR-Millwrights
RPR-Electrical Power-Line Installers And Repairers
RPR-Telecommunications Line Installers And Repairers
RPR-Precision Instrument And Equipment Repairers
RPR-Maintenance And Repair Workers, General
RPR-Coin, Vending, And Amusement Machine Servicers And Repairers
RPR-Locksmiths And Safe Repairers
RPR-Riggers
RPR-Helpers--Installation, Maintenance, And Repair Workers Including Wind Turbine Service Technicians
RPR-Miscellaneous Installation, Maintenance, and Repair Workers, Including Wind Turbine Service Technicians
PRD-First-Line Supervisors Of Production And Operating Workers
512011 .PRD-Aircraft Structure, Surfaces, Rigging, And Systems .Assemblers
512020 .PRD-Electrical, Electronics, And Electromechanical .Assemblers
512031 .PRD-Engine And Other Machine Assemblers
512041 .PRD-Structural Metal Fabricators And Fitters
512090 .PRD-Miscellaneous Assemblers And Fabricators
513011 .PRD-Bakers
513020 .PRD-Butchers And Other Meat, Poultry, And Fish Processing .Workers
513091 .PRD-Food And Tobacco Roasting, Baking, And Drying Machine .Operators And Tenders
513092 .PRD-Food Batchmakers
513093 .PRD-Food Cooking Machine Operators And Tenders
513099 .PRD-Food Processing Workers, All Other
514010 .PRD-Computer Control Programmers And Operators
514021 .PRD-Extruding And Drawing Machine Setters, Operators, And .Tenders, Metal And Plastic
514022 .PRD-Forging Machine Setters, Operators, And Tenders, .Metal And Plastic
514023 .PRD-Rolling Machine Setters, Operators, And Tenders, .Metal And Plastic
514030 .PRD-Machine Tool Cutting Setters, Operators, And Tenders, .Metal And Plastic
514041 .PRD-Machinists
514050 .PRD-Metal Furnace Operators, Tenders, Pourers, And .Casters Setters, Metal And Plastic
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-Miscellaneous Metal Workers And Plastic Workers, .Including Multiple Machine Tool Setters
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
51606X .PRD-Textile Bleaching And Dyeing, And Cutting Machine .Setters, Operators, And Tenders
516063 .PRD-Textile Knitting And Weaving Machine Setters, .Operators, And Tenders
516093 .PRD-Upholsterers
51609X .PRD-Miscellaneous Textile, Apparel, And Furnishings .Workers, Except Upholsterers
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-Miscellaneous Woodworkers, Including Model Makers And .Patternmakers
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-Medical, Dental, And Ophthalmic Laboratory .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
5191XX .PRD-Miscellaneous Production Workers, Including .Semiconductor Processors
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
533020 .TRN-Bus Drivers
533030 .TRN-Driver/Sales Workers And Truck Drivers
533041 .TRN-Taxi Drivers And Chauffeurs
533099 .TRN-Motor Vehicle Operators, All Other
534010 .TRN-Locomotive Engineers And Operators
534031 .TRN-Railroad Conductors And Yardmasters
5340XX .TRN-Subway, Streetcar, And Other Rail Transportation .Workers
5350XX .TRN-Sailors And Marine Oilers, And Ship Engineers
535020 .TRN-Ship And Boat Captains And Operators
536021 .TRN-Parking Lot Attendants
536031 .TRN-Automotive And Watercraft Service Attendants
536051 .TRN-Transportation Inspectors
536061 .PRS-Transportation Attendants, Except Flight Attendants
5360XX .TRN-Miscellaneous Transportation Workers, Including .Bridge And Lock Tenders And Traffic Technicians
537021 .TRN-Crane And Tower Operators
537030 .TRN-Dredge, Excavating, And Loading Machine Operators
5370XX .TRN-Conveyor Operators And Tenders, 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
537070 .TRN-Pumping Station Operators
537081 .TRN-Refuse And Recyclable Material Collectors
5371XX .TRN-Miscellaneous Material Moving Workers, Including Mine Shuttle Car Operators, And Tank Car, Truck, And Ship Loaders
537081 .TRN-Refuse And Recyclable Material Collectors
5371XX .TRN-Miscellaneous Material Moving Workers, Including Mine Shuttle Car Operators, And Tank Car, Truck, And Ship Loaders
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 And Last Worked 5 Years Ago Or Earlier Or Never Worked

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FHINS2P  Character  1
Insurance purchased directly from an insurance company allocation flag
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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
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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 (including those who have ever used or enrolled for VA health care) allocation flag
0 .No
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FHINS7P  Character  1
Indian health service allocation flag
0 .No
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FHISP  Character 1
   Detailed Hispanic origin allocation flag
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FINDP  Character 1
   Industry allocation flag
      0 .No
      1 .Yes

FINTP  Character 1
   Interest, dividend, and net rental income allocation flag
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FJWDP  Character 1
   Time of departure to work allocation flag
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FJWMNP Character 1
   Travel time to work allocation flag
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FJWRIP  Character 1
   Vehicle occupancy allocation flag
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FJWTRP  Character 1
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FLANP  Character 1
   Language other than English spoken at home allocation flag
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FLANXP  Character 1
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FMARP  Character 1
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FMARHDP Character 1
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# PERSON RECORD—REPLICATE WEIGHTS

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