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

SERIALNO  Character 13
Housing unit/GQ person serial number
2018GQ0000001..2018GQ9999999  .GQ Unique identifier
2018HU0000001..2018HU9999999  .HU Unique identifier

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

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

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

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

ADJHSG Character 7
Adjustment factor for housing dollar amounts (6 implied decimal places)
1000000 .2018 factor (1.000000)

ADJINC Character 7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)
1013097 .2018 factor (1.013097)

WGTP Numeric 5
Housing Unit Weight
Group quarters place holder record

Group quarters place holder record

Integer weight of housing unit

NP

Numeric

2

Number of persons in this household

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

TYPE

Character

1

Type of unit

1 .Housing unit
2 .Institutional group quarters
3 .Noninstitutional group quarters

HOUSING RECORD-HOUSING UNIT VARIABLES

ACCESS

Character

1

Access to the Internet

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

ACR

Character

1

Lot size

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

AGS

Character

1

Sales of Agriculture Products (yearly sales, no adjustment factor is applied)

b .N/A (GQ/vacant/not a one family house or mobile home/less than 1 acre)
1 .None
2 .$ 1 - $ 999
3 .$ 1000 - $ 2499
4 .$ 2500 - $ 4999
5 .$ 5000 - $ 9999
6 .$10000+

BATH

Character

1

Bathtub or shower

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

BDSP

Numeric

2

Number of bedrooms

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

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

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

CONP  Numeric  4  
Condo fee (monthly amount, use ADJHSG to adjust CONP to constant dollars)  
bbbb . N/A (GQ/vacant units/not owned or being bought)  
0..9999 .50 - $9999 (Rounded and top-coded)

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

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

ELEP  Numeric  3  
Electricity cost (monthly cost, use ADJHSG to adjust ELEP to constant dollars)  
bbbb . N/A (GQ/vacant/included in rent or in condo fee/no .charge or electricity not used)  
3..999 .$3 to $999 (Rounded and top-coded)

FS  Character  1  
Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) recipiency  
b . N/A (vacant)
1 .Yes
2 .No

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

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

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

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

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

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

**HOTWAT**  
Character  1  
Water heater (Puerto Rico only)  
b .N/A (GQ)
<table>
<thead>
<tr>
<th>Field</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSP</td>
<td>Numeric</td>
<td>Fire/hazard/flood insurance (yearly amount, use ADJHSG to adjust INSP to constant dollars)</td>
</tr>
<tr>
<td>LAPTOP</td>
<td>Character</td>
<td>Laptop or desktop</td>
</tr>
<tr>
<td>MHP</td>
<td>Numeric</td>
<td>Mobile home costs (yearly amount, use ADJHSG to adjust MHP to constant dollars)</td>
</tr>
<tr>
<td>MRGI</td>
<td>Character</td>
<td>First mortgage payment includes fire/hazard/flood insurance</td>
</tr>
<tr>
<td>MRGP</td>
<td>Numeric</td>
<td>First mortgage payment (monthly amount, use ADJHSG to adjust MRGP to constant dollars)</td>
</tr>
<tr>
<td>MRGT</td>
<td>Character</td>
<td>First mortgage payment includes real estate taxes</td>
</tr>
<tr>
<td>MRGX</td>
<td>Character</td>
<td>First mortgage status</td>
</tr>
<tr>
<td>OTHSVCEX</td>
<td>Character</td>
<td>Other Internet service</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)
0..99  .Rooms (Top-coded)

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

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

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

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

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

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

**SMARTPHONE**  Character  1
Smartphone
b  .N/A (GQ/vacant)
1  .Yes
2  .No
SMP  Numeric  5
Total payment on all second and junior mortgages and home equity loans
(monthly amount, use ADJHSG to adjust SMP to constant dollars)
.bbbbb .N/A (GQ/vacant/not owned or being bought/ no
.second or junior mortgages or home equity loans)
1..999999 .$1 to $999999 (Rounded and top-coded)

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

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

TEL  Character  1
Telephone service
b .N/A (GQ/vacant)
1 .Yes
2 .No

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

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

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

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

**WATFP**

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

**WATP**

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

**YBL**

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

**HOUSING RECORD—HOUSEHOLD VARIABLES**

**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
Other family: Female householder, no husband present, in LF
Other family: Female householder, no husband present, not in LF

FINCP Numerical 7
Family income (past 12 months, use ADJINC to adjust FINCP to constant dollars)

- N/A (GQ/vacant)
- No family income
- Loss of $59,999 or more
- Loss of $1 to $59,998
- Total family income in dollars (Components are rounded)

FPARC Character 1
Family presence and age of related children

- N/A (GQ/vacant/not a family)
- With related children under 5 years only
- With related children 5 to 17 years only
- With related children under 5 years and 5 to 17 years
- No related children

GRNTP Numerical 4
Gross rent (monthly amount, use ADJHSG to adjust GRNTP to constant dollars)

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

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

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

HHL Character 1
Household language

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

HHLANP Character 4
Detailed household language

- N/A (GQ/vacant)
- Jamaican Creole English
- Other English-based Creole languages
- Haitian
- Kabuverdianu
- German
- Swiss German
- Pennsylvania German
- Yiddish
1132 .Dutch
1134 .Afrikaans
1140 .Swedish
1141 .Danish
1142 .Norwegian
1155 .Italian
1170 .French
1175 .Cajun French
1200 .Spanish
1210 .Portuguese
1220 .Romanian
1231 .Irish
1235 .Greek
1242 .Albanian
1250 .Russian
1260 .Ukrainian
1262 .Czech
1263 .Slovak
1270 .Polish
1273 .Bulgarian
1274 .Macedonian
1275 .Serbocroatian
1276 .Bosnian
1277 .Croatian
1278 .Serbian
1281 .Lithuanian
1283 .Latvian
1288 .Armenian
1290 .Parsi
1292 .Dari
1315 .Kurdish
1327 .Pashto
1340 .India N.E.C.
1350 .Hindi
1360 .Urdu
1380 .Bengali
1420 .Punjabi
1435 .Konkani
1440 .Marathi
1450 .Gujarati
1500 .Nepali
1525 .Pakistan N.E.C.
1530 .Sinhala
1540 .Other Indo-Iranian languages
1564 .Other Indo-European languages
1565 .Finnish
1582 .Hungarian
1675 .Turkish
1690 .Mongolian
1730 .Telugu
1737 .Kannada
1750 .Malayalam
1765 .Tamil
1900 .Khmer
1960 .Vietnamese
1970 .Chinese
2000 .Mandarin
2030 . Min Nan Chinese
2050 . Cantonese
2100 . Tibetan
2160 . Burmese
2270 . Chin languages
2350 . Karen languages
2430 . Thai
2475 . Lao
2525 . Iu Mien
2535 . Hmong
2560 . Japanese
2575 . Korean
2715 . Malay
2770 . Indonesian
2850 . Other languages of Asia
2910 . Filipino
2920 . Tagalog
2950 . Cebuano
3150 . Ilocano
3190 . Other Philippine languages
3220 . Chamorro
3270 . Marshallese
3350 . Chuukese
3420 . Samoan
3500 . Tongan
3570 . Hawaiian
3600 . Other Eastern Malayo-Polynesian languages
4500 . Arabic
4545 . Hebrew
4560 . Assyrian Neo-Aramaic
4565 . Chaldean Neo-Aramaic
4590 . Amharic
4640 . Tigrinya
4830 . Oromo
4840 . Somali
4880 . Other Afro-Asiatic languages
4900 . Nilo-Saharan languages
5150 . Swahili
5345 . Ganda
5525 . Shona
5645 . Other Bantu languages
5845 . Manding languages
5900 . Other Mande languages
5940 . Fulah
5950 . Wolof
6120 . Akan (incl. Twi)
6205 . Ga
6230 . Gbe languages
6290 . Yoruba
6300 . Edoid languages
6370 . Igbo
6500 . Other Niger-Congo languages
6795 . Other languages of Africa
6800 . Aleut languages
6839 . Ojibwa
6930 . Apache languages
6933 . Navajo
7019 .Dakota languages
7032 .Muskogean languages
7039 .Keres
7050 .Cherokee
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9500 .English only household
9999 .Other and unspecified languages

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

HINCP
Numeric 7
Household income (past 12 months, use ADJINC to adjust HINCP to constant dollars)
bbbbbbbb .N/A(GQ/vacant)
0 .No household income
-59999 .Loss of -$59,999 or more
-59998..-1 .Loss of $1 to -$59,998
1..9999999 .Total household income in dollars (Components are rounded)

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

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

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

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

**KIT**  
**Character 1**  
Complete kitchen facilities  
b. N/A (GQ)  
1. Yes, has stove or range, refrigerator, and sink with a faucet  
2. No

**LNGI**  
**Character 1**  
Limited English speaking household  
b. N/A (GQ/vacant)  
1. At least one person in the household 14 and over speaks English only or speaks English 'very well'  
2. No one in the household 14 and over speaks English only or speaks English 'very well'

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

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

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

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

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

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

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

**OCPIP**  
**Numeric  3**  
Selected monthly owner costs as a percentage of household income during the past 12 months
bbb .N/A (GQ/vacant/not owned or being bought/ no household income)
1..100 .1% to 100%
101 .101% or more

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

**PLM**  
**Character  1**  
Complete plumbing facilities
b .N/A (GQ)
1 .Yes, has hot and cold running water, and a bathtub or shower
2 .No
9 .Case is from Puerto Rico, PLM recode not applicable

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

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

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

**R60**  
**Character  1**  
Presence of persons 60 years and over in household (unweighted)
b .N/A (GQ/vacant)
0 .No person 60 and over
<table>
<thead>
<tr>
<th>Character 1</th>
<th>Presence of persons 65 years and over in household (unweighted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>.N/A (GQ/vacant)</td>
</tr>
<tr>
<td>0</td>
<td>.No person 65 and over</td>
</tr>
<tr>
<td>1</td>
<td>.1 person 65 and over</td>
</tr>
<tr>
<td>2</td>
<td>.2 or more persons 65 and over</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Character 1</th>
<th>Response mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>.N/A (GQ)</td>
</tr>
<tr>
<td>1</td>
<td>Mail</td>
</tr>
<tr>
<td>2</td>
<td>.CATI/CAPI</td>
</tr>
<tr>
<td>3</td>
<td>.Internet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Character 1</th>
<th>Selected monthly owner costs (use ADJHSG to adjust SMOCP to constant dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>.N/A (GQ/vacant/not owned or being bought)</td>
</tr>
<tr>
<td>0</td>
<td>.None</td>
</tr>
<tr>
<td>1</td>
<td>$1 - $99999 (Components are rounded)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Character 1</th>
<th>Second or junior mortgage or home equity loan status</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>
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<table>
<thead>
<tr>
<th>Character 1</th>
<th>Specified rental unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>.N/A (GQ/vacant units, except &quot;for-rent-only&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>
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<table>
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<tr>
<th>Character 1</th>
<th>Same-sex married couple households</th>
</tr>
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<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>
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<table>
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<tr>
<th>Character 1</th>
<th>Specified owner unit</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>
TAXAMT  Numeric  5
Property taxes (yearly real estate taxes)
  bbbbb  .N/A (GQ/vacant/not owned or being bought)
  0..22500  .$0 to $22500 (rounded and top-coded)

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

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

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

HOUSING RECORD-ALLOCATION FLAGS

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

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

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

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

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

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

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

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

**FCONP**  Character  1
Condominium fee 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

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

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

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

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

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

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

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

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

FMRGXN  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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

HOUSING RECORD-REPLICATE WEIGHTS

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

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

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

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

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

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

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

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

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

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

WGTP11   Numeric  5
Housing Weight replicate 11
 -9999..9999 .Integer weight of housing unit
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WGTP41  Numeric  5  
Housing Weight replicate 41  
-9999..9999  .Integer weight of housing unit

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

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

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

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

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

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

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

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

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

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

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

WGTP53  Numeric  5  
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### PERSON RECORD

#### PERSON RECORD—BASIC VARIABLES

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**ADJINC**  
Character 7  
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)  
1013097.2018 factor (1.013097)

**PWGTP**  
Numeric 5  
Person's weight  1.9999  
Integer weight of person

**PERSON RECORD-PERSON VARIABLES**

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

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

CITWP  Numeric  4
Year of naturalization write-in
bbbb .Not eligible - not naturalized
1939 .1939 or earlier (Bottom-coded)
1940 .1940 - 1944
1945 .1945 - 1947
1948 .1948 - 1949
1950 .1950
1951 .1951
1952 .1952
1953 .1953
1954 .1954
1955 .1955
1956 .1956
1957 .1957
1958 .1958
1959 .1959
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1962 .1962
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2007 .2007
2008 .2008
2009 .2009
2010 .2010
2011 .2011
2012 .2012
2013 .2013
2014 .2014
2015 .2015
2016 .2016
2017 .2017
2018 .2018

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

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

DEYE Character 1
Vision difficulty
1. Yes
2. No

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

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

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

DRATX Character 1
Veteran service connected disability rating (checkbox)
b. N/A (Less than 17 years old/never served in military)
1. Yes
2. No

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

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

FER Character 1
Gave birth to child within the past 12 months
b. N/A (less than 15 years/greater than 50 years/male)
1. Yes
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<td></td>
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<td></td>
<td>-10000..-4</td>
<td>Loss of $4 to $10000 (Rounded and bottom-coded)</td>
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<td></td>
<td>4..999999</td>
<td>$4 to $999999 (Rounded and top-coded)</td>
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<td>JWMNP</td>
<td>Numeric</td>
<td>Travel time to work</td>
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</tr>
<tr>
<td></td>
<td>3</td>
<td>.N/A (not a worker or worker who worked at home)</td>
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<tr>
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<td>1..200</td>
<td>.1 to 200 minutes to get to work (Top-coded)</td>
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<td>Numeric</td>
<td>Vehicle occupancy</td>
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<tr>
<td></td>
<td>2</td>
<td>.N/A (not a worker or worker whose means of transportation to work was not car, truck, or van)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>Drove alone</td>
<td></td>
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<tr>
<td></td>
<td>2</td>
<td>In 2-person carpool</td>
<td></td>
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<td>In 3-person carpool</td>
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<td>In 10-person or more carpool (Top-coded)</td>
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<td>JWTR</td>
<td>Character</td>
<td>Means of transportation to work</td>
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<td>.N/A (not a worker—not in the labor force, including persons under 16 years; unemployed; employed, with a job but not at work; Armed Forces, with a job but not at work)</td>
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</tr>
<tr>
<td></td>
<td>01</td>
<td>Car, truck, or van</td>
<td></td>
</tr>
<tr>
<td></td>
<td>02</td>
<td>Bus or trolley bus</td>
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<td>03</td>
<td>Streetcar or trolley car (carro publico in Puerto Rico)</td>
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<td>04</td>
<td>Subway or elevated</td>
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<td>Other method</td>
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<td>Yes, speaks another language</td>
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<td>2</td>
<td>No, speaks only English</td>
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MAR  Character  1
Marital status
1  .Married
2  .Widowed
3  .Divorced
4  .Separated
5  .Never married or under 15 years old

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

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

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

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

MARHYP  Numeric  4
Year last married
b  .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
1944  1944
1945  1945
1946  1946
1947  1947
1948  1948
1949  1949
1950  1950
1951  1951
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2007 .2007
2008 .2008
2009 .2009
2010 .2010
2011 .2011
2012 .2012
2013 .2013
2014 .2014
2015 .2015
2016 .2016
2017 .2017
2018 .2018

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

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

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

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

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

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

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

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

39
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  

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<thead>
<tr>
<th>OIP</th>
<th>Numeric</th>
<th>6</th>
<th>All other income past 12 months (use ADJINC to adjust to constant dollars)</th>
</tr>
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<tbody>
<tr>
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<td></td>
<td>bbbbbbb  .N/A (less than 15 years old)</td>
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<tr>
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<td>0        .None</td>
</tr>
<tr>
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<td>4..999999 .$4 to $999999 ( Rounded and top-coded)</td>
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<td>0        .None</td>
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<td>4..300000  .$4 to $300000 ( Rounded and top-coded)</td>
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<th>RELP</th>
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<th>Relationship</th>
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<td>.Husband/wife</td>
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<td>02</td>
<td>.Biological son or daughter</td>
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<tr>
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<td>03</td>
<td>.Adopted son or daughter</td>
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</tr>
<tr>
<td></td>
<td>04</td>
<td>.Stepson or stepdaughter</td>
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<td></td>
<td>05</td>
<td>.Brother or sister</td>
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<tr>
<td></td>
<td>06</td>
<td>.Father or mother</td>
<td></td>
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<td></td>
<td>07</td>
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<td>08</td>
<td>.Parent-in-law</td>
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<td>09</td>
<td>.Son-in-law or daughter-in-law</td>
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<td>.Other relative</td>
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<td>11</td>
<td>.Roomer or boarder</td>
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<td>12</td>
<td>.Housemate or roommate</td>
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<td>.Unmarried partner</td>
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<td>15</td>
<td>.Other nonrelative</td>
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<td>.Institutionalized group quarters population</td>
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<td>.Noninstitutionalized group quarters population</td>
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<th>Retirement income past 12 months (use ADJINC to adjust to constant dollars)</th>
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<td>bbbbbbb  .N/A (less than 15 years old)</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>0        .None</td>
</tr>
<tr>
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<td>4..999999 .$4 to $999999 ( Rounded and top-coded)</td>
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<th>School enrollment</th>
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<tbody>
<tr>
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<td>b</td>
<td>.N/A (less than 3 years old)</td>
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</tr>
<tr>
<td></td>
<td>1</td>
<td>.No, has not attended in the last 3 months</td>
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</tr>
<tr>
<td></td>
<td>2</td>
<td>.Yes, public school or public college</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>.Yes, private school or college or home school</td>
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<th>Grade level attending</th>
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<td>.N/A (not attending school)</td>
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<tr>
<td></td>
<td>01</td>
<td>.Nursery school/preschool</td>
<td></td>
</tr>
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</table>
02 .Kindergarten
03 .Grade 1
04 .Grade 2
05 .Grade 3
06 .Grade 4
07 .Grade 5
08 .Grade 6
09 .Grade 7
10 .Grade 8
11 .Grade 9
12 .Grade 10
13 .Grade 11
14 .Grade 12
15 .College undergraduate years (freshman to senior)
16 .Graduate or professional school beyond a bachelor's degree

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

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

SEX  Character  1
Sex
1 .Male
2 .Female
SSIP  Numeric  5  
Supplementary Security Income past 12 months (use ADJINC to adjust SSIP to constant dollars)
  bbbbbb  .N/A (less than 15 years old)
  0  .None
  4..30000  .$4 to $30000 (Rounded and top-coded)

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

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

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

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

WKW  Character  1  
Weeks worked during past 12 months
  b  .N/A (less than 16 years old/did not work during the past 12 .months)
  1  .50 to 52 weeks worked during past 12 months
  2  .48 to 49 weeks worked during past 12 months
  3  .40 to 47 weeks worked during past 12 months
  4  .27 to 39 weeks worked during past 12 months
  5  .14 to 26 weeks worked during past 12 months
  6  .less than 14 weeks worked during past 12 months

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

YOEP  Numeric  4  
Year of entry
  bbbbb  .Not eligible - Born in the US
  1929  .1929 or earlier (Bottom-coded)
1930 .1930 - 1934
1935 .1935 - 1938
1939 .1939 - 1940
1941 .1941 - 1942
1943 .1943 - 1944
1945 .1945
1946 .1946
1947 .1947
1948 .1948
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**PERSON RECORD—RECODED PERSON VARIABLES**

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<td>Character 3</td>
<td>Recoded Detailed Ancestry – first entry</td>
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</table>

Ancestry recode:
1. Single
2. Multiple
3. Unclassified
4. Not reported
8. Suppressed for data year 2018 for select PUMAs
082. Norwegian
084. Portuguese
087. Scotch Irish
088. Scottish
089. Swedish
091. Swiss
094. Irish Scotch
097. Welsh
098. Scandinavian
099. Celtic
100. Albanian
102. Belorussian
103. Bulgarian
109. Croatian
111. Czech
112. Bohemian
114. Czechoslovakian
115. Estonian
122. German Russian
124. Rom
125. Hungarian
128. Latvian
129. Lithuanian
130. Macedonian
131. Montenegrin
142. Polish
144. Romanian
146. Moldavian
148. Russian
152. Serbian
153. Slovak
154. Slovene
168. Turkestani
169. Uzbek
170. Georgia CIS
171. Ukrainian
176. Yugoslavian
177. Bosnian and Herzegovinian
178. Slavic
179. Slavonian
181. Central European
183. Northern European
185. Southern European
187. Western European
190. Eastern European
194. Germanic
195. European
200. Spaniard
210. Mexican
211. Mexican American
212. Mexicano
213. Chicano
215. Mexican American Indian
218. Mexican State
219. Mexican Indian
221. Costa Rican
222. Guatemalan
<p>| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |</p>
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**ANC2P**

Recoded Detailed Ancestry - second entry
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020 .Danish
021 .Dutch
022 .English
024 .Finnish
026 .French
032 .German
040 .Prussian
046 .Greek
049 .Icelander
050 .Irish
051 .Italian
068 .Sicilian
077 .Luxembourger
078 .Maltese
082 .Norwegian
084 .Portuguese
087 .Scotch Irish
088 .Scottish
089 .Swedish
091 .Swiss
094 .Irish Scotch
097 .Welsh
098 .Scandinavian
099 .Celtic
100 .Albanian
102 .Belorussian
103 .Bulgarian
109 .Croatian
111 .Czech
112 .Bohemian
114 .Czechoslovakian
115 .Estonian
122 .German Russian
124 .Rom
125 .Hungarian
128 .Latvian
129 .Lithuanian
130 .Macedonian
131 .Montenegrin
142 .Polish
144 .Romanian
146 .Moldavian
148 .Russian
152 .Serbian
153 .Slovak
154 .Slovene
168 .Turkestani
169 .Uzbek
170 .Georgia CIS
171 .Ukrainian
176 .Yugoslavian
177 .Bosnian and Herzegovinian
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183 .Northern European
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### DECADE Character 1
Decade of entry
- b .N/A (Born in the US)
- 1 .Before 1950
- 2 .1950 - 1959
- 3 .1960 - 1969
- 4 .1970 - 1979
- 5 .1980 - 1989
- 6 .1990 - 1999
- 7 .2000 - 2009
- 8 .2010 or later

### DIS Character 1
Disability recode
- 1 .With a disability
- 2 .Without a disability

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

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

### ESR Character 1
Employment status recode
- b .N/A (less than 16 years old)
- 1 .Civilian employed, at work
- 2 .Civilian employed, with a job but not at work
- 3 .Unemployed
- 4 .Armed forces, at work
- 5 .Armed forces, with a job but not at work
- 6 .Not in labor force
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
2399 .Miscellaneous Education
2400 .General Engineering
2401 .Aerospace Engineering
2402 .Biological Engineering
2403 .Architectural Engineering
2404 .Biomedical Engineering
2405 .Chemical Engineering
2406 .Civil Engineering
2407 .Computer Engineering
2408 .Electrical Engineering
2409 .Engineering Mechanics Physics And Science
2410 .Environmental Engineering
2411 .Geological And Geophysical Engineering
2412 .Industrial And Manufacturing Engineering
2413 .Materials Engineering And Materials Science
2414 .Mechanical Engineering
2415 .Metallurgical Engineering
2416 .Mining And Mineral Engineering
2417 .Naval Architecture And Marine Engineering
2418 .Nuclear Engineering
2419 .Petroleum Engineering
2499 .Miscellaneous Engineering
2500 .Engineering Technologies
2501 .Engineering And Industrial Management
2502 .Electrical Engineering Technology
2503 .Industrial Production Technologies
2504 .Mechanical Engineering Related Technologies
2599 .Miscellaneous Engineering Technologies
2601 .Linguistics And Comparative Language And Literature
2602 .French German Latin And Other Common Foreign Language Studies
2603 .Other Foreign Languages
2901 .Family And Consumer Sciences
3201 .Court Reporting
3202 .Pre-Law And Legal Studies
3301 .English Language And Literature
3302 .Composition And Rhetoric
3401 .Liberal Arts
3402 .Humanities
3501 .Library Science
3600 .Biology
3601 .Biochemical Sciences
3602 .Botany
3603 .Molecular Biology
3604 .Ecology
3605 .Genetics
3606 .Microbiology
3607 .Pharmacology
3608 .Physiology
3609 .Zoology
3611 .Neuroscience
3699 .Miscellaneous Biology
3700 .Mathematics
3701 .Applied Mathematics
3702 .Statistics And Decision Science
3801 .Military Technologies
4000 .Multi/Interdisciplinary Studies
4001 .Intercultural And International Studies
4002 .Nutrition Sciences
4005 .Mathematics And Computer Science
4006 .Cognitive Science And Biopsychology
4007 .Interdisciplinary Social Sciences
4101 .Physical Fitness Parks Recreation And Leisure
4801 .Philosophy And Religious Studies
4901 .Theology And Religious Vocations
5000 .Physical Sciences
5001 .Astronomy And Astrophysics
5002 .Atmospheric Sciences And Meteorology
5003 .Chemistry
5004 .Geology And Earth Science
5005 .Geosciences
5006 .Oceanography
5007 .Physics
5008 .Materials Science
5098 .Multi-Disciplinary Or General Science
5102 .Nuclear, Industrial Radiology, And Biological Technologies
5200 .Psychology
5201 .Educational Psychology
5202 .Clinical Psychology
5203 .Counseling Psychology
5205 .Industrial And Organizational Psychology
5206 .Social Psychology
5299 .Miscellaneous Psychology
5301 .Criminal Justice And Fire Protection
5401 .Public Administration
5402 .Public Policy
5403 .Human Services And Community Organization
5404 .Social Work
5500 .General Social Sciences
5501 .Economics
5502 .Anthropology And Archeology
5503 .Criminology
5504 .Geography
5505 .International Relations
5506 .Political Science And Government
5507 .Sociology
5599 .Miscellaneous Social Sciences
5601 .Construction Services
5701 .Electrical, Mechanical, And Precision Technologies And Production
5901 .Transportation Sciences And Technologies
6000 .Fine Arts
6001 .Drama And Theater Arts
6002 .Music
6003 .Visual And Performing Arts
6004 .Commercial Art And Graphic Design
6005 .Film Video And Photographic Arts
6006 .Art History And Criticism
6007 .Studio Arts
6099 .Miscellaneous Fine Arts
6100 .General Medical And Health Services
6102 .Communication Disorders Sciences And Services
6103 .Health And Medical Administrative Services
6104 .Medical Assisting Services
6105 .Medical Technologies Technicians
6106 .Health And Medical Preparatory Programs
6107 .Nursing
6108 .Pharmacy Pharmaceutical Sciences And Administration
6109 .Treatment Therapy Professions
6110 .Community And Public Health
6199 .Miscellaneous Health Medical Professions
6200 .General Business
6201 .Accounting
6202 .Actuarial Science
6203 .Business Management And Administration
6204 .Operations Logistics And E-Commerce
6205 .Business Economics
6206 .Marketing And Marketing Research
6207 .Finance
6209 .Human Resources And Personnel Management
6210 .International Business
6211 .Hospitality Management
6212 .Management Information Systems And Statistics
6299 .Miscellaneous Business & Medical Administration
6402 .History
6403 .United States History

**FOD2P**

**Character 4**
Recoded field of degree - second entry

bbbb .N/A (less than bachelor's degree)
1100 .General Agriculture
1101 .Agriculture Production And Management
1102 .Agricultural Economics
1103 .Animal Sciences
1104 .Food Science
1105 .Plant Science And Agronomy
1106 .Soil Science
1199 .Miscellaneous Agriculture
1301 .Environmental Science
1302 .Forestry
1303 .Natural Resources Management
1401 .Architecture
1501 .Area Ethnic And Civilization Studies
1901 .Communications
1902 .Journalism
1903 .Mass Media
1904 .Advertising And Public Relations
2001 .Communication Technologies
2100 .Computer And Information Systems
2101 .Computer Programming And Data Processing
2102 .Computer Science
2105 .Information Sciences
2106 .Computer Administration Management And Security
2107 .Computer Networking And Telecommunications
2201 .Cosmetology Services And Culinary Arts
2300 .General Education
2301 .Educational Administration And Supervision
2303 .School Student Counseling
2304 .Elementary Education
2305 .Mathematics Teacher Education
2306 .Physical And Health Education Teaching
2307 .Early Childhood Education
2308 .Science And Computer Teacher Education
2309 .Secondary Teacher Education
2310 .Special Needs Education
2311 .Social Science Or History Teacher Education
2312 .Teacher Education: Multiple Levels
2313 .Language And Drama Education
2314 .Art And Music Education
2399 .Miscellaneous Education
2400 .General Engineering
2401 .Aerospace Engineering
2402 .Biological Engineering
2403 .Architectural Engineering
2404 .Biomedical Engineering
2405 .Chemical Engineering
2406 .Civil Engineering
2407 .Computer Engineering
2408 .Electrical Engineering
2409 .Engineering Mechanics Physics And Science
2410 .Environmental Engineering
2411 .Geological And Geophysical Engineering
2412 .Industrial And Manufacturing Engineering
2413 .Materials Engineering And Materials Science
2414 .Mechanical Engineering
2415 .Metallurgical Engineering
2416 .Mining And Mineral Engineering
2417 .Naval Architecture And Marine Engineering
2418 .Nuclear Engineering
2419 .Petroleum Engineering
2499 .Miscellaneous Engineering
2500 .Engineering Technologies
2501 .Engineering And Industrial Management
2502 .Electrical Engineering Technology
2503 .Industrial Production Technologies
2504 .Mechanical Engineering Related Technologies
2599 .Miscellaneous Engineering Technologies
2601 .Linguistics And Comparative Language And Literature
2602 .French German Latin And Other Common Foreign Language Studies
2603 .Other Foreign Languages
2901 .Family And Consumer Sciences
3201 .Court Reporting
3202 .Pre-Law And Legal Studies
3301 .English Language And Literature
3302 .Composition And Rhetoric
3401 .Liberal Arts
3402 .Humanities
3501 .Library Science
3600 .Biology
3601 .Biochemical Sciences
3602 .Botany
3603 .Molecular Biology
3604 .Ecology
3605 .Genetics
3606 .Microbiology
3607 .Pharmacology
3608 .Physiology
3609 .Zoology
3611 .Neuroscience
3699 .Miscellaneous Biology
3700 .Mathematics
3701 .Applied Mathematics
3702 .Statistics And Decision Science
3801 .Military Technologies
4000 .Multi/Interdisciplinary Studies
4001 .Intercultural And International Studies
4002 .Nutrition Sciences
4005 .Mathematics And Computer Science
4006 .Cognitive Science And Biopsychology
4007 .Interdisciplinary Social Sciences
4101 .Physical Fitness Parks Recreation And Leisure
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4901 .Theology And Religious Vocations
5000 .Physical Sciences
5001 .Astronomy And Astrophysics
5002 .Atmospheric Sciences And Meteorology
5003 .Chemistry
5004 .Geology And Earth Science
5005 .Geosciences
5006 .Oceanography
5007 .Physics
5008 .Materials Science
5009 .Multi-Disciplinary Or General Science
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5202 .Clinical Psychology
5203 .Counseling Psychology
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5206 .Social Psychology
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5401 .Public Administration
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5504 .Geography
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5507 .Sociology
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5701 .Electrical, Mechanical, And Precision Technologies And Production
5901 .Transportation Sciences And Technologies
6000 .Fine Arts
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6005 .Film Video And Photographic Arts
6006 .Art History And Criticism
6007 .Studio Arts
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6102 .Communication Disorders Sciences And Services
6103 .Health And Medical Administrative Services
6104 .Medical Assisting Services
6105 .Medical Technologies Technicians
6106 .Health And Medical Preparatory Programs
6107 .Nursing
6108 .Pharmacy Pharmaceutical Sciences And Administration
6109 .Treatment Therapy Professions
6110 .Community And Public Health
6199 .Miscellaneous Health Medical Professions
6200 .General Business
6201 .Accounting
6202 .Actuarial Science
6203 .Business Management And Administration
6204 .Operations Logistics And E-Commerce
6205 .Business Economics
6206 .Marketing And Marketing Research
6207 .Finance
6209 .Human Resources And Personnel Management
6210 .International Business
6211 .Hospitality Management
6212 .Management Information Systems And Statistics
6299 .Miscellaneous Business & Medical Administration
6402 .History
6403 .United States History

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

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

INDP
Character 4
Industry recode for 2018 and later based on 2017 IND codes
  bbbb .N/A (less than 16 years old/NILF who last worked more than .5 years ago or never worked)
  0170 .AGR-Crop Production
  0180 .AGR-Animal Production And Aquaculture
  0190 .AGR-Forestry Except Logging
  0270 .AGR-Logging
  0280 .AGR-Fishing, Hunting And Trapping
<table>
<thead>
<tr>
<th>Code</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>0290</td>
<td>.AGR-Support Activities For Agriculture And Forestry</td>
</tr>
<tr>
<td>0370</td>
<td>.EXT-Oil And Gas Extraction</td>
</tr>
<tr>
<td>0380</td>
<td>.EXT-Coal Mining</td>
</tr>
<tr>
<td>0390</td>
<td>.EXT-Metal Ore Mining</td>
</tr>
<tr>
<td>0470</td>
<td>.EXT-Nonmetallic Mineral Mining And Quarrying</td>
</tr>
<tr>
<td>0490</td>
<td>.EXT-Support Activities For Mining</td>
</tr>
<tr>
<td>0570</td>
<td>.UTL-Electric Power Generation, Transmission And Distribution</td>
</tr>
<tr>
<td>0580</td>
<td>.UTL-Natural Gas Distribution</td>
</tr>
<tr>
<td>0590</td>
<td>.UTL-Electric And Gas, And Other Combinations</td>
</tr>
<tr>
<td>0670</td>
<td>.UTL-Water, Steam, Air Conditioning, And Irrigation Systems</td>
</tr>
<tr>
<td>0680</td>
<td>.UTL-Sewage Treatment Facilities</td>
</tr>
<tr>
<td>0690</td>
<td>.UTL-Not Specified Utilities</td>
</tr>
<tr>
<td>0770</td>
<td>.CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)</td>
</tr>
<tr>
<td>1070</td>
<td>.MFG-Animal Food, Grain And Oilseed Milling</td>
</tr>
<tr>
<td>1080</td>
<td>.MFG-Sugar And Confectionery Products</td>
</tr>
<tr>
<td>1090</td>
<td>.MFG-Fruit And Vegetable Preserving And Specialty Foods</td>
</tr>
<tr>
<td>1170</td>
<td>.MFG-Dairy Products</td>
</tr>
<tr>
<td>1180</td>
<td>.MFG-Animal Slaughtering And Processing</td>
</tr>
<tr>
<td>1190</td>
<td>.MFG-Retail Bakeries</td>
</tr>
<tr>
<td>1270</td>
<td>.MFG-Bakeries And Tortilla, Except Retail Bakeries</td>
</tr>
<tr>
<td>1280</td>
<td>.MFG-Seafood And Other Miscellaneous Foods, N.E.C.</td>
</tr>
<tr>
<td>1290</td>
<td>.MFG-Not Specified Food Industries</td>
</tr>
<tr>
<td>1370</td>
<td>.MFG-Beverage</td>
</tr>
<tr>
<td>1390</td>
<td>.MFG-Tobacco</td>
</tr>
<tr>
<td>1470</td>
<td>.MFG-Fiber, Yarn, And Thread Mills</td>
</tr>
<tr>
<td>1480</td>
<td>.MFG-Fabric Mills, Except Knitting Mills</td>
</tr>
<tr>
<td>1490</td>
<td>.MFG-Textile And Fabric Finishing And Fabric Coating Mills</td>
</tr>
<tr>
<td>1570</td>
<td>.MFG-Carpet And Rug Mills</td>
</tr>
<tr>
<td>1590</td>
<td>.MFG-Textile Product Mills, Except Carpet And Rug</td>
</tr>
<tr>
<td>1670</td>
<td>.MFG-Knitting Fabric Mills, And Apparel Knitting Mills</td>
</tr>
<tr>
<td>1691</td>
<td>.MFG-Cut And Sew, And Apparel Accessories And Other Apparel</td>
</tr>
<tr>
<td>1770</td>
<td>.MFG-Footwear</td>
</tr>
<tr>
<td>1790</td>
<td>.MFG-Leather And Hide Tanning And Finishing, And Other Leather And Allied Products</td>
</tr>
<tr>
<td>1870</td>
<td>.MFG-Pulp, Paper, And Paperboard Mills</td>
</tr>
<tr>
<td>1880</td>
<td>.MFG-Paperboard Container</td>
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<tr>
<td>1890</td>
<td>.MFG-Misellaneous Paper And Pulp Products</td>
</tr>
<tr>
<td>1990</td>
<td>.MFG-Printing And Related Support Activities</td>
</tr>
<tr>
<td>2070</td>
<td>.MFG-Petroleum Refining</td>
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<tr>
<td>2090</td>
<td>.MFG-Misellaneous Petroleum And Coal Products</td>
</tr>
<tr>
<td>2170</td>
<td>.MFG-Resin, Synthetic Rubber, And Fibers And Filaments</td>
</tr>
<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>
</tr>
<tr>
<td>2290</td>
<td>.MFG-Industrial And Miscellaneous Chemicals</td>
</tr>
<tr>
<td>2370</td>
<td>.MFG-Plastics Products</td>
</tr>
<tr>
<td>2380</td>
<td>.MFG-Tires</td>
</tr>
<tr>
<td>2390</td>
<td>.MFG-Rubber Products, Except Tires</td>
</tr>
<tr>
<td>2470</td>
<td>.MFG-Pottery, Ceramics, And Plumbing Fixture Manufacturing</td>
</tr>
<tr>
<td>2480</td>
<td>.MFG-Clay Building Material And Refractories</td>
</tr>
<tr>
<td>2490</td>
<td>.MFG-Glass And Glass Products</td>
</tr>
<tr>
<td>2570</td>
<td>.MFG-Cement, Concrete, Lime, And Gypsum Products</td>
</tr>
<tr>
<td>2590</td>
<td>.MFG-Misellaneous Nonmetallic Mineral Products</td>
</tr>
</tbody>
</table>
2670 .MFG-Iron And Steel Mills And Steel Products
2680 .MFG-Aluminum Production And Processing
2690 .MFG-Nonferrous Metal, Except Aluminum, Production And Processing
2770 .MFG-Poundries
2780 .MFG-Metal Forgings And Stampings
2790 .MFG-Cutlery And Hand Tools
2870 .MFG-Structural Metals, And Boiler, Tank, And Shipping Containers
2880 .MFG-Machine Shops; Turned Products; Screws, Nuts And Bolts
2890 .MFG-Coating, Engraving, Heat Treating And Allied Activities
2970 .MFG-Ordnance
2980 .MFG-Miscellaneous Fabricated Metal Products
2990 .MFG-Not Specified Metal Industries
3070 .MFG-Agricultural Implements
3080 .MFG-Construction, And Mining And Oil And Gas Field Machinery
3095 .MFG-Commercial And Service Industry Machinery
3170 .MFG-Metalworking Machinery
3180 .MFG-Engine, Turbine, And Power Transmission Equipment
3291 .MFG-Machinery N.E.C. Or Not Specified
3365 .MFG-Computer And Peripheral Equipment
3370 .MFG-Communications, And Audio And Video Equipment
3380 .MFG-Navigational, Measuring, Electromedical, And Control Instruments
3390 .MFG-Electronic Components And Products, N.E.C.
3470 .MFG-Household Appliances
3490 .MFG-Electric Lighting And Electrical Equipment Manufacturing, And Other Electrical Component Manufacturing, N.E.C.
3570 .MFG-Motor Vehicles And Motor Vehicle Equipment
3580 .MFG-Aircraft And Parts
3590 .MFG-Aerospace Products And Parts
3670 .MFG-Railroad Rolling Stock
3680 .MFG-Ship And Boat Building
3690 .MFG-Other Transportation Equipment
3770 .MFG-Sawmills And Wood Preservation
3780 .MFG-Veneer, Plywood, And Engineered Wood Products
3790 .MFG-Prefabricated Wood Buildings And Mobile Homes
3875 .MFG-Miscellaneous Wood Products
3895 .MFG-Furniture And Related Products
3960 .MFG-Medical Equipment And Supplies
3970 .MFG-Sporting And Athletic Goods, And Doll, Toy, And Game Manufacturing
3990 .MFG-Miscellaneous Manufacturing, N.E.C.
4070 .WHL-Motor Vehicle And Motor Vehicle Parts And Supplies Merchant Wholesalers
4080 .WHL-Furniture And Home Furnishing Merchant Wholesalers
4090 .WHL-Lumber And Other Construction Materials Merchant Wholesalers
4170 .WHL-Professional And Commercial Equipment And Supplies Merchant Wholesalers
4180 .WHL-Metals And Minerals, Except Petroleum, Merchant Wholesalers
4195 .WHL-Household Appliances And Electrical And Electronic Goods Merchant Wholesalers
4265 .WHL-Hardware, And Plumbing And Heating Equipment, And Supplies Merchant Wholesalers
4270 .WHL-Machinery, Equipment, And Supplies Merchant Wholesalers
4280 .WHL-Recyclable Material Merchant Wholesalers
4290 .WHL-Miscellaneous Durable Goods Merchant Wholesalers
4370 .WHL-Paper And Paper Products Merchant Wholesalers
4380 .WHL-Drugs, Sundries, And Chemical And Allied Products Merchant Wholesalers
4390 .WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers
4470 .WHL-Grocery And Related Product Merchant Wholesalers
4480 .WHL-Farm Product Raw Material Merchant Wholesalers
4490 .WHL-Petroleum And Petroleum Products Merchant Wholesalers
4560 .WHL-Alcoholic Beverages Merchant Wholesalers
4570 .WHL-Farm Supplies Merchant Wholesalers
4580 .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers
4585 .WHL-Wholesale Electronic Markets And Agents And Brokers
4590 .WHL-Not Specified Wholesale Trade
4670 .RET-Automobile Dealers
4680 .RET-Other Motor Vehicle Dealers
4690 .RET-Automotive Parts, Accessories, And Tire Stores
4770 .RET-Furniture And Home Furnishings Stores
4780 .RET-Household Appliance Stores
4795 .RET-Electronics Stores
4870 .RET-Building Material And Supplies Dealers
4880 .RET-Hardware Stores
4890 .RET-Lawn And Garden Equipment And Supplies Stores
4971 .RET-Supermarkets and Other Grocery (Except Convenience) Stores
4972 .RET-Convenience Stores
4980 .RET-Specialty Food Stores
4990 .RET-Beer, Wine, And Liquor Stores
5070 .RET-Pharmacies And Drug Stores
5080 .RET-Health And Personal Care, Except Drug, Stores
5090 .RET-Gasoline Stations
5170 .RET-Clothing Stores
5180 .RET-Shoe Stores
5190 .RET-Jewelry, Luggage, And Leather Goods Stores
5275 .RET-Sporting Goods, And Hobby And Toy Stores
5280 .RET-Sewing, Needlework, And Piece Goods Stores
5295 .RET-Musical Instrument And Supplies Stores
5370 .RET-Book Stores And News Dealers
5381 .RET-Department Stores
5391 .RET-General Merchandise Stores, Including Warehouse Clubs and Supercenters
5470 .RET-Florists
5480 .RET-Office Supplies And Stationery Stores
5490 .RET-Used Merchandise Stores
5570 .RET-Gift, Novelty, And Souvenir Shops
5580 .RET-Miscellaneous Retail Stores
5593 .RET-Electronic Shopping And Mail-Order Houses
5670 .RET-Vending Machine Operators
5680 .RET-Fuel Dealers
5690 .RET-Other Direct Selling Establishments
5790 .RET-Not Specified Retail Trade
6070 .TRN-Air Transportation
6080 .TRN-Rail Transportation
6090 .TRN-Water Transportation
6170 .TRN-Truck Transportation
6180 .TRN-Bus Service And Urban Transit
6190 .TRN-Taxi And Limousine Service
6270 .TRN-Pipeline Transportation
6280 .TRN-Scenic And Sightseeing Transportation
6290 .TRN-Services Incidental To Transportation
6370 .TRN-Postal Service
6380 .TRN-Couriers And Messengers
6390 .TRN-Warehousing And Storage
6470 .INF-Newspaper Publishers
6480 .INF-Periodical, Book, And Directory Publishers
6490 .INF-Software Publishers
6570 .INF-Motion 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 Libraries And .Archives, And Internet Publishing And Broadcasting And Web .Search Portals
6870 .FIN-Banking And Related Activities
6880 .FIN-Savings Institutions, Including Credit Unions
6890 .FIN-Nondepository Credit And Related Activities
6970 .FIN-Securities, Commodities, Funds, Trusts, And Other .Financial Investments
6991 .FIN-Insurance Carriers
6992 .FIN-Agencies, Brokerage, And Other Insurance Related .Activates
7071 .FIN-Lessors Of Real Estate, And Offices Of Real Estate .Agents And Brokers
7072 .FIN-Real Estate Property Managers, Offices Of Real Estates .Appraisers, And Other Activities Related To Real Estates
7080 .FIN-Automotive Equipment Rental And Leasing
7181 .FIN-Other Consumer Goods Rental
7190 .FIN-Commercial, Industrial, And Other Intangible Assets .Rental And Leasing
7270 .PRF-Legal Services
7280 .PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll .Services
7290 .PRF-Architectural, Engineering, And Related Services
7370 .PRF-Specialized Design Services
7380 .PRF-Computer Systems Design And Related Services
7390 .PRF-Management, Scientific, And Technical Consulting .Services
7460 .PRF-Scientific Research And Development Services
7470 .PRF-Advertising, Public Relations, And Related Services
7480 .PRF-Veterinary Services
7490 .PRF-Other Professional, Scientific, And Technical Services
7570 .PRF-Management Of Companies And Enterprises
7580 .PRF-Employment Services
7590 .PRF-Business Support Services
7670 .PRF-Travel Arrangements And Reservation Services
7680 .PRF-Investigation And Security Services
7690 .PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)
7770 .PRF-Landscaping Services
7780 .PRF-Other Administrative And Other Support Services
7790 .PRF-Waste Management And Remediation Services
7860 .EDU-Elementary And Secondary Schools
7870 .EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges
7880 .EDU-Business, Technical, And Trade Schools And Training
7890 .EDU-Other Schools And Instruction, And Educational Support Services
7970 .MED-Offices Of Physicians
7980 .MED-Offices Of Dentists
7990 .MED-Offices Of Chiropractors
8070 .MED-Offices Of Optometrists
8080 .MED-Offices Of Other Health Practitioners
8090 .MED-Outpatient Care Centers
8170 .MED-Home Health Care Services
8180 .MED-Other Health Care Services
8191 .MED-General Medical And Surgical Hospitals, And Specialty (Except Psychiatric And Substance Abuse) Hospitals
8192 .MED-Psychiatric And Substance Abuse Hospitals
8270 .MED-Nursing Care Facilities (Skilled Nursing Facilities)
8290 .MED-Residential Care Facilities, Except Skilled Nursing Facilities
8370 .SCA-Individual And Family Services
8380 .SCA-Community Food And Housing, And Emergency Services
8390 .SCA-Vocational Rehabilitation Services
8470 .SCA-Child Day Care Services
8561 .ENT-Performing Arts Companies
8562 .ENT-Spectator Sports
8563 .ENT-Promoters Of Performing Arts, Sports, And Similar Events, Agents And Managers For Artists, Athletes, Entertainers, And Other Public Figures
8564 .ENT-Independent Artists, Writers, And Performers
8570 .ENT-Museums, Art Galleries, Historical Sites, And Similar Institutions
8580 .ENT-Bowling Centers
8590 .ENT-Other Amusement, Gambling, And Recreation Industries
8660 .ENT-Traveler Accommodation
8670 .ENT-Recreational Vehicle Parks And Camps, And Rooming And Boarding Houses, Dormitories, And Workers' Camps
8680 .ENT-Restaurants And Other Food Services
8690 .ENT-Drinking Places, Alcoholic Beverages
8770 .SRV-Automotive Repair And Maintenance
8780 .SRV-Car Washes
8790 .SRV-Electronic And Precision Equipment Repair And Maintenance
8870 .SRV-Commercial And Industrial Machinery And Equipment Repair And Maintenance
8891 .SRV-Personal And Household Goods Repair And Maintenance
8970 .SRV-Barber Shops
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
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8090</td>
<td>SRV-Other Personal Services</td>
</tr>
<tr>
<td>8160</td>
<td>SRV-Religious Organizations</td>
</tr>
<tr>
<td>8170</td>
<td>SRV-Civic, Social, Advocacy Organizations, And Grantmaking And Giving Services</td>
</tr>
<tr>
<td>8180</td>
<td>SRV-Labor Unions</td>
</tr>
<tr>
<td>8190</td>
<td>SRV-Business, Professional, Political, And Similar Organizations</td>
</tr>
<tr>
<td>8290</td>
<td>SRV-Private Households</td>
</tr>
<tr>
<td>8370</td>
<td>ADM-Executive Offices And Legislative Bodies</td>
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<tr>
<td>8380</td>
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<tr>
<td>8390</td>
<td>ADM-Other General Government And Support</td>
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<tr>
<td>8470</td>
<td>ADM-Justice, Public Order, And Safety Activities</td>
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<tr>
<td>8480</td>
<td>ADM-Administration Of Human Resource Programs</td>
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<tr>
<td>8490</td>
<td>ADM-Administration Of Environmental Quality And Housing Programs</td>
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<tr>
<td>8570</td>
<td>ADM-Administration Of Economic Programs And Space Research</td>
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<tr>
<td>8590</td>
<td>ADM-National Security And International Affairs</td>
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<tr>
<td>8670</td>
<td>MIL-U.S. Army</td>
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<tr>
<td>8680</td>
<td>MIL-U.S. Air Force</td>
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<tr>
<td>8690</td>
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<td>MIL-U.S. Marines</td>
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<tr>
<td>8780</td>
<td>MIL-U.S. Coast Guard</td>
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<tr>
<td>8790</td>
<td>MIL-U.S. Armed Forces, Branch Not Specified</td>
</tr>
<tr>
<td>8870</td>
<td>MIL-Military Reserves Or National Guard</td>
</tr>
<tr>
<td>8920</td>
<td>Unemployed And Last Worked 5 Years Ago Or Earlier Or Never Worked</td>
</tr>
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**JWAP**

**Character 3**

Time of arrival at work - hour and minute

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<tr>
<th>Code</th>
<th>Description</th>
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<td>001</td>
<td>12:00 a.m. to 12:04 a.m.</td>
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<td>002</td>
<td>12:05 a.m. to 12:09 a.m.</td>
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</tbody>
</table>

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.
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093 12:20 p.m. to 12:29 p.m.
094 12:30 p.m. to 12:39 p.m.
095 12:40 p.m. to 12:49 p.m.
096 12:50 p.m. to 12:59 p.m.
097 1:00 p.m. to 1:09 p.m.
098 1:10 p.m. to 1:19 p.m.
099 1:20 p.m. to 1:29 p.m.
100 1:30 p.m. to 1:39 p.m.
101 1:40 p.m. to 1:49 p.m.
102 1:50 p.m. to 1:59 p.m.
103 2:00 p.m. to 2:09 p.m.
104 2:10 p.m. to 2:19 p.m.
105 2:20 p.m. to 2:29 p.m.
106 2:30 p.m. to 2:39 p.m.
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108 2:50 p.m. to 2:59 p.m.
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112 3:30 p.m. to 3:39 p.m.
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114 3:50 p.m. to 3:59 p.m.
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119 4:40 p.m. to 4:49 p.m.
120 4:50 p.m. to 4:59 p.m.
121 5:00 p.m. to 5:09 p.m.
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125 5:40 p.m. to 5:49 p.m.
126 5:50 p.m. to 5:59 p.m.
127 6:00 p.m. to 6:09 p.m.
128 6:10 p.m. to 6:19 p.m.
129 6:20 p.m. to 6:29 p.m.
130 6:30 p.m. to 6:39 p.m.
131 6:40 p.m. to 6:49 p.m.
132 6:50 p.m. to 6:59 p.m.
133 7:00 p.m. to 7:09 p.m.
134 7:10 p.m. to 7:19 p.m.
135 7:20 p.m. to 7:29 p.m.
136 7:30 p.m. to 7:39 p.m.
137 7:40 p.m. to 7:49 p.m.
138 7:50 p.m. to 7:59 p.m.
139 8:00 p.m. to 8:09 p.m.
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141 8:20 p.m. to 8:29 p.m.
142 8:30 p.m. to 8:39 p.m.
143 8:40 p.m. to 8:49 p.m.
144 8:50 p.m. to 8:59 p.m.
145 9:00 p.m. to 9:09 p.m.
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147 9:20 p.m. to 9:29 p.m.
148 9:30 p.m. to 9:39 p.m.
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152 10:10 p.m. to 10:19 p.m.
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154 10:30 p.m. to 10:39 p.m.
155 10:40 p.m. to 10:49 p.m.
156 10:50 p.m. to 10:59 p.m.
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160 11:30 p.m. to 11:39 p.m.
161 11:40 p.m. to 11:49 p.m.
162 11:50 p.m. to 11:59 p.m.
163 12:00 a.m. to 12:09 a.m.
164 12:10 a.m. to 12:19 a.m.
165 12:20 a.m. to 12:29 a.m.
166 12:30 a.m. to 12:39 a.m.
167 12:40 a.m. to 12:49 a.m.
168 12:50 a.m. to 12:59 a.m.
169 1:00 a.m. to 1:09 a.m.
170 1:10 a.m. to 1:19 a.m.
171 1:20 a.m. to 1:29 a.m.
172 1:30 a.m. to 1:39 a.m.
173 1:40 a.m. to 1:49 a.m.
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175 2:00 a.m. to 2:09 a.m.
176 2:10 a.m. to 2:19 a.m.
177 2:20 a.m. to 2:29 a.m.
178 2:30 a.m. to 2:39 a.m.
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181 3:00 a.m. to 3:09 a.m.
182 3:10 a.m. to 3:19 a.m.
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184 3:30 a.m. to 3:39 a.m.
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187 4:00 a.m. to 4:09 a.m.
188 4:10 a.m. to 4:19 a.m.
189 4:20 a.m. to 4:29 a.m.
190 4:30 a.m. to 4:39 a.m.
191 4:40 a.m. to 4:49 a.m.
192 4:50 a.m. to 4:59 a.m.
193 5:00 a.m. to 5:09 a.m.
194 5:10 a.m. to 5:19 a.m.
195 5:20 a.m. to 5:29 a.m.
196 5:30 a.m. to 5:39 a.m.
197 5:40 a.m. to 5:49 a.m.
198 5:50 a.m. to 5:59 a.m.
199 6:00 a.m. to 6:09 a.m.
200 6:10 a.m. to 6:19 a.m.
201 6:20 a.m. to 6:29 a.m.
202 6:30 a.m. to 6:39 a.m.
203 6:40 a.m. to 6:49 a.m.
204 6:50 a.m. to 6:59 a.m.
205 7:00 a.m. to 7:09 a.m.
206 7:10 a.m. to 7:19 a.m.
207 7:20 a.m. to 7:29 a.m.
208 7:30 a.m. to 7:39 a.m.
209 7:40 a.m. to 7:49 a.m.
210 7:50 a.m. to 7:59 a.m.
211 8:00 a.m. to 8:09 a.m.
212 8:10 a.m. to 8:19 a.m.
213 8:20 a.m. to 8:29 a.m.
214 8:30 a.m. to 8:39 a.m.
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<tr>
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**LANP**  
**Character 4**

Language 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
- Armenian
- Farsi
- Dari
- Kurdish
- Pashto
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<td>Other Central and South American languages</td>
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<td>9999</td>
<td>Other and unspecified languages</td>
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### MIGPUMA Character 5
Migration PUMA based on 2010 Census definition

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<tr>
<td>bbbbb</td>
<td>N/A (person less than 1 year old/lived in same house 1 year ago)</td>
</tr>
<tr>
<td>00001</td>
<td>Did not live in the United States or in Puerto Rico one year ago</td>
</tr>
<tr>
<td>00002</td>
<td>Lived in Puerto Rico one year ago and current residence is in the U.S.</td>
</tr>
<tr>
<td>00100..70100</td>
<td>Assigned Migration PUMA. Use with MIGSP.</td>
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### MIGSP Character 3
Migration recode - State or foreign country code

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<td>Alabama/AL</td>
</tr>
<tr>
<td>002</td>
<td>Alaska/AK</td>
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<tr>
<td>004</td>
<td>Arizona/AZ</td>
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<tr>
<td>005</td>
<td>Arkansas/AR</td>
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<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>
</tr>
<tr>
<td>010</td>
<td>Delaware/DE</td>
</tr>
<tr>
<td>011</td>
<td>District of Columbia/DC</td>
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</table>
214 .Israel
215 .Japan
217 .Korea
229 .Nepal
231 .Pakistan
233 .Philippines
235 .Saudi Arabia
240 .Taiwan
242 .Thailand
243 .Turkey
245 .United Arab Emirates
247 .Vietnam
251 .Eastern Asia, Not Specified
252 .Western Asia, Not Specified
253 .South Central Asia or Asia, Not Specified
301 .Canada
303 .Mexico
312 .El Salvador
313 .Guatemala
314 .Honduras
317 .Central America, Not Specified
318 .Cuba
329 .Dominican Republic
332 .Haiti
333 .Jamaica
344 .Caribbean and North America, Not Specified
362 .Brazil
364 .Colombia
365 .Ecuador
370 .Peru
373 .Venezuela
374 .South America, Not Specified
414 .Egypt
416 .Ethiopia
427 .Kenya
440 .Nigeria
467 .Western Africa, Not Specified
468 .Other Africa, Not Specified
469 .Eastern Africa, Not Specified
501 .Australia
555 .Other US Island Areas, Oceania, Not Specified, or At Sea

**MSP**  
**Character**  1  
Married, spouse present/spouse absent

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

**NAICSP**  
**Character**  8  
North American Industry Classification System (NAICS) recode for 2018 and later based on 2017 NAICS codes

bbbbbbbb .N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
111  .AGR-Crop Production
112  .AGR-Animal Production And Aquaculture
1133  .AGR-Logging
113M  .AGR-Forestry Except Logging
114  .AGR-Fishing, Hunting, And Trapping
115  .AGR-Support Activities For Agriculture And Forestry
211  .EXT-Oil And Gas Extraction
2121  .EXT-Coal Mining
2122  .EXT-Metal Ore Mining
2123  .EXT-Nonmetallic Mineral Mining And Quarrying
213  .EXT-Support Activities For Mining
2211P  .UTL-Electric Power Generation, Transmission And Distribution
2212P  .UTL-Natural Gas Distribution
22132  .UTL-Sewage Treatment Facilities
2213M  .UTL-Water, Steam, Air Conditioning, And Irrigation Systems
221MP  .UTL-Electric And Gas, And Other Combinations
22S  .UTL-Not Specified Utilities
23  .CON-Construction, (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)
3113  .MFG-Sugar And Confectionery Products
3114  .MFG-Fruit And Vegetable Preserving And Specialty Foods
3115  .MFG-Dairy Products
3116  .MFG-Animal Slaughtering And Processing
311B1L  .MFG-Retail Bakeries
311B2Z  .MFG-Bakeries And Tortilla, Except Retail Bakeries
311M1  .MFG-Animal Food, Grain And Oilseed Milling
311M2  .MFG-Seafood And Other Miscellaneous Foods, N.E.C.
311S  .MFG-Not Specified Food Industries
3121  .MFG-Beverage
3122  .MFG-Tobacco
3131  .MFG-Fiber, Yarn, And Thread Mills
3132Z  .MFG-Fabric Mills, Except Knitting Mills
3133  .MFG-Textile And Fabric Finishing And Fabric Coating Mills
31411  .MFG-Carpet And Rug Mills
314Z  .MFG-Textile Product Mills, Except Carpet And Rug
315M  .MFG-Cut And Sew, And Apparel Accessories And Other Apparel
3162  .MFG-Footwear
316M  .MFG-Leather Tanning And Finishing And Other Allied Products Manufacturing
31M  .MFG-Knitting Fabric Mills, And Apparel Knitting Mills
3211  .MFG-Sawmills And Wood Preservation
3212  .MFG-Veneer, Plywood, And Engineered Wood Products
32199M  .MFG-Prefabricated Wood Buildings And Mobile Homes
3219ZM  .MFG-Miscellaneous Wood Products
3221  .MFG-Pulp, Paper, And Paperboard Mills
32221  .MFG-Paperboard Container
3222M  .MFG-Miscellaneous Paper And Pulp Products
3231  .MFG-Printing And Related Support Activities
3241M  .MFG-Miscellaneous Petroleum And Coal Products
32411  .MFG-Petroleum Refining
3252  .MFG-Resin, Synthetic Rubber, And Fibers And Filaments
3253  .MFG-Agricultural Chemicals

80
<table>
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<td>.MFG-Paint, Coating, And Adhesives</td>
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<td>3256</td>
<td>.MFG-Soap, Cleaning Compound, And Cosmetics</td>
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<tr>
<td>325M</td>
<td>.MFG-Industrial And Miscellaneous Chemicals</td>
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<tr>
<td>3261</td>
<td>.MFG-Plastics Products</td>
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<td>32621</td>
<td>.MFG-Tires</td>
</tr>
<tr>
<td>3262M</td>
<td>.MFG-Rubber Products, Except Tires</td>
</tr>
<tr>
<td>32711</td>
<td>.MFG-Pottery, Ceramics, And Plumbing Fixture</td>
</tr>
<tr>
<td></td>
<td>.Manufacturing</td>
</tr>
<tr>
<td>327120</td>
<td>.MFG-Clay Building Material And Refractories</td>
</tr>
<tr>
<td>3272</td>
<td>.MFG-Glass And Glass Products</td>
</tr>
<tr>
<td>3279</td>
<td>.MFG-Miscellaneous Nonmetallic Mineral Products</td>
</tr>
<tr>
<td>327M</td>
<td>.MFG-Cement, Concrete, Lime, And Gypsum Products</td>
</tr>
<tr>
<td>3313</td>
<td>.MFG-Aluminum Production And Processing</td>
</tr>
<tr>
<td>3314</td>
<td>.MFG-Nonferrous Metal, Except Aluminum, Production And Processing</td>
</tr>
<tr>
<td>3315</td>
<td>.MFG-Foundries</td>
</tr>
<tr>
<td>331M</td>
<td>.MFG-Iron And Steel Mills And Steel Products</td>
</tr>
<tr>
<td>3321</td>
<td>.MFG-Metal Forgings And Stampings</td>
</tr>
<tr>
<td>3322</td>
<td>.MFG-Cutlery And Hand Tools</td>
</tr>
<tr>
<td>3327</td>
<td>.MFG-Machine Shops; Turned Products; Screws, Nuts And Bolts</td>
</tr>
<tr>
<td>3328</td>
<td>.MFG-Coating, Engraving, Heat Treating And Allied Activities</td>
</tr>
<tr>
<td>3329M</td>
<td>.MFG-Ordnance</td>
</tr>
<tr>
<td>332M</td>
<td>.MFG-Structural Metals, And Boiler, Tank, And Shipping Containers</td>
</tr>
<tr>
<td>332MZ</td>
<td>.MFG-Miscellaneous Fabricated Metal Products</td>
</tr>
<tr>
<td>3331I</td>
<td>.MFG-Agricultural Implements</td>
</tr>
<tr>
<td>3331M</td>
<td>.MFG-Construction, And Mining And Oil And Gas Field Machinery</td>
</tr>
<tr>
<td>3333</td>
<td>.MFG-Commercial And Service Industry Machinery</td>
</tr>
<tr>
<td>333S</td>
<td>.MFG-Metalworking Machinery</td>
</tr>
<tr>
<td>3336</td>
<td>.MFG-Engine, Turbine, And Power Transmission Equipment</td>
</tr>
<tr>
<td>333MS</td>
<td>.MFG-Machinery Manufacturing, N.E.C. Or Not Specified</td>
</tr>
<tr>
<td>3341</td>
<td>.MFG-Computer And Peripheral Equipment</td>
</tr>
<tr>
<td>3345</td>
<td>.MFG-Navigational, Measuring, Electromedical, And Control Instruments</td>
</tr>
<tr>
<td>334M1</td>
<td>.MFG-Communications, And Audio And Video Equipment</td>
</tr>
<tr>
<td>334M2</td>
<td>.MFG-Electronic Components And Products, N.E.C.</td>
</tr>
<tr>
<td>3352</td>
<td>.MFG-Household Appliances</td>
</tr>
<tr>
<td>335M</td>
<td>.MFG-Electric Lighting, And Electrical Equipment Manufacturing, And Other Electrical Component Manufacturing, N.E.C.</td>
</tr>
<tr>
<td>33641M1</td>
<td>.MFG-Aircraft And Parts</td>
</tr>
<tr>
<td>33641M2</td>
<td>.MFG-Aerospace Products And Parts</td>
</tr>
<tr>
<td>3365</td>
<td>.MFG-Railroad Rolling Stock</td>
</tr>
<tr>
<td>3366</td>
<td>.MFG-Ship And Boat Building</td>
</tr>
<tr>
<td>3369</td>
<td>.MFG-Other Transportation Equipment</td>
</tr>
<tr>
<td>336M</td>
<td>.MFG-Motor Vehicles And Motor Vehicle Equipment</td>
</tr>
<tr>
<td>337</td>
<td>.MFG-Furniture And Related Products</td>
</tr>
<tr>
<td>3391</td>
<td>.MFG-Medical Equipment And Supplies</td>
</tr>
<tr>
<td>3399M</td>
<td>.MFG-Sporting And Athletic Goods, And Doll, Toy, And Game Manufacturing</td>
</tr>
<tr>
<td>3399ZM</td>
<td>.MFG-Miscellaneous Manufacturing, N.E.C.</td>
</tr>
<tr>
<td>33MS</td>
<td>.MFG-Not Specified Metal Industries</td>
</tr>
<tr>
<td>3MS</td>
<td>.MFG-Not Specified Industries</td>
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4231 .WHL-Motor Vehicles 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
4239 .WHL-Recyclable Material Merchant Wholesalers
4239Z .WHL-Miscellaneous Durable Goods Merchant Wholesalers
4241 .WHL-Paper And Paper Products Merchant Wholesalers
4243 .WHL-Apparel, Piece Goods, And Notions Merchant Wholesalers
4244 .WHL-Grocery And Related Product Merchant Wholesalers
4245 .WHL-Farm Product Raw Material Merchant Wholesalers
4247 .WHL-Petroleum And Petroleum Products Merchant Wholesalers
4248 .WHL-Alcoholic Beverages Merchant Wholesalers
42491 .WHL-Farm Supplies Merchant Wholesalers
42492 .WHL-Miscellaneous Nondurable Goods Merchant Wholesalers
424M .WHL-Drugs, Sundries, And Chemical And Allied Products Merchant Wholesalers
4251 .WHL-Wholesale Electronic Markets And Agents And Brokers
42S .WHL-Not Specified Wholesale Trade
4411 .RET-Automobile Dealers
4412 .RET-Other Motor Vehicle Dealers
4413 .RET-Automotive Parts, Accessories, And Tire Stores
442 .RET-Furniture And Home Furnishings Stores
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
44511 .RET-Supermarkets And Grocery (Except Convenience) Stores
44512 .RET-Convenience Stores
4452 .RET-Specialty Food Stores
4453 .RET-Beer, Wine, And Liquor Stores
44611 .RET-Pharmacies And Drug Stores
4462 .RET-Health And Personal Care, Except Drug, Stores
447 .RET-Gasoline Stations
44821 .RET-Shoe Stores
4483 .RET-Jewelry, Luggage, And Leather Goods Stores
4481 .RET-Clothing Stores
45113 .RET-Sewing, Needlework, And Piece Goods Stores
45114 .RET-Musical Instrument And Supplies Stores
4511M .RET-Sporting Goods, And Hobby And Toy Stores
45121 .RET-Book Stores And News Dealers
45221 .RET-Department Stores
4523 .RET-General Merchandise Stores, Including Warehouse Clubs and Supercenters
4531 .RET-Florists
45321 .RET-Office Supplies And Stationery Stores
45322 .RET-Gift, Novelty, And Souvenir Shops
4533 .RET-Used Merchandise Stores
4539 .RET-Miscellaneous Retail Stores
45410 .RET-Electronic Shopping And Mail-Order Houses
4542 .RET-Vending Machine Operators
45430 .RET-Fuel Dealers
45439 .RET-Other Direct Selling Establishments
4MS .RET-Not Specified Retail Trade
481 .TRN-Air Transportation
482 .TRN-Rail Transportation
483 .TRN-Water Transportation
484 .TRN-Truck Transportation
4853 .TRN-Taxi And Limousine Service
485M .TRN-Bus Service And Urban Transit
486 .TRN-Pipeline Transportation
487 .TRN-Scenic And Sightseeing Transportation
488 .TRN-Services Incidental To Transportation
491 .TRN-Postal Service
492 .TRN-Couriers And Messengers
493 .TRN-Warehousing And Storage
51111 .INF-Newspaper Publishers
51112 .INF-Periodical, Book, And Directory Publishers
5112 .INF-Software Publishers
5121 .INF-Motion Picture And Video Industries
5122 .INF-Sound Recording Industries
515 .INF-Broadcasting, Except Internet
51711 .INF-Wired Telecommunications Carriers
517Z .INF-Telecommunications, Except Wired Telecommunications Carriers
5182 .INF-Data Processing, Hosting, And Related Services
51912 .INF-Libraries And Archives
51913 .INF-Internet Publishing And Broadcasting And Web Search Portals
51912M .INF-Other Information Services, Except Libraries And Archives, And Internet Publishing And Broadcasting And Web Search Portals
5221M .FIN-Savings Institutions, Including Credit Unions
522M .FIN-Nondepository Credit And Related Activities
5241 .FIN-Insurance Carriers
5242 .FIN-Agencies, Brokerages, And Other Insurance Related Activities
52M1 .FIN-Banking And Related Activities
52M2 .FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments
531M .FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers
5313 .FIN-Real Estate Property Managers, Offices of Real Estate Appraisers, And Other Activities Related to Real Estate
5321 .FIN-Automotive Equipment Rental And Leasing
532M2 .FIN-Other Consumer Goods Rental
53M .FIN-Commercial, Industrial, And Other Intangible Assets Rental And Leasing
5411 .PRF-Legal Services
5412 .PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services
5413 .PRF-Architectural, Engineering, And Related Services
5414 .PRF-Specialized Design Services
5415 .PRF-Computer Systems Design And Related Services
5416 .PRF-Management, Scientific, And Technical Consulting Services
5417 .PRF-Scientific Research And Development Services
5418 .PRF-Advertising, Public Relations, And Related Services
5419 .PRF-Veterinary Services
5419Z .PRF-Other Professional, Scientific, And Technical Services
55 .PRF-Management Of Companies And Enterprises
5613 .PRF-Employment Services
5614 .PRF-Business Support Services
5615 .PRF-Travel Arrangements And Reservation Services
5616 .PRF-Investigation And Security Services
5617 .PRF-Landscaping Services
5617Z .PRF-Services To Buildings And Dwellings (Except Cleaning During Construction And Immediately After Construction)
561M .PRF-Other Administrative And Other Support Services
562 .PRF-Waste Management And Remediation Services
611 .EDU-Elementary And Secondary Schools
611M1 .EDU-Colleges, Universities, And Professional Schools, Including Junior Colleges
611M2 .EDU-Business, Technical, And Trade Schools And Training
611M3 .EDU-Other Schools And Instruction, And Educational Support Services
6211 .MED-Offices Of Physicians
6212 .MED-Offices Of Dentists
62131 .MED-Offices Of Chiropractors
62132 .MED-Offices Of Optometrists
6213ZM .MED-Offices Of Other Health Practitioners
6214 .MED-Outpatient Care Centers
6216 .MED-Home Health Care Services
621M .MED-Other Health Care Services
622M .MED-General Medical And Surgical Hospitals, And Specialty (Except Psychiatric And Substance Abuse) Hospitals
6222 .MED-Psychiatric And Substance Abuse Hospitals
6231 .MED-Nursing Care Facilities (Skilled Nursing Facilities)
623M .MED-Residential Care Facilities, Except Skilled Nursing Facilities
6241 .SCA-Individual And Family Services
6242 .SCA-Community Food And Housing, And Emergency Services
6243 .SCA-Vocational Rehabilitation Services
6244 .SCA-Child Day Care Services
7111 .ENT-Performing Arts Companies
7112 .ENT-Spectator Sports
711M .ENT-Promoters Of Performing Arts, Sports, And Similar Events, Agents And Managers For Artists, Athletes, Entertainers, And Other Public Figures
7115 .Independent Artists, Writers, And Performers
NATIVITY Character 1
Nativity
1 .Native
2 .Foreign born

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

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

OCCP  Character  4
Occupation recode for 2018 and later based on 2018 OCC codes
bbbb .N/A (less than 16 years old/NILF who last worked more than .5 years ago or never worked)
0010 .MGR-Chief Executives And Legislators
0020 .MGR-General And Operations Managers
0040 .MGR-Advertising And Promotions Managers
0051 .MGR-Marketing Managers
0052 .MGR-Sales Managers
0060 .MGR-Public Relations And Fundraising Managers
0101 .MGR-Administrative Services Managers
0102 .MGR-Facilities Managers
0110 .MGR-Computer And Information Systems Managers
0120 .MGR-Financial Managers
0135 .MGR-Compensation And Benefits Managers
0136 .MGR-Human Resources Managers
0137 .MGR-Training And Development Managers
0140 .MGR-Industrial Production Managers
0150 .MGR-Purchasing Managers
0160 .MGR-Transportation, Storage, And Distribution Managers
0205 .MGR-Farmers, Ranchers, And Other Agricultural Managers
0220 .MGR-Construction Managers
0230 .MGR-Education And Childcare Administrators
0300 .MGR-Architectural And Engineering Managers
0310 .MGR-Food Service Managers
0335 .MGR-Entertainment and Recreation Managers
0340 .MGR-Lodging Managers
0350 .MGR-Medical And Health Services Managers
0360 .MGR-Natural Sciences Managers
0410 .MGR-Property, Real Estate, And Community Association Managers
0420 .MGR-Social And Community Service Managers
0425 .MGR-Emergency Management Directors
0440 .MGR-Other Managers
0500 .BUS-Agents And Business Managers Of Artists, Performers, And Athletes
0510 .BUS-Buyers And Purchasing Agents, Farm Products
0520 .BUS-WholeSale And Retail Buyers, Except Farm Products
0530 .BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products
0540 .BUS-Claims Adjusters, Appraisers, Examiners, And Investigators
0565 .BUS-Compliance Officers
0600 .BUS-Cost Estimators
0630 .BUS-Human Resources Workers
0640 .BUS-Compensation, Benefits, And Job Analysis Specialists
0650 .BUS-Training And Development Specialists
0700 .BUS-Logisticians
0705 .BUS-Project Management Specialists
0710 .BUS-Management Analysts
0725 .BUS-Meeting, Convention, And Event Planners
0726 .BUS-Fundraisers
0735 .BUS-Market Research Analysts And Marketing Specialists
0750 .BUS-Business Operations Specialists, All Other
0800 .FIN-Accountants And Auditors
0810 .FIN-Property Appraisers and Assessors
0820 .FIN-Budget Analysts
0830 .FIN-Credit Analysts
0845 .FIN-Financial And Investment Analysts
0850 .FIN-Personal Financial Advisors
0860 .FIN-Insurance Underwriters
0900 .FIN-Financial Examiners
0910 .FIN-Credit Counselors And Loan Officers
0930 .FIN-Tax Examiners And Collectors, And Revenue Agents
0940 .FIN-Tax Preparers
0960 .FIN-Other Financial Specialists
1000 .CMM-Computer And Information Research Scientists
1006 .CMM-Computer Systems Analysts
1007 .CMM-Information Security Analysts
1010 .CMM-Computer Programmers
1021 .CMM-Software Developers
1022 .CMM-Software Quality Assurance Analysts and Testers
1031 .CMM-Web Developers
1032 .CMM-Web And Digital Interface Designers
1050 .CMM-Computer Support Specialists
1065 .CMM-Database Administrators and Architects
1105 .CMM-Network And Computer Systems Administrators
1106 .CMM-Computer Network Architects
1108 .CMM-Computer Occupations, All Other
1200 .CMM-Actuaries
1220 .CMM-Operations Research Analysts
1240 .CMM-Other Mathematical Science Occupations
1305 .ENG-Architects, Except Landscape And Naval
1306 .ENG-Landscape Architects
1310 .ENG-Surveyors, Cartographers, And Photogrammetrists
1320 .ENG-Aerospace Engineers
1340 .ENG-Biomedical And Agricultural Engineers
1350 .ENG-Chemical Engineers
1360 .ENG-Civil Engineers
1400 .ENG-Computer Hardware Engineers
1410 .ENG-Electrical And Electronics Engineers
1420 .ENG-Environmental Engineers
1430 .ENG-Industrial Engineers, Including Health And Safety
1440 .ENG-Marine Engineers And Naval Architects
1450 .ENG-Materials Engineers
1460 .ENG-Mechanical Engineers
1520 .ENG-Petroleum, Mining And Geological Engineers, Including .Mining Safety Engineers
1530 .ENG-Other Engineers
1541 .ENG-Architectural And Civil Drafters
1545 .ENG-Other Drafters
1551 .ENG-Electrical And Electronic Engineering Technologists and .Technicians
1555 .Other Engineering Technologists And Technicians, Except .Drafters
1560 .ENG-Surveying And Mapping Technicians
1600 .SCI-Agricultural And Food Scientists
1610 .SCI-Biological Scientists
1640 .SCI-Conservation Scientists And Foresters
1650 .SCI-Other Life Scientists
1700 .SCI-Astronomers And Physicists
1710 .SCI-Atmospheric And Space Scientists
1720 .SCI-Chemists And Materials Scientists
1745 .SCI-Environmental Scientists And Specialists, Including .Health
1750 .SCI-Geoscientists And Hydrologists, Except Geographers
1760 .SCI-Physical Scientists, All Other
1800 .SCI-Economists
1821 .SCI-Clinical And Counseling Psychologists
1822 .SCI-School Psychologists
1825 .SCI-Other Psychologists
1840 .SCI-Urban And Regional Planners
1860 .SCI-Other Social Scientists
1900 .SCI-Agricultural And Food Science Technicians
1910 .SCI-Biological Technicians
1920 .SCI-Chemical Technicians
1935 .SCI-Environmental Science and Geoscience Technicians, And .Nuclear Technicians
1970 .SCI-Other Life, Physical, And Social Science Technicians
1980 .SCI-Occupational Health And Safety Specialists and .Technicians
2001 .CMS-Substance Abuse And Behavioral Disorder Counselors
2002 .CMS-Educational, Guidance, And Career Counselors And .Advisors
2003 .CMS-Marriage And Family Therapists
2004 .CMS-Mental Health Counselors
2005 .CMS-Rehabilitation Counselors
2006 .CMS-Counselors, All Other
2011 .CMS-Child, Family, And School Social Workers
2012 .CMS-Healthcare Social Workers
2013 .CMS-Mental Health And Substance Abuse Social Workers
2014 .CMS-Social Workers, All Other
2015 .CMS-Probation Officers And Correctional Treatment .Specialists
2016 .CMS-Social And Human Service Assistants
2025 .CMS-Other Community and Social Service Specialists
2040 .CMS-Clergy
2050 .CMS-Directors, Religious Activities And Education
2060 .CMS-Religious Workers, All Other
2100 .LGL-Lawyers, And Judges, Magistrates, And Other Judicial .Workers
2105 .LGL-Judicial Law Clerks
2145 .LGL-Paralegals And Legal Assistants
Title Examiners, Abstractors, and Searchers
Legal Support Workers, All Other
Postsecondary Teachers
Preschool And Kindergarten Teachers
Elementary And Middle School Teachers
Secondary School Teachers
Special Education Teachers
Tutors
Other Teachers and Instructors
Archivists, Curators, And Museum Technicians
Librarians And Media Collections Specialists
Library Technicians
Teaching Assistants
Other Educational Instruction and Library Workers
Artists And Related Workers
Commercial And Industrial Designers
Fashion Designers
Floral Designers
Graphic Designers
Interior Designers
Merchandise Displayers And Windows Trimmers
Other Designers
Actors
Producers And Directors
Athletes and Sports Competitors
Coaches and Scouts
Umpires, Referees, And Other Sports Officials
Dancers And Choreographers
Music Directors and Composers
Musicians and Singers
Disc Jockeys, Except Radio
Entertainers And Performers, Sports and Related Workers, All Other
Broadcast Announcers And Radio Disc Jockeys
News Analysts, Reporters And Correspondents
Public Relations Specialists
Editors
Technical Writers
Writers And Authors
Interpreters and Translators
Court Reporters and Simultaneous Captioners
Media And Communication Workers, All Other
Other Media And Communication Equipment Workers
Photographers
Television, Video, And Motion Picture Camera Operators
Chiropractors
Dentists
Dietitians And Nutritionists
Optometrists
Pharmacists
Physicians
Surgeons
Podiatrists
Audiologists
Occupational Therapists
3160 .MED-Physical Therapists
3200 .MED-Radiation Therapists
3210 .MED-Recreational Therapists
3220 .MED-Respiratory Therapists
3230 .MED-Speech-Language Pathologists
3245 .MED-Other Therapists
3250 .MED-Veterinarians
3255 .MED-Registered Nurses
3256 .MED-Nurse Anesthetists
3258 .MED-Nurse Practitioners, And Nurse Midwives
3261 .MED-Acupuncturists
3270 .MED-Healthcare Diagnosing Or Treating Practitioners, All
 .Other
3300 .MED-Clinical Laboratory Technologists And Technicians
3310 .MED-Dental Hygienists
3321 .MED-Cardiovascular Technologists and Technicians
3322 .MED-Diagnostic Medical Sonographers
3323 .MED-Radiologic Technologists And Technicians
3324 .MED-Magnetic Resonance Imaging Technologists
3330 .MED-Nuclear Medicine Technologists and Medical Dosimetrists
3401 .MED-Emergency Medical Technicians
3402 .MED-Paramedics
3421 .MED-Pharmacy Technicians
3422 .MED-Psychiatric Technicians
3423 .MED-Surgical Technologists
3424 .MED-Veterinary Technologists and Technicians
3430 .MED-Dietetic Technicians And Ophthalmic Medical Technicians
3500 .MED-Licensed Practical And Licensed Vocational Nurses
3515 .MED-Medical Records Specialists
3520 .MED-Opticians, Dispensing
3545 .MED-Miscellaneous Health Technologists and Technicians
3550 .MED-Other Healthcare Practitioners and Technical
 .Occupations
3601 .HLS-Home Health Aides
3602 .HLS-Personal Care Aides
3603 .HLS-Nursing Assistants
3605 .HLS-Orderlies and Psychiatric Aides
3610 .HLS-Occupational Therapy Assistants And Aides
3620 .HLS-Physical Therapist Assistants And Aides
3630 .HLS-Massage Therapists
3640 .HLS-Dental Assistants
3645 .HLS-Medical Assistants
3646 .HLS-Medical Transcriptionists
3647 .HLS-Pharmacy Aides
3648 .HLS-Veterinary Assistants And Laboratory Animal Caretakers
3649 .HLS-Phlebotomists
3655 .HLS-Other Healthcare Support Workers
3700 .PRT-First-Line Supervisors Of Correctional Officers
3710 .PRT-First-Line Supervisors Of Police And Detectives
3720 .PRT-First-Line Supervisors Of Fire Fighting And Prevention
 .Workers
3725 .PRT-First-Line Supervisors of Security And Protective
 .Service Workers, All Other
3740 .PRT-Firefighters
3750 .PRT-Fire Inspectors
3801 .PRT-Bailiffs
3802 .PRT-Correctional Officers and Jailers

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<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3820</td>
<td>Detectives And Criminal Investigators</td>
</tr>
<tr>
<td>3830</td>
<td>Fish And Game Wardens And Parking Enforcement Officers</td>
</tr>
<tr>
<td>3870</td>
<td>Police Officers</td>
</tr>
<tr>
<td>3900</td>
<td>Private Detectives And Investigators</td>
</tr>
<tr>
<td>3930</td>
<td>Security Guards And Gaming Surveillance Officers</td>
</tr>
<tr>
<td>3940</td>
<td>Crossing Guards And Flaggers</td>
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<tr>
<td>3950</td>
<td>Transportation Security Screeners</td>
</tr>
<tr>
<td>3960</td>
<td>Other Protective Service Workers</td>
</tr>
<tr>
<td>4000</td>
<td>Chefs And Head Cooks</td>
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<tr>
<td>4010</td>
<td>First-Line Supervisors Of Food Preparation And Serving Workers</td>
</tr>
<tr>
<td>4020</td>
<td>Cooks</td>
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<tr>
<td>4030</td>
<td>Food Preparation Workers</td>
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<tr>
<td>4040</td>
<td>Bartenders</td>
</tr>
<tr>
<td>4050</td>
<td>Fast Food And Counter Workers</td>
</tr>
<tr>
<td>4100</td>
<td>Waiters And Waitresses</td>
</tr>
<tr>
<td>4110</td>
<td>Food Servers, Nonrestaurant</td>
</tr>
<tr>
<td>4120</td>
<td>Food Preparation and Serving Related Workers, All Other</td>
</tr>
<tr>
<td>4200</td>
<td>Janitors And Building Cleaners</td>
</tr>
<tr>
<td>4210</td>
<td>Maids And Housekeeping Cleaners</td>
</tr>
<tr>
<td>4220</td>
<td>Pest Control Workers</td>
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<tr>
<td>4230</td>
<td>Landscaping And Groundskeeping Workers</td>
</tr>
<tr>
<td>4240</td>
<td>Tree Trimmers and Pruners</td>
</tr>
<tr>
<td>4250</td>
<td>Other Grounds Maintenance Workers</td>
</tr>
<tr>
<td>4330</td>
<td>Supervisors Of Personal Care And Service Workers</td>
</tr>
<tr>
<td>4340</td>
<td>Animal Trainers</td>
</tr>
<tr>
<td>4350</td>
<td>Animal Caretakers</td>
</tr>
<tr>
<td>4400</td>
<td>Gambling Services Workers</td>
</tr>
<tr>
<td>4420</td>
<td>Ushers, Lobby Attendants, And Ticket Takers</td>
</tr>
<tr>
<td>4430</td>
<td>Other Entertainment Attendants And Related Workers</td>
</tr>
<tr>
<td>4460</td>
<td>Embalmers, Crematory Operators, And Funeral Attendants</td>
</tr>
<tr>
<td>4465</td>
<td>Morticians, Undertakers, And Funeral Arrangers</td>
</tr>
<tr>
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<td>Baggage Porters, Bellhops, And Concierges</td>
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<td>Personal Care and Service Workers, All Other</td>
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<td>First-Line Supervisors Of Retail Sales Workers</td>
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<td>4710</td>
<td>First-Line Supervisors Of Non-Retail Sales Workers</td>
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4720 .SAL-Cashiers
4740 .SAL-Counter And Rental Clerks
4750 .SAL-Parts Salespersons
4760 .SAL-Retail Salespersons
4800 .SAL-Advertising Sales Agents
4810 .SAL-Insurance Sales Agents
4820 .SAL-Securities, Commodities, And Financial Services Sales Agents
4830 .SAL-Travel Agents
4840 .SAL-Sales Representatives Of Services, Except Advertising, Insurance, Financial Services, And Travel
4850 .SAL-Sales Representatives, Wholesale And Manufacturing
4900 .SAL-Models, Demonstrators, And Product Promoters
4920 .SAL-Real Estate Brokers And Sales Agents
4930 .SAL-Sales Engineers
4940 .SAL-Telemarketers
4950 .SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers
4965 .SAL-Sales And Related Workers, All Other
5000 .OFF-First-Line Supervisors Of Office And Administrative Support Workers
5010 .OFF-Switchboard Operators, Including Answering Service Operators
5020 .OFF-Telephone Operators
5040 .OFF-Communications Equipment Operators, All Other
5100 .OFF-Bill And Account Collectors
5110 .OFF-Billing And Posting Clerks
5120 .OFF-Bookkeeping, Accounting, And Auditing Clerks
5140 .OFF-Payroll And Timekeeping Clerks
5150 .OFF-Procurement Clerks
5160 .OFF-Tellers
5165 .OFF-Other Financial Clerks
5220 .OFF-Court, Municipal, And License Clerks
5230 .OFF-Credit Authorizers, Checkers, And Clerks
5240 .OFF-Customer Service Representatives
5250 .OFF-Eligibility Interviewers, Government Programs
5260 .OFF-File Clerks
5300 .OFF-Hotel, Motel, And Resort Desk Clerks
5310 .OFF-Interviewers, Except Eligibility And Loan
5320 .OFF-Library Assistants, Clerical
5330 .OFF-Loan Interviewers And Clerks
5340 .OFF-New Accounts Clerks
5350 .OFF-Correspondence Clerks And Order Clerks
5360 .OFF-Human Resources Assistants, Except Payroll And Timekeeping
5400 .OFF-Receptionists And Information Clerks
5410 .OFF-Reservation And Transportation Ticket Agents And Travel Clerks
5420 .OFF-Other Information And Records Clerks
5500 .OFF-Cargo And Freight Agents
5510 .OFF-Couriers And Messengers
5521 .OFF-Public Safety Telecommunicators
5522 .OFF-Dispatchers, Except Police, Fire, And Ambulance
5530 .OFF-Meter Readers, Utilities
5540 .OFF-Postal Service Clerks
5550 .OFF-Postal Service Mail Carriers
5560 .OFF-Postal Service Mail Sorters, Processors, And Processing Machine Operators

92
FF - Production, Planning, And Expediting Clerks
5610 .OFF - Shipping, Receiving, And Inventory Clerks
5630 .OFF - Weighers, Measurers, Checkers, And Sampplers, Recordkeeping
5710 .OFF - Executive Secretaries And Executive Administrative Assistants
5720 .OFF - Legal Secretaries and Administrative Assistants
5730 .OFF - Medical Secretaries and Administrative Assistants
5740 .OFF - Secretaries And Administrative Assistants, Except Legal, Medical, And Executive
5810 .OFF - Data Entry Keyers
5820 .OFF - Word Processors And Typists
5840 .OFF - Insurance Claims And Policy Processing Clerks
5850 .OFF - Mail Clerks And Mail Machine Operators, Except Postal Service
5860 .OFF - Office Clerks, General
5900 .OFF - Office Machine Operators, Except Computer
5910 .OFF - Proofreaders And Copy Markers
5920 .OFF - Statistical Assistants
5940 .OFF - Other Office And Administrative Support Workers
6005 .FFF - First-Line Supervisors Of Farming, Fishing, And Forestry Workers
6010 .FFF - Agricultural Inspectors
6040 .FFF - Graders And Sorters, Agricultural Products
6050 .FFF - Other Agricultural Workers
6115 .FFF - Fishing And Hunting Workers
6120 .FFF - Forest And Conservation Workers
6130 .FFF - Logging Workers
6200 .CON - First-Line Supervisors Of Construction Trades And Extraction Workers
6210 .CON - Boilermakers
6220 .CON - Brickmasons, Blockmasons, Stonemasons, And Reinforcing Iron And Rebar Workers
6230 .CON - Carpenters
6240 .CON - Carpet, Floor, And Tile Installers And Finishingers
6250 .CON - Cement Masons, Concrete Finishers, And Terrazzo Workers
6260 .CON - Construction Laborers
6305 .CON - Construction Equipment Operators
6330 .CON - Drywall Installers, Ceiling Tile Installers, And Tapers
6355 .CON - Electricians
6360 .CON - Glaziers
6400 .CON - Insulation Workers
6410 .CON - Painters and Paperhangers
6441 .CON - Pipelayers
6442 .CON - Plumbers, Pipefitters, And Steamfitters
6460 .CON - Plasterers And Stucco Masons
6515 .CON - Roofers
6520 .CON - Sheet Metal Workers
6530 .CON - Structural Iron And Steel Workers
6540 .CON - Solar Photovoltaic Installers
6600 .CON - Helpers, Construction Trades
6660 .CON - Construction And Building Inspectors
6700 .CON - Elevator Installers And Repairers
6710 .CON - Fence Erectors
6720 .CON - Hazardous Materials Removal Workers
6730 .CON - Highway Maintenance Workers
6740 .CON - Rail-Track Laying And Maintenance Equipment Operators
### Other Construction And Related Workers
- Derrick, Rotary Drill, And Service Unit Operators, And Roustabouts, Oil, Gas, And Mining
- Explosives Workers, Ordnance Handling Experts, and Blasters
- Underground Mining Machine Operators
- First-Line Supervisors Of Mechanics, Installers, And Repairers
- Radio And Telecommunications Equipment Installers And Repairers
- Security And Fire Alarm Systems Installers
- Industrial And Refractory Machinery Mechanics
- Maintenance And Repair Workers, General
- Locksmiths And Safe Repairers
- Other Construction And Related Workers
- Other Installation, Maintenance, And Repair Workers
- Other Extraction Workers
- Other Electrical And Electronic Equipment Mechanics, Installers, And Repairers.
- Electronic Home Entertainment Equipment Installers And Repairers
- Maintenance Workers, Machinery
- Millwrights
- Electrical Power-Line Installers And Repairers
- Telecommunications Line Installers And Repairers
- Precision Instrument And Equipment Repairers
- Coin, Vending, And Amusement Machine Servicers And Repairers
- Other Construction And Related Workers
- Other Employment Services Workers
- First-Line Supervisors Of Production And Operating Workers
- Other Assemblers And Fabricators
- Bakers
7810 .PRD-Butchers And Other Meat, Poultry, And Fish Processing .Workers
7830 .PRD-Food And Tobacco Roasting, Baking, And Drying Machine .Operators And Tenders
7840 .PRD-Food Batchmakers
7850 .PRD-Food Cooking Machine Operators And Tenders
7855 .PRD-Food Processing Workers, All Other
7905 .PRD-Computer Numerically Controlled Tool Operators And .Programmers
7925 .PRD-Forming Machine Setters, Operators, And Tenders, Metal .And Plastic
7950 .PRD-Cutting, Punching, And Press Machine Setters, .Operators, And Tenders, Metal And Plastic
8000 .PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool
8025 .PRD-Other Machine Tool Setters, Operators, And Tenders, .Metal and Plastic
8030 .PRD-Machinists
8040 .PRD-Metal Furnace Operators, Tenders, Pourers, And Casters
8100 .PRD-Model Makers, Patternmakers, And Molding Machine .Setters, Metal And Plastic
8130 .PRD-Tool And Die Makers
8140 .PRD-Welding, Soldering, And Brazing Workers
8225 .PRD-Other Metal Workers And Plastic Workers
8250 .PRD-Prepress Technicians And Workers
8255 .PRD-Printing Press Operators
8256 .PRD-Print Binding And Finishing Workers
8300 .PRD-Laundry And Dry-Cleaning Workers
8310 .PRD-Pressers, Textile, Garment, And Related Materials
8320 .PRD-Sewing Machine Operators
8335 .PRD-Shoe And Leather Workers
8350 .PRD-Tailors, Dressmakers, And Sewers
8365 .PRD-Textile Machine Setters, Operators, And Tenders
8450 .PRD-Upholsterers
8465 .PRD-Other Textile, Apparel, And Furnishings Workers
8500 .PRD-Cabinetmakers And Bench Carpenters
8510 .PRD-Furniture Finishers
8530 .PRD-Sawing Machine Setters, Operators, And Tenders, Wood .Except Sawing
8555 .PRD-Other Woodworkers
8600 .PRD-Power Plant Operators, Distributors, And Dispatchers
8610 .PRD-Stationary Engineers And Boiler Operators
8620 .PRD-Water And Wastewater Treatment Plant And System .Operators
8630 .PRD-Miscellaneous Plant And System Operators
8640 .PRD-Chemical Processing Machine Setters, Operators, And .Tenders
8650 .PRD-Crushing, Grinding, Polishing, Mixing, And Blending .Workers
8710 .PRD-Cutting Workers
8720 .PRD-Extruding, Forming, Pressing, And Compacting Machine .Setters, Operators, And Tenders
8730 .PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And .Tenders
8740 .PRD-Inspectors, Testers, Sorters, Samplers, And Weighers
8750 .PRD-Jewelers And Precious Stone And Metal Workers
9600 .PRD-Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians
8800 .PRD-Packaging And Filling Machine Operators And Tenders
8810 .PRD-Painting Workers
8830 .PRD-Photographic Process Workers And Processing Machine Operators
8850 .PRD-Adhesive Bonding Machine Operators And Tenders
8910 .PRD-Etchers And Engravers
8920 .PRD-Molders, Shapers, And Casters, Except Metal And Plastic
8930 .PRD-Paper Goods Machine Setters, Operators, And Tenders
8940 .PRD-Tire Builders
8950 .PRD-Helpers-Production Workers
8990 .PRD-Miscellaneous Production Workers, Including Equipment Operators And Tenders
9005 .TRN-Supervisors Of Transportation And Material Moving Workers
9030 .TRN-Aircraft Pilots And Flight Engineers
9040 .TRN-Air Traffic Controllers And Airfield Operations Specialists
9050 .TRN-Flight Attendants
9110 .TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians
9121 .TRN-Bus Drivers, School
9122 .TRN-Bus Drivers, Transit And Intercity
9130 .TRN-Driver/Sales Workers And Truck Drivers
9141 .TRN-Shuttle Drivers And Chauffeurs
9142 .TRN-Taxi Drivers
9150 .TRN-Motor Vehicle Operators, All Other
9210 .TRN-Locomotive Engineers And Operators
9240 .TRN-Railroad Conductors And Yardmasters
9265 .TRN-Other Rail Transportation Workers
9300 .TRN-Sailors And Marine Oilers, And Ship Engineers
9310 .TRN-Ship And Boat Captains And Operators
9350 .TRN-Parking Lot Attendants
9365 .TRN-Transportation Service Attendants
9410 .TRN-Transportation Inspectors
9415 .TRN-Passenger Attendants
9430 .TRN-Other Transportation Workers
9510 .TRN-Crane And Tower Operators
9570 .TRN-Conveyor, Dredge, 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
9645 .TRN-Stockers And Order Fillers
9650 .TRN-Pumping Station Operators
9720 .TRN-Refuse And Recyclable Material Collectors
9760 .TRN-Other Material Moving Workers
9800 .MIL-Military Officer Special And Tactical Operations Leaders
9810 .MIL-First-Line Enlisted Military Supervisors
9825 .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 16 years old)
0 .No earnings
-10000 .Loss of $10000 or more (Rounded & bottom-coded components)
-9999..-1 .Loss $1 to $9999 (Rounded components)
1..1999998 .$1 to $1999998 (Rounded & top-coded components)

PINCP  Numeric  7
Total person's income (signed, use ADJINC to adjust to constant dollars)
bbbbbbbb .N/A (less than 15 years old)
0 .None
-19998 .Loss of $19998 or more (Rounded & bottom-coded components)
-19997..-1 .Loss $1 to $19997 (Rounded components)
1..4209995 .$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
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323 .Bahamas
324 .Barbados
327 .Cuba
328 .Dominica
329 .Dominican Republic
330 .Grenada
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338 .St. Kitts-Nevis
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>447</td>
<td>Sierra Leone</td>
</tr>
<tr>
<td>448</td>
<td>Somalia</td>
</tr>
<tr>
<td>449</td>
<td>South Africa</td>
</tr>
<tr>
<td>451</td>
<td>Sudan</td>
</tr>
<tr>
<td>453</td>
<td>Tanzania</td>
</tr>
<tr>
<td>454</td>
<td>Togo</td>
</tr>
<tr>
<td>456</td>
<td>Tunisia</td>
</tr>
<tr>
<td>457</td>
<td>Uganda</td>
</tr>
<tr>
<td>459</td>
<td>Democratic Republic of Congo (Zaire)</td>
</tr>
<tr>
<td>460</td>
<td>Zambia</td>
</tr>
<tr>
<td>461</td>
<td>Zimbabwe</td>
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<tr>
<td>462</td>
<td>Africa</td>
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<tr>
<td>463</td>
<td>South Sudan</td>
</tr>
<tr>
<td>464</td>
<td>Northern Africa, Not Specified</td>
</tr>
<tr>
<td>467</td>
<td>Western Africa, Not Specified</td>
</tr>
<tr>
<td>468</td>
<td>Other Africa, Not Specified</td>
</tr>
<tr>
<td>469</td>
<td>Eastern Africa, Not Specified</td>
</tr>
<tr>
<td>501</td>
<td>Australia</td>
</tr>
<tr>
<td>508</td>
<td>Fiji</td>
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<tr>
<td>511</td>
<td>Marshall Islands</td>
</tr>
<tr>
<td>512</td>
<td>Micronesia</td>
</tr>
<tr>
<td>515</td>
<td>New Zealand</td>
</tr>
<tr>
<td>523</td>
<td>Tonga</td>
</tr>
<tr>
<td>527</td>
<td>Samoa</td>
</tr>
<tr>
<td>554</td>
<td>Other US Island Areas, Oceania, Not Specified, or at Sea</td>
</tr>
</tbody>
</table>

**POVPIP**

**Numeric** 3

Income-to-poverty ratio recode

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>bbb</td>
<td>.N/A</td>
</tr>
<tr>
<td>0..500</td>
<td>Below 501 percent</td>
</tr>
<tr>
<td>501</td>
<td>.501 percent or more</td>
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</table>

**POWPUMA**

**Character** 5

Place of work PUMA based on 2010 Census definition

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>bbbbb</td>
<td>.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)</td>
</tr>
<tr>
<td>00001</td>
<td>Did not work in the United States or in Puerto Rico</td>
</tr>
<tr>
<td>00100..70100</td>
<td>Assigned Place of work PUMA. Use with POWSP.</td>
</tr>
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**POWSP**

**Character** 3

Place of work - State or foreign country recode

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

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

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

**QTRBIR**

**Character 1**

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

**RAC1P**

**Character 1**

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

**RAC2P**

**Character 2**

Recoded detailed race code
01. White alone
02. Black or African American alone
03. Apache alone
04. Blackfeet alone
05. Cherokee alone
06. Cheyenne alone
07. Chickasaw alone
08. Chippewa alone
09. Choctaw alone
10. Comanche alone
11. Creek alone
12. Crow alone
13. Hopi alone
14. Iroquois alone
15. Lumbee alone
16. Mexican American Indian alone
17. Navajo alone
18. Pima alone
19. Potawatomi alone
20. Pueblo alone
21. Puget Sound Salish alone
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 Athabaskan alone
31. Tlingit-Haida alone
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<th>RAC3P</th>
<th>Character 3</th>
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<tr>
<td></td>
<td>002. Black or African American alone</td>
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<tr>
<td></td>
<td>003. American Indian and Alaska Native alone</td>
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<tr>
<td></td>
<td>004. Asian Indian alone</td>
</tr>
<tr>
<td></td>
<td>005. Chinese alone</td>
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<tr>
<td></td>
<td>006. Filipino alone</td>
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<tr>
<td></td>
<td>007. Japanese alone</td>
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<td></td>
<td>008. Korean alone</td>
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<tr>
<td></td>
<td>009. Vietnamese alone</td>
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<td></td>
<td>010. Other Asian alone</td>
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<tr>
<td></td>
<td>011. Native Hawaiian alone</td>
</tr>
<tr>
<td></td>
<td>012. Guamanian or Chamorro alone</td>
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<tr>
<td></td>
<td>013. Samoan alone</td>
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<td></td>
<td>014. Other Pacific Islander alone</td>
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<tr>
<td></td>
<td>015. Some Other Race alone</td>
</tr>
<tr>
<td></td>
<td>016. White; Black or African American</td>
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<tr>
<td></td>
<td>017. White; American Indian and Alaska Native</td>
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<table>
<thead>
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<td>011</td>
<td>Native Hawaiian alone</td>
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<tr>
<td>012</td>
<td>Guamanian or Chamorro alone</td>
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<td>Samoan alone</td>
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<td>Other Pacific Islander alone</td>
</tr>
<tr>
<td>015</td>
<td>Some Other Race alone</td>
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<tr>
<td>016</td>
<td>White; Black or African American</td>
</tr>
<tr>
<td>017</td>
<td>White; American Indian and Alaska Native</td>
</tr>
</tbody>
</table>
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; and/or Some Other Race
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 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

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

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

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

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

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

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

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

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

RC Character 1
Related child
b .N/A (in GQ)
0 .No
1 .Yes
### SCIENGP Character 1
Field of Degree Science and Engineering Flag - NSF Definition
- N/A (less than bachelor's degree)
  - Yes
  - No

### SCIENGRLP Character 1
Field of Degree Science and Engineering Related Flag - NSF Definition
- N/A (less than bachelor's degree)
  - Yes
  - No

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

### SFR Character 1
Subfamily relationship
- N/A (GQ/not in a subfamily)
  - Husband/wife no children
  - Husband/wife with children
  - Parent in a one-parent subfamily
  - Child in a married-couple subfamily
  - Child in a mother-child subfamily
  - Child in a father-child subfamily

### SOCP Character 6
Standard Occupational Classification (SOC) codes for 2018 and later based on 2018 SOC codes
- N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
  - MGR-Chief Executives And Legislators
  - MGR-General And Operations Managers
  - MGR-Advertising And Promotions Managers
  - MGR-Marketing Managers
  - MGR-Sales Managers
  - MGR-Public Relations And Fundraising Managers
  - MGR-Administrative Services Managers
  - MGR-Facilities Managers
  - MGR-Computer And Information Systems Managers
  - MGR-Financial Managers
  - MGR-Compensation And Benefits Managers
  - MGR-Human Resources Managers
  - MGR-Training And Development Managers
  - MGR-Industrial Production Managers
  - MGR-Purchasing Managers
  - MGR-Transportation, Storage, And Distribution Managers
  - MGR-Farmers, Ranchers, And Other Agricultural Managers
  - MGR-Construction Managers
  - MGR-Education And Childcare Administrators
  - MGR-Architectural And Engineering Managers
  - MGR-Food Service Managers
<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
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<tbody>
<tr>
<td>119070</td>
<td>Entertainment And Recreation Managers</td>
</tr>
<tr>
<td>119081</td>
<td>Lodging Managers</td>
</tr>
<tr>
<td>119111</td>
<td>Medical And Health Services Managers</td>
</tr>
<tr>
<td>119121</td>
<td>Natural Sciences Managers</td>
</tr>
<tr>
<td>119141</td>
<td>Property, Real Estate, And Community Association Managers</td>
</tr>
<tr>
<td>119151</td>
<td>Social And Community Service Managers</td>
</tr>
<tr>
<td>119161</td>
<td>Emergency Management Directors</td>
</tr>
<tr>
<td>1191XX</td>
<td>Other Managers</td>
</tr>
<tr>
<td>131011</td>
<td>Agents And Business Managers Of Artists, Performers, And Athletes</td>
</tr>
<tr>
<td>131021</td>
<td>Buyers And Purchasing Agents, Farm Products</td>
</tr>
<tr>
<td>131022</td>
<td>Wholesale And Retail Buyers, Except Farm Products</td>
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<tr>
<td>131023</td>
<td>Purchasing Agents, Except Wholesale, Retail, And Farm Products</td>
</tr>
<tr>
<td>131030</td>
<td>Claims Adjusters, Appraisers, Examiners, And Investigators</td>
</tr>
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<td>131041</td>
<td>Compliance Officers</td>
</tr>
<tr>
<td>131051</td>
<td>Cost Estimators</td>
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<tr>
<td>131070</td>
<td>Human Resources Workers</td>
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<tr>
<td>131081</td>
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<td>131082</td>
<td>Project Management Specialists</td>
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<tr>
<td>131111</td>
<td>Management Analysts</td>
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<td>131121</td>
<td>Meeting Convention, And Event Planners</td>
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<td>131131</td>
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<td>131141</td>
<td>Compensation, Benefits, And Job Analysis Specialists</td>
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<td>131151</td>
<td>Training And Development Specialists</td>
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<td>131161</td>
<td>Market Research Analysts And Marketing Specialists</td>
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<td>131199</td>
<td>Business Operations Specialists, All Other</td>
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<td>132011</td>
<td>Accountants And Auditors</td>
</tr>
<tr>
<td>132020</td>
<td>Property Appraisers And Assessors</td>
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<td>132031</td>
<td>Budget Analysts</td>
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<td>132041</td>
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<td>Personal Financial Advisors</td>
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<td>Insurance Underwriters</td>
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<td>Financial Examiners</td>
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<td>Credit Counselors And Loan Officers</td>
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<td>Tax Examiners And Collectors, And Revenue Agents</td>
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<td>Other Financial Specialists</td>
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<td>151221</td>
<td>Computer And Information Research Scientists</td>
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<td>151211</td>
<td>Computer Systems Analysts</td>
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<td>Computer Support Specialists</td>
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<td>15124X</td>
<td>Database Administrators And Architects</td>
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<td>151244</td>
<td>Network And Computer Systems Administrators</td>
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<td>Computer Network Architects</td>
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<td>151299</td>
<td>Computer Occupations, All Other</td>
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<tr>
<td>152011</td>
<td>Actuaries</td>
</tr>
<tr>
<td>152031</td>
<td>Operations Research Analysts</td>
</tr>
<tr>
<td>1520XX</td>
<td>Other Mathematical Science Occupations</td>
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</tbody>
</table>
ARCHITECTS, EXCEPT LANDSCAPE AND NAVAL

ARCHITECTS, EXCEPT LANDSCAPE AND NAVAL

SURVEYORS, CARTOGRAPHERS, AND PHOTOMETERISTS

AEREOSE ENGINEERS

BIOMEDICAL AND AGRICULTURAL ENGINEERS

CHEMICAL ENGINEERS

CIVIL ENGINEERS

COMPUTER HARDWARE ENGINEERS

ELECTRICAL AND ELECTRONICS ENGINEERS

ENVIRONMENTAL ENGINEERS

ENGINEERS, INCLUDING HEALTH AND SAFETY

ENGINEERS AND NAVAL ARCHITECTS

MATERIALS ENGINEERS

MECHANICAL ENGINEERS

PETROLEUM, MINING AND GEOLOGICAL ENGINEERS, INCLUDING MINING SAFETY ENGINEERS

OTHER ENGINEERS

ARCHITECTURAL AND CIVIL DRAFTERS

OTHER DRAFTERS

ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICALS

OTHER ENGINEERING TECHNICALS, EXCEPT DRAFTERS

SURVEYING AND MAPPING TECHNICALS

AGRICULTURAL AND FOOD SCIENTISTS

BIOLOGICAL SCIENTISTS

CONSERVATION SCIENTISTS AND FORESTERS

MEDICAL SCIENTISTS, AND LIFE SCIENTISTS, ALL OTHER

ASTRONOMERS AND PHYSICISTS

ATMOSPHERIC AND SPACE SCIENTISTS

CHEMISTS AND MATERIALS SCIENTISTS

ENVIRONMENTAL SCIENTISTS AND SPECIALISTS, INCLUDING HEALTH

GEOLOGISTS, EXCEPT GEOGRAPHERS

PHYSICAL SCIENTISTS, ALL OTHER

ECONOMISTS

CLINICAL AND COUNSELING PSYCHOLOGISTS

SCHOOL PSYCHOLOGISTS

OTHER PSYCHOLOGISTS

URBAN AND REGIONAL PLANNERS

OTHER SOCIAL SCIENTISTS

AGRICULTURAL AND FOOD SCIENCE TECHNICALS

PHYSICAL SCIENTISTS, ALL OTHER

NURSES

OTHER PSYCHOLOGISTS

ENVIRONMENTAL SCIENCE AND GEOSCIENCE TECHNICALS, AND NUCLEAR TECHNICALS

OTHER LIFE, PHYSICAL, AND SOCIAL SCIENCE TECHNICALS

OCCUPATIONAL HEALTH AND SAFETY SPECIALISTS AND TECHNICALS

SUBSTANCE ABUSE AND BEHAVIORAL DISORDER COUNSELORS

EDUCATIONAL, GUIDANCE, AND CAREER COUNSELORS AND ADVISORS

MARRIAGE AND FAMILY THERAPISTS

MENTAL HEALTH COUNSELORS

REHABILITATION COUNSELORS

COUNSELORS, ALL OTHER

CHILD, FAMILY, AND SCHOOL SOCIAL WORKERS
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<tr>
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<tr>
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<td>433071</td>
<td>.OFF-Tellers</td>
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<td>4330XX</td>
<td>.OFF-Other Financial Clerks</td>
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<td>434031</td>
<td>.OFF-Court, Municipal, And License Clerks</td>
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<td>434041</td>
<td>.OFF-Credit Authorizers, Checkers, And Clerks</td>
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<tr>
<td>434051</td>
<td>.OFF-Customer Service Representatives</td>
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<td>434061</td>
<td>.OFF-Eligibility Interviewers, Government Programs</td>
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<td>434071</td>
<td>.OFF-File Clerks</td>
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<tr>
<td>434081</td>
<td>.OFF-Hotel, Motel, And Resort Desk Clerks</td>
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<td>434131</td>
<td>.OFF-Loan Interviewers And Clerks</td>
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<td>434141</td>
<td>.OFF-New Accounts Clerks</td>
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<td>.OFF-Correspondence Clerks And Order Clerks</td>
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<td>.OFF-Human Resources Assistants, Except Payroll And .Timekeeping</td>
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<td>.OFF-Receptionists And Information Clerks</td>
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<td>.OFF-Other Information And Records Clerks</td>
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<td>.OFF-Postal Service Mail Carriers</td>
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<td>.OFF-Postal Service Mail Sorters, Processors, And .Processing Machine Operators</td>
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<td>.OFF-Word Processors And Typists</td>
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<td>.OFF-Insurance Claims And Policy Processing Clerks</td>
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<td>439051</td>
<td>.OFF-Mail Clerks And Mail Machine Operators, Except Postal .Service</td>
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<td>439071</td>
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<td>439081</td>
<td>.OFF-Proofreaders And Copy Markers</td>
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<td>.OFF-Other Office And Administrative Support Workers</td>
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<td>451011</td>
<td>.FFF-First-Line Supervisors Of Farming, Fishing, And .Forestry Workers</td>
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<td>471011</td>
<td>.CON-First-Line Supervisors Of Construction Trades And .Extraction Workers</td>
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<td>.CON-Boilermakers</td>
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<td>472031</td>
<td>.CON-Carpenters</td>
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<td>472040</td>
<td>.CON-Carpet, Floor, And Tile Installers And Finishers</td>
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<td>.CON-Cement Masons, Concrete Finishers, And Terrazzo .Workers</td>
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<td>.CON-Construction Laborers</td>
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<td>.CON-Construction Equipment Operators</td>
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472080 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers
472111 .CON-Electricians
472121 .CON-Glaziers
472130 .CON-Insulation Workers
472140 .CON-Painters And Paperhangers
472151 .CON-Pipelayers
472152 .CON-Plumbers, Pipefitters, And Steamfitters
472161 .CON-Plasterers And Stucco Masons
472181 .CON-Roofers
472211 .CON-Sheet Metal Workers
472221 .CON-Structural Iron And Steel Workers
472231 .CON-Solar Photovoltaic Installers
472XXX .CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing Iron And Rebar Workers
473010 .CON-Helpers, Construction Trades
474011 .CON-Construction And Building Inspectors
474021 .CON-Elevator Installers And Repairers
474031 .CON-Fence Erectors
474041 .CON-Hazardous Materials Removal Workers
474051 .CON-Highway Maintenance Workers
474061 .CON-Rail-Track Laying And Maintenance Equipment Operators
4740XX .CON-Other Construction And Related Workers
4750YY .EXT-Derrick, Rotary Drill, And Service Unit Operators, And Roustabouts, Oil, Gas, And Mining
475020 .EXT-Surface Mining Machine Operators And Earth Drillers
475032 .EXT-Explosives Workers, Ordnance Handling Experts, And Blasters
475040 .EXT-Underground Mining Machine Operators
4750XX .EXT-Other Extraction Workers
491011 .RPR-First-Line Supervisors Of Mechanics, Installers, And Repairers
492011 .RPR-Computer, Automated Teller, And Office Machine Repairers
492020 .RPR-Radio And Telecommunications Equipment Installers And Repairers
492091 .RPR-Avionics Technicians
492092 .RPR-Electric Motor, Power Tool, And Related Repairers
49209X .RPR-Other Electrical And Electronic Equipment Mechanics, Installers, and Repairers
492097 .RPR-Electronic Home Entertainment Equipment Installers And Repairers
492098 .RPR-Security And Fire Alarm Systems Installers
493011 .RPR-Aircraft Mechanics And Service Technicians
493021 .RPR-Automotive Body And Related Repairers
493022 .RPR-Automotive Glass Installers And Repairers
493023 .RPR-Automotive Service Technicians And Mechanics
493031 .RPR-Bus And Truck Mechanics And Diesel Engine Specialists
493040 .RPR-Heavy Vehicle And Mobile Equipment Service Technicians And Mechanics
493050 .RPR-Small Engine Mechanics
493090 .RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics, Installers, And Repairers
499010 .RPR-Control And Valve Installers And Repairers
499021 .RPR-Heating, Air Conditioning, And Refrigeration Mechanics And Installers
499031 .RPR-Home Appliance Repairers
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<tr>
<td>49904X</td>
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<td>RPR-Maintenance Workers, Machinery</td>
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<td>499044</td>
<td>RPR-Millwrights</td>
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<td>499051</td>
<td>RPR-Electrical Power-Line Installers And Repairers</td>
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<td>499052</td>
<td>RPR-Telecommunications Line Installers And Repairers</td>
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<tr>
<td>499060</td>
<td>RPR-Precision Instrument And Equipment Repairers</td>
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<td>499071</td>
<td>RPR-Maintenance And Repair Workers, General</td>
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<td>499091</td>
<td>RPR-Coin, Vending, And Amusement Machine Servicers And Repairers</td>
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<td>499094</td>
<td>RPR-Locksmiths And Safe Repairers</td>
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<td>RPR-Riggers</td>
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<td>499098</td>
<td>RPR-Helpers--Installation, Maintenance, And Repair Workers</td>
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<td>RPR-Other Installation, Maintenance, And Repair Workers</td>
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<td>PRD-First-Line Supervisors Of Production And Operating Workers</td>
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<td>PRD-Electrical, Electronics, And Electromechanical Assemblers</td>
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<td>PRD-Engine And Other Machine Assemblers</td>
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<td>512041</td>
<td>PRD-Structural Metal Fabricators And Fitters</td>
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<td>PRD-Other Assemblers and Fabricators</td>
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<td>PRD-Bakers</td>
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<td>513020</td>
<td>PRD-Butchers And Other Meat, Poultry, And Fish Processing Workers</td>
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<td>PRD-Food And Tobacco Roasting, Baking, And Drying Machine Operators And Tenders</td>
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<td>PRD-Food Batchmakers</td>
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<td>513093</td>
<td>PRD-Food Cooking Machine Operators And Tenders</td>
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<td>513099</td>
<td>PRD-Food Processing Workers, All Other</td>
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<tr>
<td>519160</td>
<td>PRD-Computer Numerically Controlled Tool Operators And Programmers</td>
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<td>514020</td>
<td>PRD-Forming Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>514031</td>
<td>PRD-Cutting, Punching, And Press Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>514033</td>
<td>PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>51403X</td>
<td>PRD-Other Machine Tool Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>PRD-Machinists</td>
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<td>PRD-Model Makers, Patternmakers, And Molding Machine Setters, Metal And Plastic</td>
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<td>PRD-Tool And Die Makers</td>
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<td>PRD-Welding, Soldering, And Brazing Workers</td>
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<td>PRD-Other Metal Workers And Plastic Workers</td>
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<td>PRD-Prepress Technicians And Workers</td>
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<td>PRD-Printing Press Operators</td>
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<td>PRD-Print Binding And Finishing Workers</td>
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<td>PRD-Laundry And Dry-Cleaning Workers</td>
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<td>PRD-Pressers, Textile, Garment, And Related Materials</td>
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<td>PRD-Sewing Machine Operators</td>
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<td>PRD-Shoe And Leather Workers</td>
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<td>PRD-Tailors, Dressmakers, And Sewers</td>
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<td>516060</td>
<td>PRD-Textile Machine Setters, Operators, And Tenders</td>
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<td>516093</td>
<td>PRD-Upholsterers</td>
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51609X .PRD-Other Textile, Apparel, And Furnishings Workers
517011 .PRD-Cabinetmakers And Bench Carpenters
517021 .PRD-Furniture Finishers
517041 .PRD-Sawing Machine Setters, Operators, And Tenders, Wood
517042 .PRD-Woodworking Machine Setters, Operators, And Tenders, Except Sawing
5170XX .PRD-Other Woodworkers
518010 .PRD-Power Plant Operators, Distributors, And Dispatchers
518021 .PRD-Stationary Engineers And Boiler Operators
518031 .PRD-Water And Wastewater Treatment Plant And System Operators
518090 .PRD-Miscellaneous Plant And System Operators
519010 .PRD-Chemical Processing Machine Setters, Operators, And Tenders
519020 .PRD-Crushing, Grinding, Polishing, Mixing, And Blending Workers
519030 .PRD-Cutting Workers
519041 .PRD-Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders
519051 .PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders
519061 .PRD-Inspectors, Testers, Sorters, Samplers, And Weighers
519071 .PRD-Jewelers And Precious Stone And Metal Workers
519080 .Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians
519111 .PRD-Packaging And Filling Machine Operators And Tenders
519120 .PRD-Painting Workers
519151 .PRD-Photographic Process Workers And Processing Machine Operators
519191 .PRD-Adhesive Bonding Machine Operators And Tenders
519194 .PRD-Etchers And Engravers
519195 .PRD-Molders, Shapers, And Casters, Except Metal And Plastic
519196 .PRD-Paper Goods Machine Setters, Operators, And Tenders
519197 .PRD-Tire Builders
519198 .PRD-Helpers—Production Workers
5191XX .PRD-Miscellaneous Production Workers, Including Equipment Operators And Tenders
531000 .TRN-Supervisors Of Transportation And Material Moving Workers
532010 .TRN-Aircraft Pilots And Flight Engineers
532020 .TRN-Air Traffic Controllers And Airfield Operations Specialists
532031 .TRN-Flight Attendants
533011 .TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians
533051 .TRN-Bus Drivers, School
533052 .TRN-Bus Drivers, Transit And Intercity
533030 .TRN-Driver/Sales Workers And Truck Drivers
533053 .TRN-Shuttle Drivers and Chauffeurs
533054 .TRN-Taxi Drivers
533099 .TRN-Motor Vehicle Operators, All Other
534010 .TRN-Locomotive Engineers And Operators
534031 .TRN-Railroad Conductors And Yardmasters
5340XX .TRN-Other Rail Transportation Workers
5350XX .TRN-Sailors And Marine Oilers, And Ship Engineers
535020 .TRN-Ship And Boat Captains And Operators

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536021 .TRN-Parking Lot Attendants
536030 .TRN-Transportation Service Attendants
536051 .TRN-Transportation Inspectors
536061 .TRN-Passenger Attendants
5360XX .TRN-Other Transportation Workers
537021 .TRN-Crane And Tower Operators
5370XX .TRN-Conveyor, Dredge, And Hoist And Winch Operators
537051 .TRN-Industrial Truck And Tractor Operators
537061 .TRN-Cleaners Of Vehicles And Equipment
537062 .TRN-Laborers And Freight, Stock, And Material Movers, .Hand
537063 .TRN-Machine Feeders And Offbearers
537064 .TRN-Packers And Packagers, Hand
537065 .TRN-Stockers And Order Fillers
537070 .TRN-Pumping Station Operators
537081 .TRN-Refuse And Recyclable Material Collectors
5371XX .TRN-Other Material Moving Workers
551010 .MIL-Military Officer Special And Tactical Operations .Leaders
552010 .MIL-First-Line Enlisted Military Supervisors
553010 .MIL-Military Enlisted Tactical Operations And Air/Weapons .Specialists And Crew Members
559830 .MIL-Military, Rank Not Specified
999920 .Unemployed 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)
- 01 .Gulf War: 9/2001 or later
- 06 .Vietnam Era
- 07 .Vietnam Era and Korean War
- 08 .Vietnam Era, Korean War, and WWII
- 09 .Korean War
- 10 .Korean War and WWII
- 11 .WWII
- 12 .Between Gulf War and Vietnam Era only
- 13 .Between Vietnam Era and Korean War only
- 14 .Between Korean War and World War II only
- 15 .Pre-WWII only

**WAOB**

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

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<th>Allocation Flag</th>
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Disability rating percentage allocation flag  
0 .No  
1 .Yes  

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FHINS6P  Character  1
VA (including those who have ever used or enrolled for VA health care) allocation flag
  0  .No
  1  .Yes

FHINS7P  Character  1
Indian health service allocation flag
  0  .No
  1  .Yes
FHISP  Character  1
Detailed Hispanic origin allocation flag
0  .No
1  .Yes

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

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

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

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

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

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

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

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

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

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

FMARHTP  Character 1
Times married allocation flag
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1  .Yes

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

FMARHYP  Character 1
Year last married allocation flag
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1  .Yes

FMIGP  Character 1
Mobility status allocation flag
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FMIGSP  Character 1
Migration state allocation flag
0  .No
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FMILPP  Character 1
Military periods of service allocation flag
0  .No
1  .Yes

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

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

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

FPAP  Character 1
Public assistance income allocation flag
0  .No
1  .Yes
FPERNP  Character  1
Total person's earnings allocation flag
0  .No
1  .Yes

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

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

FPOWSP  Character  1
Place of work state allocation flag
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FPRIVCOVP  Character  1
Private health insurance coverage recode allocation flag
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1  .Yes

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

FRACP  Character  1
Detailed race allocation flag
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1  .Yes

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

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

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

FSCHLP  Character  1
Highest education allocation flag
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1  .Yes
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<td>FSEX</td>
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<td>FSSIP</td>
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<td>FWAGP</td>
<td>Wages and salary income allocation flag</td>
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### PERSON RECORD—REPLICATE WEIGHTS

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-9999..9999 .Integer weight of person

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

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

PWGTP17  Numeric  5  
Person's Weight replicate 17
-9999..9999 .Integer weight of person

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

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

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

PWGTP21  Numeric  5  
Person's Weight replicate 21
-9999..9999 .Integer weight of person

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

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

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

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

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

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

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

PWGTP29 Numeric 5
Person's Weight replicate 29
-9999..9999 .Integer weight of person

PWGTP30 Numeric 5
Person's Weight replicate 30
-9999..9999 .Integer weight of person

PWGTP31 Numeric 5
Person's Weight replicate 31
-9999..9999 .Integer weight of person

PWGTP32 Numeric 5
Person's Weight replicate 32
-9999..9999 .Integer weight of person

PWGTP33 Numeric 5
Person's Weight replicate 33
-9999..9999 .Integer weight of person

PWGTP34 Numeric 5
Person's Weight replicate 34
-9999..9999 .Integer weight of person

PWGTP35 Numeric 5
Person's Weight replicate 35
-9999..9999 .Integer weight of person

PWGTP36 Numeric 5
Person's Weight replicate 36
-9999..9999 .Integer weight of person

PWGTP37 Numeric 5
Person's Weight replicate 37
-9999..9999 .Integer weight of person

PWGTP38 Numeric 5
Person's Weight replicate 38
-9999..9999 .Integer weight of person

PWGTP39 Numeric 5
Person's Weight replicate 39
-9999..9999 .Integer weight of person

PWGTP40 Numeric 5
Person's Weight replicate 40
-9999..9999 .Integer weight of person

PWGTP41 Numeric 5
Person's Weight replicate 41
-9999..9999 .Integer weight of person

PWGTP42 Numeric 5
Person's Weight replicate 42
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PWGTP57 Numeric 5
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PWGTP58 Numeric 5
Person's Weight replicate 58
-9999..9999 .Integer weight of person

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

PWGTP60 Numeric 5
Person's Weight replicate 60
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PWGTP61 Numeric 5
Person's Weight replicate 61
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PWGTP62 Numeric 5
Person's Weight replicate 62
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PWGTP63 Numeric 5
Person's Weight replicate 63
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PWGTP64 Numeric 5
Person's Weight replicate 64
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PWGTP65 Numeric 5
Person's Weight replicate 65
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PWGTP66 Numeric 5
Person's Weight replicate 66
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PWGTP67 Numeric 5
Person's Weight replicate 67
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PWGTP68 Numeric 5
Person's Weight replicate 68
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PWGTP69 Numeric 5
Person's Weight replicate 69
-9999..9999 .Integer weight of person

PWGTP70 Numeric 5
Person's Weight replicate 70
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Person's Weight replicate 71 
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PWGTP79  Numeric  5  
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