HOUSING RECORD

HOUSING RECORD—BASIC VARIABLES

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

SERIALNO  Character  13
Housing unit/GQ person serial number
2018GQ0000001..2018GQ999999 .GQ Unique identifier (after 2017)
2018HU00000001..2018HU999999 .HU Unique identifier (after 2017)

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
ADJHSG Character 7
Adjustment factor for housing dollar amounts (6 implied decimal places)
1061728 .2014 factor
1059903 .2015 factor
1046406 .2016 factor
1024377 .2017 factor
1000000 .2018 factor
ADJINC Character 7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)
1070673 .2014 factor (1.008425 * 1.06172840)
1061242 .2015 factor (1.001264 * 1.05990255)
1054346 .2016 factor (1.007588 * 1.04640634)
1035838 .2017 factor (1.011189 * 1.02437673)
1013097 .2018 factor (1.013097 * 1.00000000)

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

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

TYPE 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  
1 .Yes  
2 .No

**BDSP** Numeric 2  
Number of bedrooms  
0..99 .0 to 99 bedrooms (Top-coded)

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

**BUS** Character 1  
Business or medical office on property  
1 .Yes  
2 .No  
9 .Case is from 2016 or later

**BROADBND** Character 1  
Cellular data plan for a smartphone or other mobile device  
1 .Yes  
2 .No

**COMPOTHX** Character 1  
Other computer equipment  
1 .Yes  
2 .No

**CONP** Numeric 4  
Condo fee (monthly amount, use ADJHSG to adjust CONP to constant dollars)  
0..9999 .0 - $9999 (Rounded and top-coded)

**DIALUP** Character 1  
Dial-up service  
1 .Yes
<table>
<thead>
<tr>
<th>Variable</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEFP</td>
<td>Character</td>
<td>Electricity cost flag variable&lt;br&gt;1 Included in rent or in condo fee&lt;br&gt;2 No charge or electricity not used&lt;br&gt;3 Valid monthly electricity cost in ELEP</td>
</tr>
<tr>
<td>ELEP</td>
<td>Numeric</td>
<td>Electricity cost (monthly cost, use ADJHSG to adjust ELEP to constant dollars)&lt;br&gt;1 Included in rent or in condo fee&lt;br&gt;2 No charge or electricity not used&lt;br&gt;3 Valid monthly electricity cost in ELEP</td>
</tr>
<tr>
<td>FS</td>
<td>Character</td>
<td>Yearly food stamp/Supplemental Nutrition Assistance Program (SNAP) recipiency&lt;br&gt;1 Yes&lt;br&gt;2 No</td>
</tr>
<tr>
<td>FULFP</td>
<td>Character</td>
<td>Fuel cost flag variable&lt;br&gt;1 Included in rent or in condo fee&lt;br&gt;2 No charge or fuel other than gas or electricity not used&lt;br&gt;3 Valid annual fuel cost in FULP</td>
</tr>
<tr>
<td>FULP</td>
<td>Numeric</td>
<td>Fuel cost (yearly cost for fuels other than gas and electricity, use ADJHSG to adjust FULP to constant dollars)&lt;br&gt;1 Included in rent or in condo fee&lt;br&gt;2 No charge or fuel other than gas or electricity not used&lt;br&gt;3 Valid annual fuel cost in FULP</td>
</tr>
<tr>
<td>GASFP</td>
<td>Character</td>
<td>Gas cost flag variable&lt;br&gt;1 Included in rent or in condo fee&lt;br&gt;2 Included in electricity payment&lt;br&gt;3 No charge or gas not used&lt;br&gt;4 Valid monthly gas cost in GASP</td>
</tr>
<tr>
<td>GASP</td>
<td>Numeric</td>
<td>Gas cost (monthly cost, use ADJHSG to adjust GASP to constant dollars)&lt;br&gt;1 Included in rent or in condo fee&lt;br&gt;2 Included in electricity payment&lt;br&gt;3 No charge or gas not used&lt;br&gt;4 Valid monthly gas cost in GASP</td>
</tr>
<tr>
<td>HFL</td>
<td>Numeric</td>
<td>House heating fuel&lt;br&gt;1 Utility gas</td>
</tr>
</tbody>
</table>
2. Bottled, tank, or LP gas
3. Electricity
4. Fuel oil, kerosene, etc.
5. Coal or coke
6. Wood
7. Solar energy
8. Other fuel
9. No fuel used

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

**HOTWAT** **Character 1**
Water heater (Puerto Rico only)
b. N/A (GQ)
1. Yes
2. No
9. Case is from the United States or collected in 2013, HOTWAT not applicable

**INSPI** **Numeric 5**
Fire/hazard/flood insurance (yearly amount, use ADJHSG to adjust INSPI to constant dollars)
bbbbb . N/A (GQ/vacant/not owned or being bought)
0 . None
1. 10000 . $1 to $10000 (Rounded and top-coded)

**LAPTOP** **Character 1**
Laptop or desktop
b. N/A (GQ/vacant)
1. Yes
2. No

**MHP** **Numeric 5**
Mobile home costs (yearly amount, use ADJHSG to adjust MHP to constant dollars)
bbbbb . N/A (GQ/vacant/not owned or being bought)
0 . None
1. 99999 . $1 to $99999 (Rounded and top-coded)

**MRGI** **Character 1**
First mortgage payment includes fire/hazard/flood insurance
b . N/A (GQ/vacant/not owned or being bought/not mortgaged)
1. Yes, insurance included in payment
2. No, insurance paid separately or no insurance

**MRGP** **Numeric 5**
First mortgage payment (monthly amount, use ADJHSG to adjust MRGP to constant dollars)
bbbbb . N/A (GQ/vacant/not owned or being bought/not mortgaged)
1..99999  .$1 to $99999 (Rounded and top-coded)

**MRGT**  
**Character 1**  
First mortgage payment includes real estate taxes  
- b .N/A (GQ/vacant/not owned or being bought/not mortgaged)  
- 1 .Yes, taxes included in payment  
- 2 .No, taxes paid separately or taxes not required

**MRGX**  
**Character 1**  
First mortgage status  
- b .N/A (GQ/vacant/not owned or being bought)  
- 1 .Mortgage, deed of trust, or similar debt  
- 2 .Contract to purchase  
- 3 .None

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

**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)
b. N/A (GQ/vacant/not owned or being bought/ no second or junior mortgages or home equity loans)
1..99999 . $1 to $99999 (Rounded and top-coded)

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

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

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

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

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

VACS

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

VALP

Numeric 7
Property value
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
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
7 .Other family: Female householder, no husband present, in LF
8 .Other family: Female householder, no husband present, not in LF

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

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

GRNTP  Numeric  5
Gross rent (monthly amount, use ADJHSG to adjust GRNTP to constant dollars)
<table>
<thead>
<tr>
<th>Variable</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRPIP</td>
<td>Numeric 3</td>
<td>Gross rent as a percentage of household income past 12 months. Components are rounded.</td>
</tr>
<tr>
<td>HHL</td>
<td>Character 1</td>
<td>Household language.</td>
</tr>
<tr>
<td>HHT</td>
<td>Character 1</td>
<td>Household/family type.</td>
</tr>
<tr>
<td>HINCP</td>
<td>Numeric 8</td>
<td>Household income (past 12 months, use ADJINC to adjust HINCP to constant dollars). Components are rounded.</td>
</tr>
<tr>
<td>HUGCL</td>
<td>Character 1</td>
<td>Household with grandparent living with grandchildren.</td>
</tr>
<tr>
<td>HUPAC</td>
<td>Character 1</td>
<td>HH presence and age of children.</td>
</tr>
<tr>
<td>Character</td>
<td>Description</td>
<td>Values</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------</td>
<td>--------</td>
</tr>
</tbody>
</table>
| HUPAOC | 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 | 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 | Complete kitchen facilities | b . N/A (GQ)  
1 . Yes, has stove or range, refrigerator, and sink with a faucet  
2 . No |
| LNGI | 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 | Multigenerational household | b . N/A (GQ/Vacant/NP=0)  
1 . No, not a multigenerational household  
2 . Yes, is a multigenerational household |
| MV | 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 | 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 | Number of persons in family (unweighted) | bb . N/A (GQ/vacant/non-family household) |
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
 .(includes flush toilet for data collected prior to 2016)
2 .No
9 .Case is from Puerto Rico, PLM recode not applicable

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

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

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

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

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

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

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

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

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

**SSMC**  
**Character 1**  
Same-sex married couple households  
- b. N/A (GQ/vacant)  
- 0. Households without a same-sex married couple
1. Same-sex married-couple household where not all relevant data shown as reported
2. All other same-sex married-couple households

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

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

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

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

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

HOUSING RECORD-ALLOCATION FLAGS

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

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

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

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

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

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

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

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

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

FHWATP  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
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<th>Character</th>
<th>Description</th>
<th>Allocation Flag</th>
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<tr>
<td>FLAPTOPP</td>
<td>Laptop or desktop allocation flag</td>
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<td>FMHP</td>
<td>Mobile home costs (yearly amount) allocation flag</td>
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<td>FMRGIP</td>
<td>First mortgage payment includes fire, hazard, flood insurance allocation flag</td>
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<td>FMRGP</td>
<td>First mortgage payment (monthly amount) allocation flag</td>
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<td>FMRGTP</td>
<td>First mortgage payment includes real estate taxes allocation flag</td>
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<td>FMRGXP</td>
<td>First mortgage status allocation flag</td>
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<td>FMVP</td>
<td>When moved into this house or apartment allocation flag</td>
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<td>FOTHSVCEXP</td>
<td>Other Internet service allocation flag</td>
<td>b .N/A (GQ)</td>
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<td>FPLMP</td>
<td>Complete plumbing facilities allocation flag</td>
<td>b .N/A (GQ)</td>
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<tr>
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<td></td>
<td>0 .No</td>
</tr>
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<td></td>
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<td>1 .Yes</td>
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</table>
FPLMPRP Character 1
Complete plumbing facilities allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

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

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

FRNTP Character 1
Monthly rent allocation flag
b .N/A (GQ)
0 .No
1 .Yes

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

FRWATPRP Character 1
Running water allocation flag
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
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)
NO
1. Yes

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

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

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

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

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

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

HOUSING RECORD-REPLICATE WEIGHTS

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

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

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

WGTP4  Numeric  5
Housing Unit Weight replicate 4
-9999..9999  .Integer weight of housing unit
WGTP5   Numeric   5
Housing Unit Weight replicate 5
-9999..9999 .Integer weight of housing unit

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

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

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

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

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

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

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

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

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

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

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

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

WGTP18  Numeric   5
Housing Unit Weight replicate 18
-9999..9999 .Integer weight of housing unit
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<tr>
<th>Variable</th>
<th>Type</th>
<th>Width</th>
<th>Description</th>
<th>Notes</th>
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<td>Housing Unit Weight replicate 19</td>
<td>-9999..9999 .Integer weight of housing unit</td>
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WGTP47 Numeric 5
Housing Unit Weight replicate 47
-9999..9999 .Integer weight of housing unit

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

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

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

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

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

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

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

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

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

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

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

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

WGTP60 Numeric 5
Housing Unit Weight replicate 60
-9999..9999 .Integer weight of housing unit
WGTP61 Numeric 5
Housing Unit Weight replicate 61
-9999..9999 .Integer weight of housing unit

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PERSON RECORD

PERSON RECORD-BASIC VARIABLES

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

SERIALNO  Character  13
Housing unit/GQ person serial number
2018GQ0000001..2018GQ999999 .GQ Unique identifier (after 2017)
2018HU00000001..2018HU999999 .HU Unique identifier (after 2017)

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

SPORDER  Character  2
Person number
 01..20 .Person number
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<th>Character</th>
<th>Description</th>
<th>Codes</th>
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<tr>
<td><strong>PUMA</strong></td>
<td>Public use microdata area code (PUMA) based on 2010 Census definition</td>
<td>00100..70301</td>
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</table>
ADJINC Character 7
Adjustment factor for income and earnings dollar amounts (6 implied decimal places)
1070673 .2014 factor (1.008425 * 1.06172840)
1061242 .2015 factor (1.001264 * 1.05990255)
1054346 .2016 factor (1.007588 * 1.04640634)
1035838 .2017 factor (1.011189 * 1.02437673)
1013097 .2018 factor (1.013097 * 1.00000000)

PWGTP Numeric 5
Person 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
2016.2016
2017.2017
2018.2018

**COW**

**Character 1**

Class of worker

b. Not in universe (less than 16 years old/NILF who last worked more than 5 years ago or never worked)

1. Employee of a private for-profit company or business, or of an individual, for wages, salary, or commissions

2. Employee of a private not-for-profit, tax-exempt, or charitable organization

3. Local government employee (city, county, etc.)

4. State government employee

5. Federal government employee

6. Self-employed in own not incorporated business, professional practice, or farm

7. Self-employed in own incorporated business, professional practice or farm

8. Working without pay in family business or farm

9. Unemployed and last worked 5 years ago or earlier or never worked

**DDRS**

**Character 1**

Self-care difficulty

b. N/A (Less than 5 years old)

1. Yes

2. No

**DEAR**

**Character 1**

Hearing difficulty

1. Yes

2. No

**DEYE**

**Character 1**

Vision difficulty

1. Yes

2. No

**DOUT**

**Character 1**

Independent living difficulty

b. N/A (Less than 15 years old)

1. Yes

2. No

**DPHY**

**Character 1**

Ambulatory difficulty

b. N/A (Less than 5 years old)

1. Yes

2. No

**DRAT**

**Character 1**

Veteran service connected disability rating (percentage)

b. N/A (No service-connected disability/never served in military)

1. 0 percent

2. 10 or 20 percent
3. 30 or 40 percent
4. 50 or 60 percent
5. 70, 80, 90, or 100 percent
6. Not reported

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

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

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

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

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

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

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

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

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

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

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

HINS5 Character 1
TRICARE or other military health care
1. Yes
2. No

HINS6 Character 1
VA (including those who have ever used or enrolled for VA health care)
1. Yes
2. No

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

INTP Numeric 6
Interest, dividends, and net rental income past 12 months (signed, use ADJINC to adjust to constant dollars)

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.N/A</td>
<td>(less than 15 years old)</td>
</tr>
<tr>
<td>.None</td>
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<tr>
<td>-10000..-4</td>
<td>Loss $4 to $10000 (Rounded and bottom-coded)</td>
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<td>000001..999999</td>
<td>$1 to $999999 (Rounded and top-coded)</td>
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JWMNP Numeric 3
Travel time to work

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<tr>
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<th>Description</th>
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<tbody>
<tr>
<td>.N/A</td>
<td>(not a worker or worker who worked at home)</td>
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<tr>
<td>1..200</td>
<td>1 to 200 minutes to get to work (Top-coded)</td>
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JWRIP Numeric 2
Vehicle occupancy

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>.N/A</td>
<td>(not a worker or worker whose means of transportation to work was not car, truck, or van)</td>
</tr>
<tr>
<td>1</td>
<td>Drove alone</td>
</tr>
<tr>
<td>2</td>
<td>In 2-person carpool</td>
</tr>
<tr>
<td>3</td>
<td>In 3-person carpool</td>
</tr>
<tr>
<td>4</td>
<td>In 4-person carpool</td>
</tr>
<tr>
<td>5</td>
<td>In 5-person carpool</td>
</tr>
</tbody>
</table>
6. In 6-person carpool
7. In 7-person carpool
8. In 8-person carpool
9. In 9-person carpool
10. In 10-person or more carpool (Top-coded)

**JWTR Character 2**
Means of transportation to work
bb. N/A (not a worker—not in the labor force, including persons under 16 years; unemployed; employed, with a job but not at work; Armed Forces, with a job but not at work)
01. Car, truck, or van
02. Bus or trolley bus
03. Streetcar or trolley car (carro publico in Puerto Rico)
04. Subway or elevated
05. Railroad
06. Ferryboat
07. Taxicab
08. Motorcycle
09. Bicycle
10. Walked
11. Worked at home
12. Other method

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

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

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

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

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

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

**MARHYP**  
**Numeric  4**  
Year last married  
bbbb. N/A (age less than 15 years; never married)  
1937 .1937 or earlier (Bottom-coded)  
1938 .1938  
1939 .1939  
1940 .1940  
1941 .1941  
1942 .1942  
1943 .1943  
1944 .1944  
1945 .1945  
1946 .1946  
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1982 .1982
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<td>2018</td>
<td>.2018</td>
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</tbody>
</table>

**MIG Character 1**

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

**MIL Character 1**

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

**MLPA Character 1**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**RETP**

**Numeric 6**

Retirement income past 12 months (use ADJINC to adjust to constant dollars)

- bbbbbbb: N/A (less than 15 years old)
- 0: None
- 4..999999: $4 to $999999 ( Rounded and top-coded)

**SCH**

**Character 1**

School enrollment

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

**SCHG**

**Character 2**

Grade level attending

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

**SCHL**

**Character 2**

Educational attainment

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

**SEMP**

**Numeric 6**
Self-employment income past 12 months (signed, use ADJINC to adjust SEMP to constant dollars)

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
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<tbody>
<tr>
<td>N/A</td>
<td>Less than 15 years old</td>
</tr>
<tr>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>-10000..-4</td>
<td>Loss $4 to $10000 (Rounded and bottom-coded)</td>
</tr>
<tr>
<td>4..999999</td>
<td>$4 to $999999 (Rounded and top-coded)</td>
</tr>
</tbody>
</table>

**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)

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
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<tbody>
<tr>
<td>N/A</td>
<td>Less than 15 years old</td>
</tr>
<tr>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>4..30000</td>
<td>$4 to $30000 (Rounded)</td>
</tr>
</tbody>
</table>

**SSP**

**Numeric 5**
Social Security income past 12 months (use ADJINC to adjust SSP to constant dollars)

<table>
<thead>
<tr>
<th>Value</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>N/A</td>
<td>Less than 15 years old</td>
</tr>
<tr>
<td>0</td>
<td>None</td>
</tr>
<tr>
<td>4..50000</td>
<td>$4 to $50000 (Rounded)</td>
</tr>
</tbody>
</table>

**WAGP**

**Numeric 6**
Wages or salary income past 12 months (use ADJINC to adjust WAGP to constant dollars)

<table>
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<tr>
<th>Value</th>
<th>Description</th>
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<tbody>
<tr>
<td>N/A</td>
<td>Less than 16 years old/did not work during the past 12 months</td>
</tr>
<tr>
<td>0</td>
<td>None</td>
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<tr>
<td>4..999999</td>
<td>$4 to 999999 (Rounded and top-coded)</td>
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**WKHP**

**Numeric 2**
Usual hours worked per week past 12 months

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<td>1..98</td>
<td>.1 to 98 usual hours</td>
</tr>
<tr>
<td>99</td>
<td>.99 or more usual hours</td>
</tr>
</tbody>
</table>
**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. 14 weeks or less worked during past 12 months

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

**YOEP**: Numeric 4
Year of entry
- 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
- 1946
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- 1948
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**PERSON RECORD—RECODED PERSON VARIABLES**

**ANC Character 1**

Ancestry recode

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

**ANC1P Character 3**  
Ancestry recode - first entry

000 .Suppressed for data year 2018 for select PUMAs
001 .Alsatian
003 .Austrian
005 .Basque
008 .Belgian
009 .Flemish
011 .British
012 .British Isles
020 .Danish
021 .Dutch
022 .English
024 .Finnish
026 .French
032 .German
040 .Prussian
046 .Greek
049 .Icelander
050 .Irish
051 .Italian
068 .Sicilian
077 .Luxembourger
078 .Maltese
082 .Norwegian
084 .Portuguese
087 .Scotch Irish
088 .Scottish
089 .Swedish
091 .Swiss
094 .Irish Scotch
097 .Welsh
098 .Scandinavian
099 .Celtic
100 .Albanian
102 .Belorussian
103 .Bulgarian
109 .Croatian
111 .Czech
112 .Bohemian
114 .Czechoslovakian
115 .Estonian
122 .German Russian
124 .Rom
125 .Hungarian
128 .Latvian
129 .Lithuanian
130 .Macedonian
131 .Montenegrin
142 .Polish
144 .Romanian
146 .Moldavian
148 .Russian
152. Serbian
153. Slovak
154. Slovene
168. Turkestani
169. Uzbeg
170. Georgia CIS
171. Ukrainian
176. Yugoslavian
177. Bosnian and Herzegovinian
178. Slavic
179. Slavonian
181. Central European
183. Northern European
185. Southern European
187. Western European
190. Eastern European
194. Germanic
195. European
200. Spaniard
210. Mexican
211. Mexican American
212. Mexicano
213. Chicano
215. Mexican American Indian
218. Mexican State
219. Mexican Indian
221. Costa Rican
222. Guatemalan
223. Honduran
224. Nicaraguan
225. Panamanian
226. Salvadoran
227. Central American
231. Argentinean
232. Bolivian
233. Chilean
234. Colombian
235. Ecuadorian
236. Paraguayan
237. Peruvian
238. Uruguayan
239. Venezuelan
249. South American
250. Latin American
251. Latin
252. Latino
261. Puerto Rican
271. Cuban
275. Dominican
290. Hispanic
291. Spanish
295. Spanish American
300. Bahamian
301. Barbadian
302. Belizean
308. Jamaican
310. Dutch West Indian
314 .Trinidadian Tobagonian
322 .British West Indian
325 .Antigua and Barbuda
329 .Grenadian
330 .Vincent-Grenadine Islander
331 .St Lucia Islander
335 .West Indian
336 .Haitian
359 .Other West Indian
360 .Brazilian
370 .Guyanese
400 .Algerian
402 .Egyptian
404 .Libyan (2017 or later)
406 .Moroccan
411 .North African
416 .Iranian
417 .Iraqi
419 .Israeli
421 .Jordanian
423 .Kuwaiti (2017 or later)
425 .Lebanese
427 .Saudi Arabian
429 .Syrian
431 .Armenian
434 .Turkish
435 .Yemeni
442 .Kurdish
465 .Palestinian
483 .Assyrian
484 .Chaldean
490 .Mideast
495 .Arab
496 .Arabic
499 .Other Arab
508 .Cameroonian
510 .Cape Verdean
515 .Congolese
522 .Ethiopian
523 .Eritrean
527 .Gambian (2017 or later)
529 .Ghanaian
530 .Guinean (2017 or later)
534 .Kenyan
541 .Liberian
553 .Nigerian
564 .Senegalese
566 .Sierra Leonean
568 .Somali
570 .South African
576 .Sudanese
586 .Togo (2017 or later)
587 .Other Subsaharan African
588 .Ugandan
593 .Zimbabwean (2017 or later)
598 .Western African
599 .African
47

- Afghan
- Bangladeshi
- Bhutanese
- Nepali
- Asian Indian
- Bengali
- East Indian
- Punjabi
- Pakistani
- Sri Lankan
- Burmese
- Cambodian
- Chinese
- Cantonese
- Punjabi
- Tamilian
- Hmong
- Malaysian
- Thai
- Taiwanese
- Vietnamese
- Eurasian (2016 or earlier)
- Asian
- Other Asian
- Australian
- New Zealander
- Polynesian
- Hawaiian
- Samoan
- Tongan
- Micronesian
- Guamanian
- Chamorro
- Palauan (2017 or later)
- Marshallese
- Fijian
- Pacific Islander
- Other Pacific
- Afro American
- Afro
- African American
- Black
- Negro
- Creole
- Central American Indian
- South American Indian
- Native American
- Indian
- Cherokee
- American Indian
921 .Aleut (2016 or earlier)
922 .Eskimo
924 .White
925 .Anglo
927 .Appalachian
929 .Pennsylvania German
931 .Canadian
935 .French Canadian
936 .Acadian (2017 or later)
937 .Cajun
939 .American
940 .United States
970 .New Mexico (2017 or later)
983 .Texas
994 .North American
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996 .Uncodable entries
997 .Other groups
998 .Other responses
999 .Not reported

ANC2P Character 3
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003 .Austrian
005 .Basque
008 .Belgian
009 .Flemish
011 .British
012 .British Isles
020 .Danish
021 .Dutch
022 .English
024 .Finnish
026 .French
032 .German
040 .Prussian
046 .Greek
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050 .Irish
051 .Italian
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078 .Maltese
082 .Norwegian
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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
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183. Northern European
185. Southern European
187. Western European
190. Eastern European
194. Germanic
195. European
200. Spaniard
210. Mexican
211. Mexican American
212. Mexicano
213. Chicano
215. Mexican American Indian
218. Mexican State
219. Mexican Indian
221. Costa Rican
222. Guatemalan
223. Honduran
224. Nicaraguan
225. Panamanian
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570. South African
576. Sudanese
586. Togo (2017 or later)
587. Other Subsaharan African
588. Ugandan
593. Zimbabwean (2017 or later)
598. Western African
599. African
600. Afghan
603. Bangladeshi
607. Bhutanese
609. Nepali
615. Asian Indian
618. Bengali
620. East Indian
650. Punjabi
680. Pakistani
690. Sri Lankan
700. Burmese
703. Cambodian
706. Chinese
707. Cantonese
712. Mongolian
714. Tibetan
716. Hong Kong (2017 or later)
720. Filipino
730. Indonesian
740. Japanese
748. Okinawan
750. Korean
765. Laotian
768. Hmong
770. Malaysian
776. Thai
782. Taiwanese
785. Vietnamese
793. Eurasian (2016 or earlier)
795. Asian
799. Other Asian
800. Australian
803. New Zealander
808. Polynesian
811. Hawaiian
814. Samoan
815. Tongan
820. Micronesian
821. Guamanian
822. Chamorro
824 . Palauan (2017 or later)
825 . Marshallese
841 . Fijian
850 . Pacific Islander
899 . Other Pacific
900 . Afro American
901 . Afro
902 . African American
903 . Black
904 . Negro
907 . Creole
913 . Central American Indian
914 . South American Indian
917 . Native American
918 . Indian
919 . Cherokee
920 . American Indian
921 . Aleut (2016 or earlier)
922 . Eskimo
924 . White
925 . Anglo
927 . Appalachian
929 . Pennsylvania German
931 . Canadian
935 . French Canadian
936 . Acadian (2017 or later)
937 . Cajun
939 . American
940 . United States
970 . New Mexico (2017 or later)
983 . Texas
994 . North American
995 . Mixture
996 . Uncodable entries
997 . Other groups
998 . Other responses
999 . Not reported

**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)
1 .Living with two parents: both parents in labor force
2 .Living with two parents: Father only in labor force
3 .Living with two parents: Mother only in labor force
4 .Living with two parents: Neither parent in labor force
5 .Living with father: Father in the labor force
6 .Living with father: Father not in labor force
7 .Living with mother: Mother in the labor force
8 .Living with mother: Mother not in labor force

ESR

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

FOD1P

Character 4
Recoded field of degree - first entry
b 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
5701  .Electrical, Mechanical, And Precision Technologies And  
  .Production
5901  .Transportation Sciences And Technologies
6000  .Fine Arts
6001  .Drama And Theater Arts
6002  .Music
6003  .Visual And Performing Arts
6004  .Commercial Art And Graphic Design
6005  .Film Video And Photographic Arts
6006  .Art History And Criticism
6007  .Studio Arts
6099  .Miscellaneous Fine Arts
6100  .General Medical And Health Services
6102  .Communication Disorders Sciences And Services
6103  .Health And Medical Administrative Services
6104  .Medical Assisting Services
6105  .Medical Technologies Technicians
6106  .Health And Medical Preparatory Programs
6107  .Nursing
6108  .Pharmacy Pharmaceutical Sciences And Administration
6109  .Treatment Therapy Professions
6110  .Community And Public Health
6199  .Miscellaneous Health Medical Professions
6200  .General Business
6201  .Accounting
6202  .Actuarial Science
6203  .Business Management And Administration
6204  .Operations Logistics And E-Commerce
6205  .Business Economics
6206  .Marketing And Marketing Research
6207  .Finance
6209  .Human Resources And Personnel Management
6210  .International Business
6211  .Hospitality Management
6212  .Management Information Systems And Statistics
6299  .Miscellaneous Business and Medical Administration
6402  .History
6403  .United States History

FOD2P  
Character  4
Recoded field of degree - second entry
bhbh  .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
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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
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<td>Multi/Interdisciplinary Studies</td>
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<tr>
<td>4001</td>
<td>Intercultural And International Studies</td>
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<tr>
<td>4002</td>
<td>Nutrition Sciences</td>
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<tr>
<td>4005</td>
<td>Mathematics And Computer Science</td>
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<tr>
<td>4006</td>
<td>Cognitive Science And Biopsychology</td>
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<tr>
<td>4007</td>
<td>Interdisciplinary Social Sciences</td>
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<tr>
<td>4101</td>
<td>Physical Fitness Parks Recreation And Leisure</td>
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<td>4801</td>
<td>Philosophy And Religious Studies</td>
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<td>Theology And Religious Vocations</td>
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<td>5000</td>
<td>Physical Sciences</td>
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<td>5001</td>
<td>Astronomy And Astrophysics</td>
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<td>Atmospheric Sciences And Meteorology</td>
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<td>5003</td>
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<td>Geology And Earth Science</td>
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<td>5005</td>
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<td>5006</td>
<td>Oceanography</td>
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<td>5007</td>
<td>Physics</td>
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<tr>
<td>5008</td>
<td>Materials Science</td>
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<tr>
<td>5098</td>
<td>Multi-Disciplinary Or General Science</td>
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<tr>
<td>5102</td>
<td>Nuclear, Industrial Radiology, And Biological Technologies</td>
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<tr>
<td>5200</td>
<td>Psychology</td>
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<tr>
<td>5201</td>
<td>Educational Psychology</td>
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<tr>
<td>5202</td>
<td>Clinical Psychology</td>
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<tr>
<td>5203</td>
<td>Counseling Psychology</td>
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<tr>
<td>5205</td>
<td>Industrial And Organizational Psychology</td>
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<tr>
<td>5206</td>
<td>Social Psychology</td>
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<tr>
<td>5299</td>
<td>Miscellaneous Psychology</td>
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<td>5301</td>
<td>Criminal Justice And Fire Protection</td>
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<td>5401</td>
<td>Public Administration</td>
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<tr>
<td>5402</td>
<td>Public Policy</td>
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<td>5403</td>
<td>Human Services And Community Organization</td>
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<td>5404</td>
<td>Social Work</td>
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<td>General Social Sciences</td>
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<td>5501</td>
<td>Economics</td>
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HICOV  Character  1  
Health insurance coverage recode  
1 .With health insurance coverage  
2 .No health insurance coverage  

HISP  Character  2  
Recoded detailed Hispanic origin  
01 .Not Spanish/Hispanic/Latino  
02 .Mexican  
03 .Puerto Rican
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<tr>
<td>05</td>
<td>Dominican</td>
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<tr>
<td>06</td>
<td>Costa Rican</td>
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<tr>
<td>07</td>
<td>Guatemalan</td>
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<tr>
<td>08</td>
<td>Honduran</td>
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<tr>
<td>09</td>
<td>Nicaraguan</td>
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<tr>
<td>10</td>
<td>Panamanian</td>
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<tr>
<td>11</td>
<td>Salvadoran</td>
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<tr>
<td>12</td>
<td>Other Central American</td>
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<tr>
<td>13</td>
<td>Argentinean</td>
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<tr>
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<td>Bolivian</td>
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<td>15</td>
<td>Chilean</td>
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<td>16</td>
<td>Colombian</td>
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<td>17</td>
<td>Ecuadorian</td>
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<tr>
<td>18</td>
<td>Paraguayan</td>
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<td>19</td>
<td>Peruvian</td>
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<tr>
<td>20</td>
<td>Uruguayan</td>
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<tr>
<td>21</td>
<td>Venezuelan</td>
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<tr>
<td>22</td>
<td>Other South American</td>
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<tr>
<td>23</td>
<td>Spaniard</td>
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<tr>
<td>24</td>
<td>All Other Spanish/Hispanic/Latino</td>
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<td>bbb3</td>
<td>N/A (less than 16 years old/NILF who last worked more than .5 years ago or never worked)</td>
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<tr>
<td>0170</td>
<td>AGR-Crop Production</td>
</tr>
<tr>
<td>0180</td>
<td>AGR-Animal Production And Aquaculture</td>
</tr>
<tr>
<td>0190</td>
<td>AGR-Forestry Except Logging</td>
</tr>
<tr>
<td>0270</td>
<td>AGR-Logging</td>
</tr>
<tr>
<td>0280</td>
<td>AGR-Fishing, Hunting And Trapping</td>
</tr>
<tr>
<td>0290</td>
<td>AGR-Support Activities For Agriculture And Forestry</td>
</tr>
<tr>
<td>0370</td>
<td>EXT-Oil And Gas Extraction</td>
</tr>
<tr>
<td>0380</td>
<td>EXT-Coal Mining</td>
</tr>
<tr>
<td>0390</td>
<td>EXT-Metal Ore Mining</td>
</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>
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<tr>
<td>0590</td>
<td>UTL-Electric And Gas, And Other Combinations</td>
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<tr>
<td>0670</td>
<td>UTL-Water, Steam, Air Conditioning, And Irrigation Systems</td>
</tr>
<tr>
<td>0680</td>
<td>UTL-Sewage Treatment Facilities</td>
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<tr>
<td>0690</td>
<td>UTL-Not Specified Utilities</td>
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<tr>
<td>0770</td>
<td>CON-Construction (The Cleaning Of Buildings And Dwellings Is Incidental During Construction And Immediately After Construction)</td>
</tr>
<tr>
<td>1070</td>
<td>MFG-Animal Food, Grain And Oilseed Milling</td>
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<tr>
<td>1080</td>
<td>MFG-Sugar And Confectionery Products</td>
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<tr>
<td>1090</td>
<td>MFG-Fruit And Vegetable Preserving And Specialty 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>
</tbody>
</table>

60
1390 .MFG-Tobacco
1470 .MFG-Fiber, Yarn, And Thread Mills
1480 .MFG-Fabric Mills, Except Knitting Mills
1490 .MFG-Textile And Fabric Finishing And Fabric Coating Mills
1570 .MFG-Carpet And Rug Mills
1590 .MFG-Textile Product Mills, Except Carpet And Rug
1670 .MFG-Knitting Fabric Mills, And Apparel Knitting Mills
1691 .MFG-Cut And Sew, And Apparel Accessories And Other Apparel
1770 .MFG-Footwear
1790 .MFG-Leather And Hide Tanning And Finishing, And Other .Leather And Allied Products
1870 .MFG-Pulp, Paper, And Paperboard Mills
1880 .MFG-Paperboard Container
1890 .MFG-Miscellaneous Paper And Pulp Products
1990 .MFG-Printing And Related Support Activities
2070 .MFG-Petroleum Refining
2090 .MFG-Miscellaneous Petroleum And Coal Products
2170 .MFG-Resin, Synthetic Rubber, And Fibers And Filaments
2180 .MFG-Agricultural Chemicals
2190 .MFG-Pharmaceuticals And Medicines
2270 .MFG-Paint, Coating, And Adhesives
2280 .MFG-Soap, Cleaning Compound, And Cosmetics
2290 .MFG-Industrial And Miscellaneous Chemicals
2370 .MFG-Plastics Products
2380 .MFG-Tires
2390 .MFG-Rubber Products, Except Tires
2470 .MFG-Pottery, Ceramics, And Plumbing Fixture Manufacturing
2480 .MFG-Clay Building Material And Refractories
2490 .MFG-Glass And Glass Products
2570 .MFG-Cement, Concrete, Lime, And Gypsum Products
2590 .MFG-Miscellaneous Nonmetallic Mineral Products
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-Foundries
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
        .Manufacturing
3970  .MFG-Sporting And Athletic Goods, And Doll, Toy, And Game
        .Manufacturing
3980  .MFG-Miscellaneous Manufacturing, N.E.C.
3990  .MFG-Not Specified Manufacturing Industries
4070  .WHL-Motor 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-Automatic 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
9090 .SRV-Other Personal Services
9160 .SRV-Religious Organizations
9170 .SRV-Civic, Social, Advocacy Organizations, And Grantmaking And Giving Services
9180 .SRV-Labor Unions
9190 .SRV-Business, Professional, Political, And Similar Organizations
9290 .SRV-Private Households
9370 .ADM-Executive Offices And Legislative Bodies
9380 .ADM-Public Finance Activities
9390 .ADM-Other General Government And Support
9470 .ADM-Justice, Public Order, And Safety Activities
9480 .ADM-Administration Of Human Resource Programs
9490 .ADM-Administration Of Environmental Quality And Housing Programs
9570 .ADM-Administration Of Economic Programs And Space Research
9570 .ADM-National Security And International Affairs
9670 .MIL-U.S. Army
9680 .MIL-U.S. Air Force
9690 .MIL-U.S. Navy
9770 .MIL-U.S. Marines
9780 .MIL-U.S. Coast Guard
9790 .MIL-U.S. Armed Forces, Branch Not Specified
9870 .MIL-Military Reserves Or National Guard
9920 .Unemployed And Last Worked 5 Years Ago Or Earlier Or Never Worked
**JWAP**  
**Character 3**

<table>
<thead>
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<th>Time of arrival at work - hour and minute</th>
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<td>003.12:10 a.m. to 12:14 a.m.</td>
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<td>004.12:15 a.m. to 12:19 a.m.</td>
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<td>011.1:00 a.m. to 1:04 a.m.</td>
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<tr>
<td>012.1:05 a.m. to 1:09 a.m.</td>
</tr>
<tr>
<td>013.1:10 a.m. to 1:14 a.m.</td>
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<tr>
<td>014.1:15 a.m. to 1:19 a.m.</td>
</tr>
<tr>
<td>015.1:20 a.m. to 1:24 a.m.</td>
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<tr>
<td>016.1:25 a.m. to 1:29 a.m.</td>
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<td>017.1:30 a.m. to 1:34 a.m.</td>
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<td>018.1:35 a.m. to 1:39 a.m.</td>
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<td>019.1:40 a.m. to 1:44 a.m.</td>
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<td>020.1:45 a.m. to 1:49 a.m.</td>
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<td>021.1:50 a.m. to 1:54 a.m.</td>
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<td>022.2:00 a.m. to 2:04 a.m.</td>
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<tr>
<td>023.2:05 a.m. to 2:09 a.m.</td>
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<tr>
<td>024.2:10 a.m. to 2:14 a.m.</td>
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<tr>
<td>025.2:15 a.m. to 2:19 a.m.</td>
</tr>
<tr>
<td>026.2:20 a.m. to 2:24 a.m.</td>
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<tr>
<td>027.2:25 a.m. to 2:29 a.m.</td>
</tr>
<tr>
<td>028.2:30 a.m. to 2:34 a.m.</td>
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<td>029.2:35 a.m. to 2:39 a.m.</td>
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<tr>
<td>030.2:40 a.m. to 2:44 a.m.</td>
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LANP

Character 4
Language other than English spoken at home
bbb .N/A (GQ/vacant)
1000 .Jamaican Creole English
1025 .Other English-based Creole languages
1055 .Haitian
1069 .Kabuverdianu
1110 .German
1120 .Swiss German
1125 .Pennsylvania German
1130 .Yiddish
1132 .Dutch
1134 .Afrikaans
1140 .Swedish
1141 .Danish
1142 .Norwegian
1155 .Italian
1170 .French
1175 .Cajun French
1200 .Spanish
1210 .Portuguese
1220 .Romanian
1231 .Irish
1235 .Greek
1242 .Albanian
1250 .Russian
1260 .Ukrainian
1262 .Czech
1263 .Slovak
1270 .Polish
1273 .Bulgarian
1274 .Macedonian
1275 .Serbocroatian
1276 .Bosnian
1277 .Croatian
1278 .Serbian
1281 .Lithuanian
1283 .Latvian
1288 .Armenian
1290 .Farsi
1292 .Dari
1315 .Kurdish
1327 .Pashto
1340 .India N.E.C.
1350 .Hindi
1360 .Urdu
1380 .Bengali
1420 .Punjabi
1435 .Konkani
1440 .Marathi
1450 .Gujarati
1500 .Nepali
1515 .Sindhi
1525 .Pakistan N.E.C.
1530 .Sinhala
1540 .Other Indo-Iranian languages
1564 .Other Indo-European languages
1565 .Finnish
1582 .Hungarian
1603 .Georgian
1652 .Uzbek
1675 .Turkish
1690 .Mongolian
1730 .Telugu
1737 .Kannada
1750 .Malayalam
1765 .Tamil
1900 .Khmer
1960 .Vietnamese
1970 .Chinese
6800 .Aleut languages
6839 .Ojibwa
6930 .Apache languages
6933 .Navajo
6936 .Kiowa-Tanoan languages (2016 or earlier)
7019 .Dakota languages
7032 .Muskogean languages
7039 .Keres
7050 .Cherokee
7059 .Zuni (2016 or earlier)
7060 .Uto-Aztecan languages
7124 .Other Native North American languages
7300 .Other Central and South American languages
9999 .Other and unspecified languages

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

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

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

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 bbb .N/A (person less than 1 year old/lived in same house 1 year ago)
 001 .Alabama/AL
 002 .Alaska/AK
 004 .Arizona/AZ
 005 .Arkansas/AR
 006 .California/CA
 008 .Colorado/CO
 009 .Connecticut/CT
 010 .Delaware/DE
 011 .District of Columbia/DC
 012 .Florida/FL
 013 .Georgia/GA
 015 .Hawaii/HI
 016 .Idaho/ID
 017 .Illinois/IL
 018 .Indiana/IN
 019 .Iowa/IA
 020 .Kansas/KS
 021 .Kentucky/KY
 022 .Louisiana/LA
 023 .Maine/ME
 024 .Maryland/MD
 025 .Massachusetts/MA
 026 .Michigan/MI
 027 .Minnesota/MN
 028 .Mississippi/MS
 029 .Missouri/MO
 030 .Montana/MT
 031 .Nebraska/NE
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<td>317</td>
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<td>327</td>
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<td>Eastern Africa, Not Specified</td>
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<td>501</td>
<td>Australia</td>
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<tr>
<td>555</td>
<td>Other US Island Areas, Oceania, Not Specified, or At Sea</td>
</tr>
</tbody>
</table>

**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

**NAICS Character 8**
- North American Industry Classification System (NAICS) recode for 2018 and later based on 2017 NAICS codes
  - 111. AGR-Crop Production
  - 112. AGR-Animal Production And Aquaculture
  - 113. 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
3321 .MFG-Metal Forgings And Stampings  
3322 .MFG-Cutlery And Hand Tools  
3327 .MFG-Machine Shops; Turned Products; Screws, Nuts And Bolts  
3328 .MFG-Coating, Engraving, Heat Treating And Allied Activities  
3329M .MFG-Ordnance  
332M .MFG-Structural Metals, And Boiler, Tank, And Shipping Containers  
332MZ .MFG-Miscellaneous Fabricated Metal Products  
33311 .MFG-Agricultural Implements  
3331M .MFG-Construction, And Mining And Oil And Gas Field Machinery  
3333 .MFG-Commercial And Service Industry Machinery  
3335 .MFG-Metalworking Machinery  
3336 .MFG-Engine, Turbine, And Power Transmission Equipment  
333MS .MFG-Machinery Manufacturing, N.E.C. Or Not Specified  
3341 .MFG-Computer And Peripheral Equipment  
3345 .MFG-Navigational, Measuring, Electromedical, And Control Instruments  
334M1 .MFG-Communications, And Audio And Video Equipment  
334M2 .MFG-Electronic Components And Products, N.E.C.  
3352 .MFG-Household Appliances  
335M .MFG-Electric Lighting, And Electrical Equipment Manufacturing, And Other Electrical Component Manufacturing, N.E.C.  
33641M1 .MFG-Aircraft And Parts  
33641M2 .MFG-Aerospace Products And Parts  
3365 .MFG-Railroad Rolling Stock  
3366 .MFG-Ship And Boat Building  
3369 .MFG-Other Transportation Equipment  
336M .MFG-Motor Vehicles And Motor Vehicle Equipment  
337 .MFG-Furniture And Related Products  
3391 .MFG-Medical Equipment And Supplies  
3399M .MFG-Sporting And Athletic Goods, And Doll, Toy, And Game Manufacturing  
33992M .MFG-Miscellaneous Manufacturing, N.E.C.  
33MS .MFG-Not Specified Metal Industries  
3MS .MFG-Not Specified Industries  
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  
42393 .WHL-Recyclable Material Merchant Wholesalers  
42392 .WHL-Miscellaneous Durable Goods Merchant Wholesalers  
4241 .WHL-Paper And Paper Products Merchant Wholesalers
4243  .WHL-Apparel, Piece Goods, And Notions Merchant
       .Wholesalers
4244  .WHL-Grocery And Related Product Merchant Wholesalers
4245  .WHL-Product Raw Material Merchant Wholesalers
4247  .WHL-Petroleum And Petroleum Products Merchant
       .Wholesalers
4248  .WHL-Alcoholic Beverages Merchant Wholesalers
42491 .WHL-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 Liqueur 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
454110  .RET-Electronic Shopping And Mail-Order Houses
4542  .RET-Vending Machine Operators
454310  .RET-Fuel Dealers
45439  .RET-Other Direct Selling Establishments
4MS  .RET-Not Specified Retail Trade
481  .TRN-Air Transportation
482  .TRN-Rail Transportation
483  .TRN-Water Transportation
484  .TRN-Truck Transportation
4853  .TRN-Taxi And Limousine Service
485M  .TRN-Bus Service And Urban Transit
486  .TRN-Pipeline Transportation
.TRN-Scenic And Sightseeing Transportation
/TRN-Services Incidental To Transportation
.TRN-Postal Service
/TRN-Couriers And Messengers
.TRN-Warehousing And Storage
.INF-Newspaper Publishers
.INF-Periodical, Book, And Directory Publishers
.INF-Software Publishers
.INF-Motion Picture And Video Industries
.INF-Sound Recording Industries
.INF-Broadcasting, Except Internet
.INF-Wired Telecommunications Carriers
.INF-Telecommunications, Except Wired Telecommunications Carriers
.INF-Data Processing, Hosting, And Related Services
.INF-Libraries And Archives
.INF-Internet Publishing And Broadcasting And Web Search Portals
.INF-Other Information Services, Except Libraries And Archives, And Internet Publishing And Broadcasting And Web Search Portals
.FIN-Savings Institutions, Including Credit Unions
.FIN-Nondepository Credit And Related Activities
.FIN-Insurance Carriers
.FIN-Agencies, Brokerages, And Other Insurance Related Activities
.FIN-Banking And Related Activities
.FIN-Securities, Commodities, Funds, Trusts, And Other Financial Investments
.FIN-Lessors Of Real Estate, And Offices Of Real Estate Agents And Brokers
.FIN-Real Estate Property Managers, Offices of Real Estate Appraisers, And Other Activities Related to Real Estate
.FIN-Automotive Equipment Rental And Leasing
.FIN-Other Consumer Goods Rental
.FIN-Commercial, Industrial, And Other Intangible Assets Rental And Leasing
.PRF-Legal Services
.PRF-Accounting, Tax Preparation, Bookkeeping, And Payroll Services
.PRF-Architectural, Engineering, And Related Services
.PRF-Specialized Design Services
.PRF-Computer Systems Design And Related Services
.PRF-Management, Scientific, And Technical Consulting Services
.PRF-Scientific Research And Development Services
.PRF-Advertising, Public Relations, And Related Services
.PRF-Veterinary Services
.PRF-Other Professional, Scientific, And Technical Services
.PRF-Management Of Companies And Enterprises
.PRF-Employment Services
.PRF-Business Support Services
.PRF-Travel Arrangements And Reservation Services
.PRF-Investigation And Security Services
.PRF-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
62132M .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
712 .ENT-Museums, Art Galleries, Historical Sites, And Similar Institutions
71395 .ENT-Bowling Centers
713Z .ENT-Other Amusement, Gambling, And Recreation Industries
7211 .ENT-Traveler Accommodation
721M .Recreational Vehicle Parks And Camps, And Rooming And Boarding House, Dormitories, And Workers' Camps
7224 .ENT-Drinking Places, Alcoholic Beverages
722Z .ENT-Restaurants And Other Food Services
811192 .SRV-Car Washes
8111Z .SRV-Automotive Repair And Maintenance
8112 .SRV-Electronic And Precision Equipment Repair And Maintenance
8113 .SRV-Commercial And Industrial Machinery And Equipment Repair And Maintenance
8114 .SRV-Personal And Household Goods Repair And Maintenance
812111 .SRV-Barber Shops
812112 .SRV-Beauty Salons
8121M .SRV-Nail Salons And Other Personal Care Services
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<th>Code</th>
<th>Description</th>
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<tr>
<td>8122</td>
<td>.SRV-Funeral Homes, Cemeteries And Crematories</td>
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<td>8123</td>
<td>.SRV-Drycleaning And Laundry Services</td>
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<tr>
<td>8129</td>
<td>.SRV-Other Personal Services</td>
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<tr>
<td>8131</td>
<td>.SRV-Religious Organizations</td>
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<tr>
<td>81393</td>
<td>.SRV-Labor Unions</td>
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<tr>
<td>8139Z</td>
<td>.SRV-Business, Professional, Political, And Similar Organizations</td>
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<tr>
<td>813M</td>
<td>.SRV-Civic, Social, Advocacy Organizations, And Grantmaking And Giving Services</td>
</tr>
<tr>
<td>814</td>
<td>.SRV-Private Households</td>
</tr>
<tr>
<td>92113</td>
<td>.ADM-Public Finance Activities</td>
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<tr>
<td>92119</td>
<td>.ADM-Other General Government And Support</td>
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<tr>
<td>9211MP</td>
<td>.ADM-Executive Offices And Legislative Bodies</td>
</tr>
<tr>
<td>923</td>
<td>.ADM-Administration Of Human Resource Programs</td>
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<tr>
<td>928110P1</td>
<td>.MIL-U.S. Army</td>
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<tr>
<td>928110P2</td>
<td>.MIL-U.S. Air Force</td>
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<tr>
<td>928110P3</td>
<td>.MIL-U.S. Navy</td>
</tr>
<tr>
<td>928110P4</td>
<td>.MIL-U.S. Marines</td>
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<tr>
<td>928110P5</td>
<td>.MIL-U.S. Coast Guard</td>
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<tr>
<td>928110P6</td>
<td>.MIL-U.S. Armed Forces, Branch Not Specified</td>
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<tr>
<td>928110P7</td>
<td>.MIL-Military Reserves Or National Guard</td>
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<tr>
<td>928P</td>
<td>.ADM-National Security And International Affairs</td>
</tr>
<tr>
<td>92M1</td>
<td>.ADM-Administration Of Environmental Quality And Housing Programs</td>
</tr>
<tr>
<td>92M2</td>
<td>.ADM-Administration Of Economic Programs And Space Research</td>
</tr>
<tr>
<td>92MP</td>
<td>.ADM-Justice, Public Order, And Safety Activities</td>
</tr>
<tr>
<td>999920</td>
<td>.Unemployed And Last Worked 5 Years Ago Or Earlier Or Never Worked</td>
</tr>
</tbody>
</table>

**NATIVITY Character 1**

Nativity
1. Native
2. Foreign born

**NOP Character 1**

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

**OC Character 1**

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

**OCCP Character 4**

Occupation recode for 2018 and later based on 2018 OCC codes
.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
1005 .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
2170 .LGL-Title Examiners, Abstractors, and Searchers
2180 .LGL-Legal Support Workers, All Other
2205 .EDU-Postsecondary Teachers
2300 .EDU-Preschool And Kindergarten Teachers
2310 .EDU-Elementary And Middle School Teachers
2320 .EDU-Secondary School Teachers
2330 .EDU-Special Education Teachers
2350 .EDU-Tutors
2360 .EDU-Other Teachers and Instructors
2400 .EDU-Archivists, Curators, And Museum Technicians
2435 .EDU-Librarians And Media Collections Specialists
2440 .EDU-Library Technicians
2545 .EDU-Teaching Assistants
2555 .EDU-Other Educational Instruction And Library Workers
2600 .ENT-Artists And Related Workers
2631 .ENT-Commercial And Industrial Designers
2632 .ENT-Fashion Designers
2633 .ENT-Floral Designers
2634 .ENT-Graphic Designers
2635 .ENT-Interior Designers
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>2636</td>
<td>.ENT-Merchandise Displayers And Windows Trimmers</td>
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<tr>
<td>2640</td>
<td>.ENT-Other Designers</td>
</tr>
<tr>
<td>2700</td>
<td>.ENT-Actors</td>
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<tr>
<td>2710</td>
<td>.ENT-Producers And Directors</td>
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<tr>
<td>2721</td>
<td>.ENT-Athletes and Sports Competitors</td>
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<td>2722</td>
<td>.ENT-Coaches and Scouts</td>
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<td>2723</td>
<td>.ENT-Umpires, Referees, And Other Sports Officials</td>
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<tr>
<td>2740</td>
<td>.ENT-Dancers And Choreographers</td>
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<td>2751</td>
<td>.ENT-Music Directors and Composers</td>
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<td>2752</td>
<td>.ENT-Musicians and Singers</td>
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<tr>
<td>2755</td>
<td>.ENT-Disc Jockeys, Except Radio</td>
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<tr>
<td>2770</td>
<td>.ENT-Entertainers And Performers, Sports and Related Workers, All Other</td>
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<tr>
<td>2805</td>
<td>.ENT-Broadcast Announcers And Radio Disc Jockeys</td>
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<tr>
<td>2810</td>
<td>.ENT-News Analysts, Reporters And Correspondents</td>
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<td>.ENT-Public Relations Specialists</td>
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<td>.ENT-Editors</td>
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<td>.ENT-Writers And Authors</td>
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<td>.ENT-Interpreters and Translators</td>
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<td>.ENT-Court Reporters and Simultaneous Captioners</td>
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<td>2865</td>
<td>.ENT-Media And Communication Workers, All Other</td>
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<td>.ENT-Other Media And Communication Equipment Workers</td>
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<td>.ENT-Photographers</td>
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<td>.ENT-Television, Video, And Motion Picture Camera Operators</td>
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<td>3000</td>
<td>.MED-Chiropractors</td>
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<td>3010</td>
<td>.MED-Dentists</td>
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<td>.MED-Dietitians And Nutritionists</td>
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<td>3250</td>
<td>.MED-Veterinarians</td>
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<tr>
<td>3255</td>
<td>.MED-Registered Nurses</td>
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<tr>
<td>3256</td>
<td>.MED-Nurse Anesthetists</td>
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<tr>
<td>3258</td>
<td>.MED-Nurse Practitioners, And Nurse Midwives</td>
</tr>
<tr>
<td>3261</td>
<td>.MED-Acupuncturists</td>
</tr>
<tr>
<td>3270</td>
<td>.MED-Healthcare Diagnosing Or Treating Practitioners, All Other</td>
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<tr>
<td>3300</td>
<td>.MED-Clinical Laboratory Technologists And Technicians</td>
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<tr>
<td>3310</td>
<td>.MED-Dental Hygienists</td>
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<tr>
<td>3321</td>
<td>.MED-Cardiovascular Technologists and Technicians</td>
</tr>
<tr>
<td>3322</td>
<td>.MED-Diagnostic Medical Sonographers</td>
</tr>
<tr>
<td>3323</td>
<td>.MED-Radiologic Technologists And Technicians</td>
</tr>
<tr>
<td>3324</td>
<td>.MED-Magnetic Resonance Imaging Technologists</td>
</tr>
<tr>
<td>3330</td>
<td>.MED-Nuclear Medicine Technologists and Medical Dosimetrists</td>
</tr>
</tbody>
</table>
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
3820 .PRT-Detectives And Criminal Investigators
3840 .PRT-Fish And Game Wardens And Parking Enforcement Officers
3870 .PRT-Police Officers
3900 .PRT-Animal Control Workers
3910 .PRT-Private Detectives And Investigators
3930 .PRT-Security Guards And Gaming Surveillance Officers
3940 .PRT-Crossing Guards And Flaggers
3945 .PRT-Transportation Security Screeners
3946 .PRT-School Bus Monitors
3960 .PRT-Other Protective Service Workers
4000 .EAT-Chefs And Head Cooks
4010 .EAT-First-Line Supervisors Of Food Preparation And Serving Workers
4020 .EAT-Cooks
4030 .EAT-Food Preparation Workers
4040 .EAT-Bartenders
4055 .EAT-Fast Food And Counter Workers
4110 .EAT-Waiters And Waitresses
4120 .EAT-Food Servers, Nonrestaurant
4130 .EAT-Dining Room And Cafeteria Attendants And Bartender Helpers
4140 .EAT-Dishwashers
4150 .EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee Shop
4160 .EAT-Food Preparation and Serving Related Workers, All Other
4200 .CLN-First-Line Supervisors Of Housekeeping And Janitorial Workers
4210 .CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers
4220 .CLN-Janitors And Building Cleaners
4230 .CLN-Maids And Housekeeping Cleaners
4240 .CLN-Pest Control Workers
4250 .CLN-Landscaping And Groundskeeping Workers
4251 .CLN-Tree Trimmers and Pruners
4252 .CLN-Other Grounds Maintenance Workers
4330 .PRS-Supervisors Of Personal Care And Service Workers
4340 .PRS-Animal Trainers
4350 .PRS-Animal Caretakers
4400 .PRS-Gambling Services Workers
4420 .PRS-Ushers, Lobby Attendants, And Ticket Takers
4435 .PRS-Other Entertainment Attendants And Related Workers
4460 .PRS-Embalmers, Crematory Operators, And Funeral Attendants
4465 .PRS-Morticians, Undertakers, And Funeral Arrangers
4500 .PRS-Barbers
4510 .PRS-Hairdressers, Hairstylists, And Cosmetologists
4520 .PRS-Manicurists And Pedicurists
4521 .PRS-Manicurists And Pedicurists
4522 .PRS-Skincare Specialists
4525 .PRS-Other Personal Appearance Workers
4530 .PRS-Baggage Porters, Bellhops, And Concierges
4540 .PRS-Tour And Travel Guides
4600 .PRS-Childcare Workers
4620 .PRS-Exercise Trainers And Group Fitness Instructors
4622 .PRS-Recreation Workers
4640 .PRS-Residential Advisors
4655 .PRS-Personal Care and Service Workers, All Other
4700 .SAL-First-Line Supervisors Of Retail Sales Workers
4710 .SAL-First-Line Supervisors Of Non-Retail Sales Workers
4720 .SAL-Cashiers
4740 .SAL-Counter And Rental Clerks
4750 .SAL-Parts Salespersons
4760 .SAL-Retail Salespersons
4800 .SAL-Advertising Sales Agents
4810 .SAL-Insurance Sales Agents
4820 .SAL-Securities, Commodities, And Financial Services Sales Agents
4830 .SAL-Travel Agents
4840 .SAL-Sales Representatives Of Services, Except Advertising, Insurance, Financial Services, And Travel
4850 .SAL-Sales Representatives, Wholesale And Manufacturing
4900 .SAL-Models, Demonstrators, And Product Promoters
4920 .SAL-Real Estate Brokers And Sales Agents
4930 .SAL-Sales Engineers
4940 .SAL-Telemarketers
4950 .SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers
4965 .SAL-Sales And Related Workers, All Other
5940 .OFF-Other Office And Administrative Support Workers
6005 .FFF-First-Line Supervisors Of Farming, Fishing, And Forestry Workers
6010 .FFF-Agricultural Inspectors
6040 .FFF-Graders And Sorters, Agricultural Products
6050 .FFF-Other Agricultural Workers
6115 .FFF-Fishing And Hunting Workers
6120 .FFF-Forest And Conservation Workers
6130 .FFF-Logging Workers
6200 .CON-First-Line Supervisors Of Construction Trades And Extraction Workers
6210 .CON-Boilermakers
6220 .CON-Brickmasons, Blockmasons, Stonemasons, And Reinforcing Iron And Rebar Workers
6230 .CON-Carpenters
6240 .CON-Carpet, Floor, And Tile Installers And Finishers
6250 .CON-Cement Masons, Concrete Finishers, And Terrazzo Workers
6260 .CON-Construction Laborers
6305 .CON-Construction Equipment Operators
6330 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers
6355 .CON-Electricians
6360 .CON-Glaziers
6400 .CON-Insulation Workers
6410 .CON-Painters and Paperhangers
6441 .CON-Pipelayers
6442 .CON-Plumbers, Pipefitters, And Steamfitters
6460 .CON-Plasterers And Stucco Masons
6515 .CON-Roofers
6520 .CON-Sheet Metal Workers
6530 .CON-Structural Iron And Steel Workers
6540 .CON-Solar Photovoltaic Installers
6600 .CON-Helpers, Construction Trades
6660 .CON-Construction And Building Inspectors
6700 .CON-Elevator Installers And Repairers
6710 .CON-Fence Erectors
6720 .CON-Hazardous Materials Removal Workers
6730 .CON-Highway Maintenance Workers
6740 .CON-Rail-Track Laying And Maintenance Equipment Operators
6765 .CON-Other Construction And Related Workers
6800 .EXT-Derrick, Rotary Drill, And Service Unit Operators, And Roustabouts, Oil, Gas, And Mining
6825 .EXT-Surface Mining Machine Operators And Earth Drillers
6835 .EXT-Explosives Workers, Ordnance Handling Experts, and Blasters
6850 .EXT-Underground Mining Machine Operators
6950 .EXT-Other Extraction Workers
7000 .RPR-First-Line Supervisors Of Mechanics, Installers, And Repairers
7010 .RPR-Computer, Automated Teller, And Office Machine Repairers
7020 .RPR-Radio And Telecommunications Equipment Installers And Repairers
7030 .RPR-Avionics Technicians
7040 .RPR-Electric Motor, Power Tool, And Related Repairers
7100 .RPR-Other Electrical And Electronic Equipment Mechanics, Installers, And Repairers.
RPR-Electronic Home Entertainment Equipment Installers And Repairers
RPR-Security And Fire Alarm Systems Installers
RPR-Aircraft Mechanics And Service Technicians
RPR-Automotive Body And Related Repairers
RPR-Automotive Glass Installers And Repairers
RPR-Automotive Service Technicians And Mechanics
RPR-Bus And Truck Mechanics And Diesel Engine Specialists
RPR-Heavy Vehicle And Mobile Equipment Service Technicians And Mechanics
RPR-Small Engine Mechanics
RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics, Installers, And Repairers
RPR-Control And Valve Installers And Repairers
RPR-Heating, Air Conditioning, And Refrigeration Mechanics And Installers
RPR-Home Appliance Repairers
RPR-Industrial And Refractory Machinery Mechanics
RPR-Maintenance And Repair Workers, General
RPR-Maintenance Workers, Machinery
RPR-Millwrights
RPR-Electrical Power-Line Installers And Repairers
RPR-Telecommunications Line Installers And Repairers
RPR-Precision Instrument And Equipment Repairers
RPR-Coin, Vending, And Amusement Machine Servicers And Repairers
RPR-Locksmiths And Safe Repairers
RPR-Riggers
RPR-Helpers--Installation, Maintenance, And Repair Workers
RPR-Other Installation, Maintenance, And Repair Workers
PRD-First-Line Supervisors Of Production And Operating Workers
PRD-Electrical, Electronics, And Electromechanical Assemblers
PRD-Engine And Other Machine Assemblers
PRD-Structural Metal Fabricators And Fitters
PRD-Other Assemblers And Fabricators
PRD-Bakers
PRD-Butchers And Other Meat, Poultry, And Fish Processing Workers
PRD-Food And Tobacco Roasting, Baking, And Drying Machine Operators And Tenders
PRD-Food Batchmakers
PRD-Food Cooking Machine Operators And Tenders
PRD-Food Processing Workers, All Other
PRD-Computer Numerically Controlled Tool Operators And Programmers
PRD-Forming Machine Setters, Operators, And Tenders, Metal And Plastic
PRD-Cutting, Punching, And Press Machine Setters, Operators, And Tenders, Metal And Plastic
PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool Operators, And Tenders, Metal and Plastic
PRD-Machinists
PRD-Metal Furnace Operators, Tenders, Pourers, And Casters
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8100</td>
<td>PRD-Model Makers, Patternmakers, And Molding Machine Setters, Metal And Plastic</td>
</tr>
<tr>
<td>8130</td>
<td>PRD-Tool And Die Makers</td>
</tr>
<tr>
<td>8140</td>
<td>PRD-Welding, Soldering, And Brazing Workers</td>
</tr>
<tr>
<td>8225</td>
<td>PRD-Other Metal Workers And Plastic Workers</td>
</tr>
<tr>
<td>8250</td>
<td>PRD-Prepress Technicians And Workers</td>
</tr>
<tr>
<td>8255</td>
<td>PRD-Printing Press Operators</td>
</tr>
<tr>
<td>8256</td>
<td>PRD-Print Binding And Finishing Workers</td>
</tr>
<tr>
<td>8300</td>
<td>PRD-Laundry And Dry-Cleaning Workers</td>
</tr>
<tr>
<td>8310</td>
<td>PRD-Pressers, Textile, Garment, And Related Materials</td>
</tr>
<tr>
<td>8320</td>
<td>PRD-Sewing Machine Operators</td>
</tr>
<tr>
<td>8330</td>
<td>PRD-Shoe And Leather Workers</td>
</tr>
<tr>
<td>8350</td>
<td>PRD-Tailors, Dressmakers, And Sewers</td>
</tr>
<tr>
<td>8365</td>
<td>PRD-Textile Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>8450</td>
<td>PRD-Upholsterers</td>
</tr>
<tr>
<td>8465</td>
<td>PRD-Other Textile, Apparel, And Furnishings Workers</td>
</tr>
<tr>
<td>8500</td>
<td>PRD-Cabinetmakers And Bench Carpenters</td>
</tr>
<tr>
<td>8510</td>
<td>PRD-Furniture Finishers</td>
</tr>
<tr>
<td>8525</td>
<td>PRD-Other Woodworkers</td>
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<tr>
<td>8600</td>
<td>PRD-Power Plant Operators, Distributors, And Dispatchers</td>
</tr>
<tr>
<td>8610</td>
<td>PRD-Stationary Engineers And Boiler Operators</td>
</tr>
<tr>
<td>8620</td>
<td>PRD-Water And Wastewater Treatment Plant And System Operators</td>
</tr>
<tr>
<td>8630</td>
<td>PRD-Miscellaneous Plant And System Operators</td>
</tr>
<tr>
<td>8640</td>
<td>PRD-Chemical Processing Machine Setters, Operators, And Tenders</td>
</tr>
<tr>
<td>8650</td>
<td>PRD-Crushing, Grinding, Polishing, Mixing, And Blending Workers</td>
</tr>
<tr>
<td>8710</td>
<td>PRD-Cutting Workers</td>
</tr>
<tr>
<td>8720</td>
<td>PRD-Extruding, Forming, Pressing, And Compacting Machine Setters, Operators, And Tenders</td>
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<tr>
<td>8730</td>
<td>PRD-Furnace, Kiln, Oven, Drier, And Kettle Operators And Tenders</td>
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<td>8740</td>
<td>PRD-Inspectors, Testers, Sorters, Samplers, And Weighers</td>
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<tr>
<td>8750</td>
<td>PRD-Jewelers And Precious Stone And Metal Workers</td>
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<tr>
<td>8760</td>
<td>PRD-Dental And Ophthalmic Laboratory Technicians And Medical Appliance Technicians</td>
</tr>
<tr>
<td>8800</td>
<td>PRD-Packaging And Filling Machine Operators And Tenders</td>
</tr>
<tr>
<td>8810</td>
<td>PRD-Painting Workers</td>
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<tr>
<td>8830</td>
<td>PRD-Photographic Process Workers And Processing Machine Operators</td>
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<tr>
<td>8850</td>
<td>PRD-Adhesive Bonding Machine Operators And Tenders</td>
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<tr>
<td>8910</td>
<td>PRD-Etchers And Engravers</td>
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<tr>
<td>8920</td>
<td>PRD-Molders, Shapers, And Casters, Except Metal And Plastic</td>
</tr>
<tr>
<td>8930</td>
<td>PRD-Paper Goods Machine Setters, Operators, And Tenders</td>
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<tr>
<td>8940</td>
<td>PRD-Tire Builders</td>
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<tr>
<td>8950</td>
<td>PRD-Helpers-Production Workers</td>
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<tr>
<td>8990</td>
<td>PRD-Miscellaneous Production Workers, Including Equipment Operators And Tenders</td>
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<tr>
<td>9005</td>
<td>TRN-Supervisors Of Transportation And Material Moving Workers</td>
</tr>
<tr>
<td>9030</td>
<td>TRN-Aircraft Pilots And Flight Engineers</td>
</tr>
<tr>
<td>9040</td>
<td>TRN-Air Traffic Controllers And Airfield Operations Specialists</td>
</tr>
<tr>
<td>Code</td>
<td>Occupation Description</td>
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<td>------</td>
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<tr>
<td>9050</td>
<td>TRN-Flight Attendants</td>
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<tr>
<td>9110</td>
<td>TRN-Ambulance Drivers And Attendants, Except Emergency Medical Technicians</td>
</tr>
<tr>
<td>9121</td>
<td>TRN-Bus Drivers, School</td>
</tr>
<tr>
<td>9122</td>
<td>TRN-Bus Drivers, Transit And Intercity</td>
</tr>
<tr>
<td>9130</td>
<td>TRN-Driver/Sales Workers And Truck Drivers</td>
</tr>
<tr>
<td>9141</td>
<td>TRN-Shuttle Drivers And Chauffeurs</td>
</tr>
<tr>
<td>9142</td>
<td>TRN-Taxi Drivers</td>
</tr>
<tr>
<td>9150</td>
<td>TRN-Motor Vehicle Operators, All Other</td>
</tr>
<tr>
<td>9210</td>
<td>TRN-Locomotive Engineers And Operators</td>
</tr>
<tr>
<td>9240</td>
<td>TRN-Railroad Conductors And Yardmasters</td>
</tr>
<tr>
<td>9265</td>
<td>TRN-Other Rail Transportation Workers</td>
</tr>
<tr>
<td>9300</td>
<td>TRN-Sailors And Marine Oilers, And Ship Engineers</td>
</tr>
<tr>
<td>9310</td>
<td>TRN-Ship And Boat Captains And Operators</td>
</tr>
<tr>
<td>9350</td>
<td>TRN-Parking Lot Attendants</td>
</tr>
<tr>
<td>9365</td>
<td>TRN-Transportation Service Attendants</td>
</tr>
<tr>
<td>9410</td>
<td>TRN-Transportation Inspectors</td>
</tr>
<tr>
<td>9415</td>
<td>TRN-Passenger Attendants</td>
</tr>
<tr>
<td>9430</td>
<td>TRN-Other Transportation Workers</td>
</tr>
<tr>
<td>9510</td>
<td>TRN-Crane And Tower Operators</td>
</tr>
<tr>
<td>9570</td>
<td>TRN-Conveyor, Dredge, And Hoist And Winch Operators</td>
</tr>
<tr>
<td>9600</td>
<td>TRN-Industrial Truck And Tractor Operators</td>
</tr>
<tr>
<td>9610</td>
<td>TRN-Cleaners Of Vehicles And Equipment</td>
</tr>
<tr>
<td>9620</td>
<td>TRN-Laborers And Freight, Stock, And Material Movers, Hand</td>
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<tr>
<td>9630</td>
<td>TRN-Machine Feeders And Offbearers</td>
</tr>
<tr>
<td>9640</td>
<td>TRN-Packers And Packagers, Hand</td>
</tr>
<tr>
<td>9645</td>
<td>TRN-Stockers And Order Fillers</td>
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<tr>
<td>9650</td>
<td>TRN-Pumping Station Operators</td>
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<tr>
<td>9720</td>
<td>TRN-Refuse And Recyclable Material Collectors</td>
</tr>
<tr>
<td>9760</td>
<td>TRN-Other Material Moving Workers</td>
</tr>
<tr>
<td>9800</td>
<td>MIL-Military Officer Special And Tactical Operations Leaders</td>
</tr>
<tr>
<td>9810</td>
<td>MIL-First-Line Enlisted Military Supervisors</td>
</tr>
<tr>
<td>9825</td>
<td>MIL-Military Enlisted Tactical Operations And Air/Weapons Specialists And Crew Members</td>
</tr>
<tr>
<td>9830</td>
<td>MIL-Military, Rank Not Specified</td>
</tr>
<tr>
<td>9920</td>
<td>Unemployed And Last Worked 5 Years Ago Or Earlier Or Never Worked</td>
</tr>
</tbody>
</table>

**PAOC**

**Character 1**

Presence and age of own children

- N/A (male/female under 16 years old/GQ)
- Females with own children under 6 years only
- Females with own children 6 to 17 years only
- Females with own children under 6 years and 6 to 17 years
- Females with no own children

**PERNP**

**Numeric 7**

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

- N/A (less than 15 years old)
- No earnings
- Loss of $10000 or more (Rounded and bottom-coded components)
- Loss $1 to $9999 (Rounded components)
- $1 to $1999998 (Rounded and top-coded components)
PINCP  Numeric  7
Total person's income (signed, use ADJINC to adjust to constant dollars)
  bbbbbbb  .N/A (less than 15 years old)
  0  .None
  -019998  .Loss of $19998 or more (Rounded and bottom-coded components)
  -19997..-1  .Loss $1 to $19997 (Rounded components)
  1..4209995  .$1 to $4209995(Rounded and top-coded components)

POBP  Character  3
Place of birth (Recode)
  001 .Alabama/AL
  002 .Alaska/AK
  004 .Arizona/AZ
  005 .Arkansas/AR
  006 .California/CA
  008 .Colorado/CO
  009 .Connecticut/CT
  010 .Delaware/DE
  011 .District of Columbia/DC
  012 .Florida/FL
  013 .Georgia/GA
  015 .Hawaii/HI
  016 .Idaho/ID
  017 .Illinois/IL
  018 .Indiana/IN
  019 .Iowa/IA
  020 .Kansas/KS
  021 .Kentucky/KY
  022 .Louisiana/LA
  023 .Maine/ME
  024 .Maryland/MD
  025 .Massachusetts/MA
  026 .Michigan/MI
  027 .Minnesota/MN
  028 .Mississippi/MS
  029 .Missouri/MO
  030 .Montana/MT
  031 .Nebraska/NE
  032 .Nevada/NV
  033 .New Hampshire/NH
  034 .New Jersey/NJ
  035 .New Mexico/NM
  036 .New York/NY
  037 .North Carolina/NC
  038 .North Dakota/ND
  039 .Ohio/OH
  040 .Oklahoma/OK
  041 .Oregon/OR
  042 .Pennsylvania/PA
  044 .Rhode Island/RI
  045 .South Carolina/SC
  046 .South Dakota/SD
  047 .Tennessee/TN
  048 .Texas/TX
049 .Utah/UT
050 .Vermont/VT
051 .Virginia/VA
053 .Washington/WA
054 .West Virginia/WV
055 .Wisconsin/WI
056 .Wyoming/WY
060 .American Samoa
066 .Guam
069 .Commonwealth of the Northern Mariana Islands
072 .Puerto Rico
078 .US Virgin Islands
100 .Albania
102 .Austria
103 .Belgium
104 .Bulgaria
105 .Czechoslovakia
106 .Denmark
108 .Finland
109 .France
110 .Germany
116 .Greece
117 .Hungary
118 .Iceland
119 .Ireland
120 .Italy
126 .Netherlands
127 .Norway
128 .Poland
129 .Portugal
130 .Azores Islands
132 .Romania
134 .Spain
136 .Sweden
137 .Switzerland
138 .United Kingdom, Not Specified
139 .England
140 .Scotland
142 .Northern Ireland (2017 or later)
147 .Yugoslavia
148 .Czech Republic
149 .Slovakia
150 .Bosnia and Herzegovina
151 .Croatia
152 .Macedonia
154 .Serbia
156 .Latvia
157 .Lithuania
158 .Armenia
159 .Azerbaijan
160 .Belarus
161 .Georgia
162 .Moldova
163 .Russia
164 .Ukraine
165 .USSR
166 .Europe (2017 or later)
167 .Kosovo (2017 or later)
168 .Montenegro
169 .Other Europe, Not Specified
200 .Afghanistan
202 .Bangladesh
203 .Bhutan
205 .Myanmar
206 .Cambodia
207 .China
208 .Cyprus (2016 or earlier)
209 .Hong Kong
210 .India
211 .Indonesia
212 .Iran
213 .Iraq
214 .Israel
215 .Japan
216 .Jordan
217 .Korea
218 .Kazakhstan
219 .Kyrgyzstan (2017 or later)
222 .Kuwait
223 .Laos
224 .Lebanon
226 .Malaysia
228 .Mongolia (2017 or later)
229 .Nepal
231 .Pakistan
233 .Philippines
235 .Saudi Arabia
236 .Singapore
238 .Sri Lanka
239 .Syria
240 .Taiwan
242 .Thailand
243 .Turkey
245 .United Arab Emirates
246 .Uzbekistan
247 .Vietnam
248 .Yemen
249 .Asia
253 .South Central Asia, Not Specified
254 .Other Asia, Not Specified
300 .Bermuda
301 .Canada
303 .Mexico
310 .Belize
311 .Costa Rica
312 .El Salvador
313 .Guatemala
314 .Honduras
315 .Nicaragua
316 .Panama
321 .Antigua and Barbuda
323 .Bahamas
324 .Barbados
327 .Cuba
328. Dominica
329. Dominican Republic
330. Grenada
332. Haiti
333. Jamaica
338. St. Kitts-Nevis (2017 or later)
339. St. Lucia
340. St. Vincent and the Grenadines
341. Trinidad and Tobago
343. West Indies
344. Caribbean, Not Specified
360. Argentina
361. Bolivia
362. Brazil
363. Chile
364. Colombia
365. Ecuador
368. Guyana
369. Paraguay
370. Peru
372. Uruguay
373. Venezuela
374. South America
399. Americas, Not Specified
400. Algeria
407. Cameroon
408. Cabo Verde
412. Congo
414. Egypt
416. Ethiopia
417. Eritrea
420. Gambia
421. Ghana
423. Guinea
425. Ivory Coast (2017 or later)
427. Kenya
429. Liberia
430. Libya
436. Morocco
440. Nigeria
442. Rwanda (2017 or later)
444. Senegal
447. Sierra Leone
448. Somalia
449. South Africa
451. Sudan
453. Tanzania
454. Togo
456. Tunisia (2017 or later)
457. Uganda
459. Democratic Republic of Congo (Zaire)
460. Zambia
461. Zimbabwe
462. Africa
463. South Sudan (2017 or later)
464. Northern Africa, Not Specified
467. Western Africa, Not Specified
468 .Other Africa, Not Specified  
469 .Eastern Africa, Not Specified  
501 .Australia  
508 .Fiji  
511 .Marshall Islands  
512 .Micronesia  
515 .New Zealand  
523 .Tonga  
527 .Samoa  
554 .Other US Island Areas, Oceania, Not Specified, or at Sea  

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

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

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

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

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

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

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

RAC2P Character  2
Recoded detailed race code
01 .White alone
02 .Black or African American alone
03 .Apache alone
04 .Blackfeet alone
05 .Cherokee alone
06 .Cheyenne alone
07 .Chickasaw alone
08 .Chippewa alone
09 .Choctaw alone
10 .Comanche alone
11 .Creek alone
12 .Crow alone
13 .Hopi alone
14 .Iroquois alone
15 .Lumbee alone
16 .Mexican American Indian alone
17 .Navajo alone
18 .Pima alone
19 .Potawatomi alone
20 .Pueblo alone
21 .Puget Sound Salish alone
22 .Seminole alone
23 .Sioux alone
24 .South American Indian alone
25 .Tohono O'Odham alone
26 .Yaqui alone
27 .Other specified American Indian tribes alone
28 .All other specified American Indian tribe combinations
29 .American Indian, tribe not specified
30 .Alaskan Athabascan alone
31 .Tlingit-Haida alone
32 .Inupiat alone
33 .Yup'ik alone
34 .Aleut alone
35 .Other Alaska Native
36 .Other American Indian and Alaska Native specified
37 .American Indian and Alaska Native, not specified
38 .Asian Indian alone
39 .Bangladeshi alone
40 .Bhutanese alone
41 .Burmese alone
42 .Cambodian alone
43 .Chinese, except Taiwanese, alone
44 .Taiwanese alone
45 .Filipino alone
46 .Hmong alone
47 .Indonesian alone
48 .Japanese alone
49 .Korean alone
50 .Laotian alone
51 .Malaysian alone
52 .Mongolian alone
53 .Nepalese alone
54 .Pakistani alone
55 .Sri Lankan alone
56 .Thai alone
57 .Vietnamese alone
58 .Other Asian alone
59 .All combinations of Asian races only
60 .Native Hawaiian alone
61 .Samoan alone
62 .Tongan alone
63 .Guamanian or Chamorro alone
64 .Marshallese alone
65 .Fijian alone
66 .Other Native Hawaiian and Other Pacific Islander
67 .Some Other Race alone
68 .Two or More Races

RAC3P Character 3
Recoded detailed race code
001 .White alone
002 .Black or African American alone
003 .American Indian and Alaska Native alone
004 .Asian Indian alone
005 .Chinese alone
006 .Filipino alone
007 .Japanese alone
008 .Korean alone
009 .Vietnamese alone
010 .Other Asian alone
011 .Native Hawaiian alone
012 .Guamanian or Chamorro alone
013 .Samoan alone
014 .Other Pacific Islander alone
015 .Some Other Race alone
016 .White; Black or African American
017 .White; American Indian and Alaska Native
018 .White; Asian Indian
019 .White; Chinese
020 .White; Filipino
021 .White; Japanese
022 .White; Korean
023 .White; Vietnamese
024 .White; Other Asian
025 .White; Native Hawaiian
026 .White; Guamanian or Chamorro
027 .White; Samoan
028 .White; Other Pacific Islander
029 .White; Some Other Race
030 .Black or African American; American Indian and Alaska Native
031 .Black or African American; Asian Indian
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</tbody>
</table>
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.White; American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups

.White; Chinese; Filipino; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

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.White; Filipino; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.White; Japanese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.White; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

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.Black or African American; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.American Indian and Alaska Native; Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.Asian Indian; and/or White; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.Chinese; Japanese; Native Hawaiian; and/or other Asian groups; and/or Native Hawaiian and Other Pacific Islander groups

.Chinese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.Filipino; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.Japanese; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.Korean; and/or Vietnamese; and/or Other Asian; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

.Native Hawaiian; and/or Pacific Islander groups; and/or Some Other Race

.White; and/or Black or African American; and/or American Indian and Alaska Native; and/or Asian groups; and/or Native Hawaiian and Other Pacific Islander groups; and/or Some Other Race

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

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

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

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

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

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

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

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

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

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

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

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

SOCP Character 6
Standard Occupational Classification (SOC) codes for 2018 and later based on 2018 SOC codes

b .N/A (less than 16 years old/NILF who last worked more than 5 years ago or never worked)
1110XX .MGR-Chief Executives And Legislators
112011 .MGR-Advertising And Promotions Managers
112021 .MGR-Marketing Managers
112022 .MGR-Sales Managers
112030 .MGR-Public Relations And Fundraising Managers
113012 .MGR-Administrative Services Managers
113013 .MGR-Facilities Managers
113021 .MGR-Computer And Information Systems Managers
113031 .MGR-Financial Managers
113111 .MGR-Compensation And Benefits Managers
113121 .MGR-Human Resources Managers
113131 .MGR-Training And Development Managers
113051 .MGR-Industrial Production Managers
113061 .MGR-Purchasing Managers
113071 .MGR-Transportation, Storage, And Distribution Managers
119013 .MGR-Farmers, Ranchers, And Other Agricultural Managers
119021 .MGR-Construction Managers
119030 .MGR-Education And Childcare Administrators
119041 .MGR-Architectural And Engineering Managers
119051 .MGR-Food Service Managers
119070 .MGR-Entertainment And Recreation Managers
119081 .MGR-Lodging Managers
119111 .MGR-Medical And Health Services Managers
119121 .MGR-Natural Sciences Managers
119141 .MGR-Property, Real Estate, And Community Association Managers
119151 .MGR-Social And Community Service Managers
119161 .MGR-Emergency Management Directors
1191XX .MGR-Other Managers
131011 .BUS-Agents And Business Managers Of Artists, Performers, And Athletes
131021 .BUS-Buyers And Purchasing Agents, Farm Products
131022 .BUS-Wholesale And Retail Buyers, Except Farm Products
131023 .BUS-Purchasing Agents, Except Wholesale, Retail, And Farm Products
131030 .BUS-Claims Adjusters, Appraisers, Examiners, And Investigators
131041 .BUS-Compliance Officers
131051 .BUS-Cost Estimators
131070 .BUS-Human Resources Workers
131081 .BUS-Logisticians
131082 .BUS-Project Management Specialists
131111 .BUS-Management Analysts
131121 .BUS-Meeting Convention, And Event Planners
131131 .BUS-Fundraisers
131141 .BUS-Compensation, Benefits, And Job Analysis Specialists
131151 .BUS-Training And Development Specialists
131161 .BUS-Market Research Analysts And Marketing Specialists
131199 .BUS-Business Operations Specialists, All Other
132011 .FIN-Accountants And Auditors
132020 .FIN-Property Appraisers And Assessors
132031 .FIN-Budget Analysts
132041 .FIN-Credit Analysts
132051 .FIN-Financial Analysts
132052 .FIN-Personal Financial Advisors
132053 .FIN-Insurance Underwriters
132061 .FIN-Financial Examiners
132070 .FIN-Credit Counselors And Loan Officers
132081 .FIN-Tax Examiners And Collectors, And Revenue Agents
132082 .FIN-Tax Preparers
1320XX .FIN-Other Financial Specialists
151221 .CMM-Computer And Information Research Scientists
151211 .CMM-Computer Systems Analysts
151212 .CMM-Information Security Analysts
151251 .CMM-Computer Programmers
151252 .CMM-Software Developers
151253 .CMM-Software Quality Assurance Analysts And Testers
151254 .CMM-Web Developers
151255 .CMM-Web And Digital Interface Designers
151230 .CMM-Computer Support Specialists
15124X .CMM-Database Administrators And Architects
151244 .CMM-Network And Computer Systems Administrators
151241 .CMM-Computer Network Architects
151299 .CMM-Computer Occupations, All Other
152011 .CMM-Actuaries
152031 .CMM-Operations Research Analysts
1520XX .CMM-Other Mathematical Science Occupations
171011 .ENG-Architects, Except Landscape And Naval
171012 .ENG-Landscape Architects
171020 .ENG-Surveyors, Cartographers, And Photogrammetrists
172011 .ENG-Aerospace Engineers
1720XX .ENG-Biomedical And Agricultural Engineers
172041 .ENG-Chemical Engineers
172051 .ENG-Civil Engineers
172061 .ENG-Computer Hardware Engineers
172070 .ENG-Electrical And Electronics Engineers
172081 .ENG-Environmental Engineers
172110 .ENG-Industrial Engineers, Including Health And Safety
172121 .ENG-Marine Engineers And Naval Architects
172131 .ENG-Materials Engineers
172141 .ENG-Mechanical Engineers
1721XX .ENG-Petroleum, Mining And Geological Engineers, Including Mining Safety Engineers
1721YY .ENG-Other Engineers
173011 .ENG-Architectural And Civil Drafters
17301X .ENG-Other Drafters
173023 .ENG-Electrical and Electronic Engineering Technologists And Technicians
17302X .ENG-Other Engineering Technologists And Technicians, Except Drafters
173031 .ENG-Surveying And Mapping Technicians
191010 .SCI-Agricultural And Food Scientists
191020 .SCI-Biological Scientists
191030 .SCI-Conservation Scientists And Foresters
1910XX .SCI-Medical Scientists, And Life Scientists, All Other
192010 .SCI-Astronomers And Physicists
192021 .SCI-Atmospheric And Space Scientists
192030 .SCI-Chemists And Materials Scientists
192041 .SCI-Environmental Scientists And Specialists, Including Health
19204X .Geoscientists And Hydrologists, Except Geographers
192099 .SCI-Physical Scientists, All Other
193011 .SCI-Economists
193033 .SCI-Clinical And Counseling Psychologists
193034 .SCI-School Psychologists
19303X .SCI-Other Psychologists
193051 .SCI-Urban And Regional Planners
1930XX .Other Social Scientists
194010 .SCI Agricultural And Food Science Technicians
194021 .SCI-Biological Technicians
194031 .SCI-Chemical Technicians
1940XX .SCI-Environmental Science And Geoscience Technicians, And Nuclear Technicians
1940YY .SCI-Other Life, Physical, And Social Science Technicians
195010 .SCI-Occupational Health And Safety Specialists And Technicians
211011 .CMS-Substance Abuse And Behavioral Disorder Counselors
211012 .CMS-Educational, Guidance, And Career Counselors And Advisors
211013 .CMS-Marriage And Family Therapists
211014 .CMS-Mental Health Counselors
211015 .CMS-Rehabilitation Counselors
211019 .CMS-Counselors, All Other
211021 .CMS-Child, Family, And School Social Workers
211022 .CMS-Healthcare Social Workers
211023 .CMS-Mental Health And Substance Abuse Social Workers
211029 .CMS-Social Workers All Other
211092 .CMS-Probation Officers And Correctional Treatment Specialists
211093 .CMS-Social And Human Service Assistants
21109X .CMS-Other Community And Social Service Specialists
212011 .CMS-Clergy
212021 .CMS-Directors, Religious Activities And Education
212099 .CMS-Religious Workers, All Other
2310XX .LGL-Lawyers, And Judges, Magistrates, And Other Judicial Workers
231012 .LGL-Judicial Law Clerks
232011 .LGL-Paralegals And Legal Assistants
291124 .MED-Radiation Therapists
291125 .MED-Recreational Therapists
291126 .MED-Respiratory Therapists
291127 .MED-Speech-Language Pathologists
29112X .MED-Other Therapists
291131 .MED-Veterinarians
291141 .MED-Registered Nurses
291151 .MED-Nurse Anesthetists
291181 .MED-Audiologists
2911XX .MED-Nurse Practitioners And Nurse Midwives
291291 .MED-Acupuncturists
291299 .MED-Healthcare Diagnosing Or Treating Practitioners, All .Other
292010 .MED-Clinical Laboratory Technologists And Technicians
291292 .MED-Dental Hygienists
292031 .MED-Cardiovascular Technologists And Technicians
292032 .MED-Diagnostic Medical Sonographers
292034 .MED-Radiologic Technologists And Technicians
292035 .MED-Magnetic Resonance Imaging Technologists
29203X .MED-Nuclear Medicine Technologists And Medical .Dosimetrists
292042 .MED-Emergency Medical Technicians
292043 .MED-Paramedics
292052 .MED-Pharmacy Technicians
292053 .MED-Psychiatric Technicians
292055 .MED-Surgical Technologists
292056 .MED-Veterinary Technologists And Technicians
29205X .MED-Dietetic Technicians And Ophthalmic Medical .Technicians
292061 .MED-Licensed Practical And Licensed Vocational Nurses
292072 .MED-Medical Records Specialists
292081 .MED-Opticians, Dispensing
292090 .MED-Miscellaneous Health Technologists And Technicians
299000 .MED-Other Healthcare Practitioners And Technical .Occupations
311121 .HLS-Home Health Aides
311122 .HLS-Personal Care Aides
311131 .HLS-Nursing Assistants
31113X .HLS-Orderlies And Psychiatric Aides
312010 .HLS-Occupational Therapy Assistants And Aides
312020 .HLS-Physical Therapist Assistants And Aides
319011 .HLS-Massage Therapists
319091 .HLS-Dental Assistants
319092 .HLS-Medical Assistants
319094 .HLS-Medical Transcriptionists
319095 .HLS-Pharmacy Aides
319096 .HLS-Veterinary Assistants And Laboratory Animal .Caretakers
319097 .HLS-Phlebotomists
31909X .HLS-Other Healthcare Support Workers
331011 .PRT-First-Line Supervisors Of Correctional Officers
331012 .PRT-First-Line Supervisors Of Police And Detectives
331021 .PRT-First-Line Supervisors Of Fire Fighting And .Prevention Workers
331090 .PRT-Miscellaneous First-Line Supervisors, Protective .Service Workers
332011 .PRT-Firefighters
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<td>.PRT-Correctional Officers And Jailers</td>
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<td>.PRT-Detectives And Criminal Investigators</td>
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<tr>
<td>3330XX</td>
<td>.PRT-Fish And Game Wardens And Parking Enforcement Officers</td>
</tr>
<tr>
<td>333050</td>
<td>.PRT-Police Officers</td>
</tr>
<tr>
<td>339011</td>
<td>.PRT-Animal Control Workers</td>
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<tr>
<td>339021</td>
<td>.PRT-Private Detectives And Investigators</td>
</tr>
<tr>
<td>339030</td>
<td>.PRT-Security Guards And Gaming Surveillance Officers</td>
</tr>
<tr>
<td>339091</td>
<td>.PRT-Crossing Guards And Flaggers</td>
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<tr>
<td>339093</td>
<td>.PRT-Transportation Security Screeners</td>
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<tr>
<td>33909X</td>
<td>.PRT-Other Protective Service Workers</td>
</tr>
<tr>
<td>351011</td>
<td>.EAT-Chefs And Head Cooks</td>
</tr>
<tr>
<td>351012</td>
<td>.EAT-First-Line Supervisors Of Food Preparation And Serving Workers</td>
</tr>
<tr>
<td>352010</td>
<td>.EAT-Cooks</td>
</tr>
<tr>
<td>352021</td>
<td>.EAT-Food Preparation Workers</td>
</tr>
<tr>
<td>353011</td>
<td>.EAT-First-Line Supervisors Of Housekeeping And Janitorial Workers</td>
</tr>
<tr>
<td>353021</td>
<td>.EAT-Bartenders</td>
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<tr>
<td>353023</td>
<td>.EAT-Fast Food And Counter Workers</td>
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<tr>
<td>353031</td>
<td>.EAT-Waiters And Waitresses</td>
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<tr>
<td>353041</td>
<td>.EAT-Food Servers, Nonrestaurant</td>
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<tr>
<td>359011</td>
<td>.EAT-Dining Room And Cafeteria Attendants And Bartender Helpers</td>
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<tr>
<td>359021</td>
<td>.EAT-Dishwashers</td>
</tr>
<tr>
<td>359031</td>
<td>.EAT-Hosts And Hostesses, Restaurant, Lounge, And Coffee Shop</td>
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<tr>
<td>359099</td>
<td>.EAT-Food Preparation And Serving Related Workers, All Other.</td>
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<tr>
<td>371011</td>
<td>.CLN-First-Line Supervisors Of Housekeeping And Janitorial Workers</td>
</tr>
<tr>
<td>371012</td>
<td>.CLN-First-Line Supervisors Of Landscaping, Lawn Service, And Groundskeeping Workers</td>
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<tr>
<td>37201X</td>
<td>.CLN-Janitors And Building Cleaners</td>
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<tr>
<td>372012</td>
<td>.CLN-Maids And Housekeeping Cleaners</td>
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<tr>
<td>372021</td>
<td>.CLN-Pest Control Workers</td>
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<tr>
<td>373011</td>
<td>.CLN-Landscaping And Groundskeeping Workers</td>
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<tr>
<td>373013</td>
<td>.CLN-Tree Trimmers And Pruners</td>
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<td>37301X</td>
<td>.CLN-Other Grounds Maintenance Workers</td>
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<tr>
<td>391000</td>
<td>.PRS-Supervisors of Personal Care And Service Workers</td>
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<tr>
<td>392011</td>
<td>.PRS-Animal Trainers</td>
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<td>392021</td>
<td>.PRS-Animal Caretakers</td>
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<td>.PRS-Gambling Services Workers</td>
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<td>393031</td>
<td>.PRS-Ushers, Lobby Attendants, And Ticket Takers</td>
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<tr>
<td>3930XX</td>
<td>.PRS-Other Entertainment Attendants And Related Workers</td>
</tr>
<tr>
<td>394031</td>
<td>.PRS-Morticians, Undertakers, And Funeral Arrangers</td>
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<tr>
<td>3940XX</td>
<td>.PRS-Embalmers, Crematory Operators, And Funeral Attendants</td>
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<tr>
<td>395011</td>
<td>.PRS-Barbers</td>
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<tr>
<td>395012</td>
<td>.PRS-Hairdressers, Hairstylists, And Cosmetologists</td>
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<tr>
<td>395092</td>
<td>.PRS-Manicurists and Pedicurists</td>
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<td>395094</td>
<td>.PRS-Skincare Specialists</td>
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<tr>
<td>39509X</td>
<td>.PRS-Other Personal Appearance Workers</td>
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<tr>
<td>396010</td>
<td>.PRS-Baggage Porters, Bellhops, And Concierges</td>
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<tr>
<td>397010</td>
<td>.PRS-Tour And Travel Guides</td>
</tr>
<tr>
<td>399011</td>
<td>.PRS-Childcare Workers</td>
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</tbody>
</table>
399031 .PRS-Exercise Trainers And Group Fitness Instructors
399032 .PRS-Recreation Workers
399041 .PRS-Residential Advisors
399099 .PRS-Personal Care And Service Workers, All Other
411011 .SAL-First-Line Supervisors Of Retail Sales Workers
411012 .SAL-First-Line Supervisors Of Non-Retail Sales Workers
412010 .SAL-Cashiers
412021 .SAL-Counter And Rental Clerks
412022 .SAL-Parts Salespersons
412031 .SAL-Retail Salespersons
413011 .SAL-Advertising Sales Agents
413021 .SAL-Insurance Sales Agents
413031 .SAL-Securities, Commodities, And Financial Services Sales Agents
413041 .SAL-Travel Agents
413091 .SAL-Sales Representatives Of Services, Except Advertising, Insurance, Financial Services, And Travel
414010 .SAL-Sales Representatives, Wholesale And Manufacturing
419010 .SAL-Models, Demonstrators, And Product Promoters
419020 .SAL-Real Estate Brokers And Sales Agents
419031 .SAL-Sales Engineers
419041 .SAL-Telemarketers
419091 .SAL-Door-To-Door Sales Workers, News And Street Vendors, And Related Workers
419099 .SAL-Sales And Related Workers, All Other
431011 .OFF-First-Line Supervisors Of Office And Administrative Support Workers
432011 .OFF-Switchboard Operators, Including Answering Service
432021 .OFF-Telephone Operators
432099 .OFF-Communications Equipment Operators, All Other
433011 .OFF-Bill And Account Collectors
433021 .OFF-Billing And Posting Clerks
433031 .OFF-Bookkeeping, Accounting, And Auditing Clerks
433051 .OFF-Payroll And Timekeeping Clerks
433061 .OFF-Procurement Clerks
433071 .OFF-Tellers
433XXX .OFF-Other Financial Clerks
434031 .OFF-Court, Municipal, And License Clerks
434041 .OFF-Credit Authorizers, Checkers, And Clerks
434051 .OFF-Customer Service Representatives
434061 .OFF-Eligibility Interviewers, Government Programs
434071 .OFF-File Clerks
434081 .OFF-Hotel, Motel, And Resort Desk Clerks
434111 .OFF-Interviewers, Except Eligibility And Loan
434121 .OFF-Library Assistants, Clerical
434131 .OFF-Loan Interviewers And Clerks
434141 .OFF-New Accounts Clerks
434XXX .OFF-Correspondence Clerks And Order Clerks
434161 .OFF-Human Resources Assistants, Except Payroll And Timekeeping
434171 .OFF-Receptionists And Information Clerks
434181 .OFF-Reservation And Transportation Ticket Agents And Travel Clerks
434YYY .OFF-Other Information And Records Clerks
435011 .OFF-Cargo And Freight Agents
435021 .OFF-Couriers And Messengers
435031 .OFF-Public Safety Telecommunicators
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435032 .OFF-Dispatchers, Except Police, Fire, And Ambulance
435041 .OFF-Meter Readers, Utilities
435051 .OFF-Postal Service Clerks
435052 .OFF-Postal Service Mail Carriers
435053 .OFF-Postal Service Mail Sorters, Processors, And Processing Machine Operators
435061 .OFF-Production, Planning, And Expediting Clerks
435071 .OFF-Shipping, Receiving, And Traffic Clerks
435111 .OFF-Weighers, Measurers, Checkers, And Samplers, Recordkeeping
436011 .OFF-Executive Secretaries And Executive Administrative Assistants
436012 .OFF-Legal Secretaries And Administrative Assistants
436013 .OFF-Medical Secretaries And Administrative Assistants
436014 .OFF-Secretaries And Administrative, Except Legal, Medical, And Executive
439021 .OFF-Data Entry Keyers
439022 .OFF-Word Processors And Typists
439041 .OFF-Insurance Claims And Policy Processing Clerks
439051 .OFF-Mail Clerks And Mail Machine Operators, Except Postal Service
439061 .OFF-Office Clerks, General
439071 .OFF-Office Machine Operators, Except Computer
439081 .OFF-Proofreaders And Copy Markers
439111 .OFF-Statistical Assistants
439XXX .OFF-Other Office And Administrative Support Workers
451011 .FFF-First-Line Supervisors Of Farming, Fishing, And Forestry Workers
452011 .FFF-Agricultural Inspectors
452041 .FFF-Graders And Sorters, Agricultural Products
4520XX .FFF-Other Agricultural Workers
453031 .FFF-Fishing And Hunting Workers
454011 .FFF-Forest And Conservation Workers
454020 .FFF-Logging Workers
471011 .CON-First-Line Supervisors Of Construction Trades And Extraction Workers
472011 .CON-Billermakers
472031 .CON-Carpenters
472040 .CON-Carpet, Floor, And Tile Installers And Finishers
472050 .CON-Cement Masons, Concrete Finishers, And Terrazzo Workers
472061 .CON-Construction Laborers
472070 .CON-Construction Equipment Operators
472080 .CON-Drywall Installers, Ceiling Tile Installers, And Tapers
472111 .CON-Electricians
472121 .CON-Glaziers
472130 .CON-Insulation Workers
472140 .CON-Painters And Paperhangers
472151 .CON-Pipelayers
472152 .CON-Plumbers, Pipefitters, And Steamfitters
472161 .CON-Plasterers And Stucco Masons
472181 .CON-Roofers
472211 .CON-Sheet Metal Workers
472221 .CON-Structural Iron And Steel Workers
472231 .CON-Solar Photovoltaic Installers
<table>
<thead>
<tr>
<th>Code</th>
<th>Occupation</th>
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<tbody>
<tr>
<td>472XXX</td>
<td>Brickmasons, Blockmasons, Stonemasons, And Reinforcing Iron And Rebar Workers</td>
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<tr>
<td>473010</td>
<td>CON-Helpers, Construction Trades</td>
</tr>
<tr>
<td>474011</td>
<td>CON-Construction And Building Inspectors</td>
</tr>
<tr>
<td>474021</td>
<td>CON-Elevator Installers And Repairers</td>
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<tr>
<td>474031</td>
<td>CON-Fence Erectors</td>
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<tr>
<td>474041</td>
<td>CON-Hazardous Materials Removal Workers</td>
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<tr>
<td>474051</td>
<td>CON-Highway Maintenance Workers</td>
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<tr>
<td>474061</td>
<td>CON-Rail-Track Laying And Maintenance Equipment Operators</td>
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<tr>
<td>4740XX</td>
<td>CON-Other Construction And Related Workers</td>
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<tr>
<td>4750YY</td>
<td>EXT-Derrick, Rotary Drill, And Service Unit Operators, And Roustabout, Oil, Gas, And Mining</td>
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<tr>
<td>475020</td>
<td>EXT-Surface Mining Machine Operators And Earth Drillers</td>
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<tr>
<td>475032</td>
<td>EXT-Explosives Workers, Ordnance Handling Experts, And Blasters</td>
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<tr>
<td>475040</td>
<td>EXT-Underground Mining Machine Operators</td>
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<td>4750XX</td>
<td>EXT-Other Extraction Workers</td>
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<tr>
<td>491011</td>
<td>RPR-First-Line Supervisors Of Mechanics, Installers, And Repairs</td>
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<tr>
<td>492011</td>
<td>RPR-Computer, Automated Teller, And Office Machine Repairs</td>
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<td>492020</td>
<td>RPR-Radio And Telecommunications Equipment Installers And Repairers</td>
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<tr>
<td>492091</td>
<td>RPR-Avionics Technicians</td>
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<tr>
<td>492092</td>
<td>RPR-Electric Motor, Power Tool, And Related Repairers</td>
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<tr>
<td>49209X</td>
<td>RPR-Other Electrical And Electronic Equipment Mechanics, Installers, And Repairers</td>
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<td>492097</td>
<td>RPR-Electronic Home Entertainment Equipment Installers And Repairers</td>
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<td>492098</td>
<td>RPR-Security And Fire Alarm Systems Installers</td>
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<tr>
<td>493011</td>
<td>RPR-Aircraft Mechanics And Service Technicians</td>
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<td>493021</td>
<td>RPR-Automotive Body And Related Repairers</td>
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<tr>
<td>493022</td>
<td>RPR-Automotive Glass Installers And Repairers</td>
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<tr>
<td>493023</td>
<td>RPR-Automotive Service Technicians And Mechanics</td>
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<td>493031</td>
<td>RPR-Bus And Truck Mechanics And Diesel Engine Specialists</td>
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<td>493040</td>
<td>RPR-Heavy Vehicle And Mobile Equipment Service Technicians And Mechanics</td>
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<td>RPR-Small Engine Mechanics</td>
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<td>493090</td>
<td>RPR-Miscellaneous Vehicle And Mobile Equipment Mechanics, Installers, And Repairers</td>
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<td>499010</td>
<td>RPR-Control And Valve Installers And Repairers</td>
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<td>499021</td>
<td>RPR-Heating, Air Conditioning, And Refrigeration Mechanics And Installers</td>
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<td>499031</td>
<td>RPR-Home Appliance Repairers</td>
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<td>49904X</td>
<td>RPR-Industrial And Refractory Machinery Mechanics</td>
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<td>499043</td>
<td>RPR-Maintenance Workers, Machinery</td>
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<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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<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>499096</td>
<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>Code</td>
<td>Description</td>
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<td>4990X</td>
<td>.RPR-Other Installation, Maintenance, And Repair Workers</td>
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<td>51011</td>
<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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<tr>
<td>51202</td>
<td>.PRD-Structural Metal Fabricators And Fitters</td>
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<tr>
<td>5120X</td>
<td>.PRD-Other Assemblers and Fabricators</td>
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<tr>
<td>51301</td>
<td>.PRD-Bakers</td>
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<tr>
<td>51302</td>
<td>.PRD-Butchers And Other Meat, Poultry, And Fish Processing Workers</td>
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<tr>
<td>51309</td>
<td>.PRD-Food And Tobacco Roasting, Baking, And Drying Machine Operators And Tenders</td>
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<td>51309</td>
<td>.PRD-Other batchmakers</td>
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<td>51309</td>
<td>.PRD-Food Cooking Machine Operators And Tenders</td>
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<td>51399</td>
<td>.PRD-Food Processing Workers, All Other</td>
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<tr>
<td>51901</td>
<td>.PRD-Computer Numerically Controlled Tool Operators And Programmers</td>
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<tr>
<td>51400</td>
<td>.PRD-Forming Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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<tr>
<td>51401</td>
<td>.PRD-Cutting, Punching, And Press Machine Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>51403</td>
<td>.PRD-Grinding, Lapping, Polishing, And Buffing Machine Tool Setters, Operators, And Tenders, Metal and Plastic</td>
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<td>.PRD-Other Machine Tool Setters, Operators, And Tenders, Metal And Plastic</td>
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<td>51401</td>
<td>.PRD-Machinists</td>
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<td>.PRD-Metal Furnace Operators, Tenders, Pourers, And Casters</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>51511</td>
<td>.PRD-Press Technicians And Workers</td>
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<td>.PRD-Laundry And Dry-Cleaning Workers</td>
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<td>51602</td>
<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-Tailors, Dressmakers, And Sewers</td>
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<td>51606</td>
<td>.PRD-Textile Machine Setters, Operators, And Tenders</td>
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<td>.PRD-Upholsterers</td>
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<td>.PRD-Other Textile, Apparel, And Furnishing Workers</td>
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<td>.PRD-Cabinetmakers And Bench Carpenters</td>
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<td>51702</td>
<td>.PRD-Furniture Finishers</td>
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<td>51704</td>
<td>.PRD-Sawing Machine Setters, Operators, And Tenders, Wood</td>
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<td>51704</td>
<td>.PRD-Woodworking Machine Setters, Operators, And Tenders, Except Sawing</td>
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<td>.PRD-Other Woodworkers</td>
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<tr>
<td>51801</td>
<td>.PRD-Power Plant Operators, Distributors, And Dispatchers</td>
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<td>51802</td>
<td>.PRD-Stationary Engineers And Boiler Operators</td>
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<td>51803</td>
<td>.PRD-Water And Wastewater Treatment Plant And System Operators</td>
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<td>.PRD-Miscellaneous Plant And System Operators</td>
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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
  03 .Gulf War: 9/2001 or later and Gulf War: 8/1990 - 8/2001 and
 .Vietnam Era
  06 .Vietnam Era
  07 .Vietnam Era and Korean War
  08 .Vietnam Era, Korean War, and WWII
  09 .Korean War
  10 .Korean War and WWII
  11 .WWII
  12 .Between Gulf War and Vietnam Era only
  13 .Between Vietnam Era and Korean War only
  14 .Between Korean War and World War II only
  15 .Pre-WWII only

WAOB Character 1
World area of birth
  1 .US state (POB = 001-059)
  2 .PR and US Island Areas (POB = 061-099, also includes POB=060
 .for 2017 or earlier)
  3 .Latin America (POB = 303,310-399)
  4 .Asia (POB = 158-159,161,200-299)
  5 .Europe (POB = 100-157,160,162-199)
  6 .Africa (POB = 400-499)
  7 .Northern America (POB = 300-302,304-309)
  8 .Oceania and at Sea (POB = 500-554, also includes POB=060 for
 .2018 or later)

PERSON RECORD-ALLOCATION FLAGS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

FHINS2P  Character  1
Insurance purchased directly from an insurance company allocation flag
0  .No
1  .Yes
FHINS3C  Character  1
Medicare coverage given through the eligibility coverage edit
b .Does not have Medicare coverage (HINS3=2)
  0 .No
  1 .Yes

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

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

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

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

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

FHINS6P  Character  1
VA (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 other than English spoken at home allocation flag
0 .No
1 .Yes

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

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

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

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

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

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

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

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

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

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

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

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

FRACP  Character  1
Detailed race allocation flag
  0 .No
  1 .Yes

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

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

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

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

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

FSEMP  Character  1
Self-employment income allocation flag
  0 .No
  1 .Yes
**PERSON RECORD-REPLICATE WEIGHTS**

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Person Weight replicate 20  
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PWGTP21  Numeric  5  
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Person Weight replicate 22  
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PWGTP23  Numeric  5  
Person Weight replicate 23  
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PWGTP24  Numeric  5  
Person Weight replicate 24  
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PWGTP25  Numeric  5  
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PWGTP26  Numeric  5  
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Person Weight replicate 28  
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PWGTP29  Numeric  5  
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Person Weight replicate 34
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Person Weight replicate 35
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Person Weight replicate 44
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Person Weight replicate 46
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Person Weight replicate 47
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PWGTP48  Numeric  5
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Person Weight replicate 50
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Person Weight replicate 65
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Person Weight replicate 69
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Person Weight replicate 71
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