

2018 Microdata Detail File Specification

Version 3.1.4

October 10, 2018

DRAFT --- PRE-DECISIONAL  
NOT FOR DISTRIBUTION OUTSIDE OF THE CENSUS BUREAU

*This page intentionally left blank*

**Document Approval**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Karen Battle Date Signed

Division Chief Population Division

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

David Waddington Date Signed

Division Chief, Social, Economic, and

Housing Statistics Division (SEHSD)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Jason Devine Date Signed

ADC Census Programs Area,

Population Division

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Roberto Ramirez Date Signed

ADC Special Population Statistics,

Population Division

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Edward Welniak Date Signed

ADC Housing Characteristics, Social,

Economic, and Housing Statistics

Division

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Stephanie Galvin Date Signed

ADC Social Characteristics, Social,

Economic, and Housing Statistics

Division

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Colleen Keating Date Signed

Chief Decennial Programs Branch,

Population Division

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C Peter Borsella Date Signed

Decennial Programs Branch, Population

Division

**Document Revision History**

| **REV** | **DESCRIPTION** | **DATE** | **CR ID** |
| --- | --- | --- | --- |
| 1.0 | Initial Draft | 6/30/2017 |  |
| 1.2 | Revised by CDAR | 7/21/2017 |  |
| 1.3 | Revised by CDAR | 7/24/2017 |  |
| 1.4 | Revised by POP | 8/3/2017 |  |
| 2.0 | Comments from POP-SEHSD Final Review | 8/31/2017 |  |
| 2.1 | Revised by CDAR | 9/3/2017 |  |
| 2.2 | Revised by POP | 10/25/17 |  |
| 2.4 | Revised by POP | 4/11/2018 |  |
| 2.4.2 | Revised by ADRM to correct language for 2018 End-to-End | 5/22/2018 |  |
| 2.4.3 | Revised by POP (QREL reversion, MENA deletion) | 6/6/2018 |  |
| 3.0.0 | Major revisions by POP after recode evaluation requested by CDAR | 7/5/2018 |  |
| 3.1.0 | Removal of OIDTABBLK and minor revisions after CDAR review | 8/30/2018 |  |
| 3.1.2 | Added back in metadata for each tables necessary for automated processing. | 9/7/2018 |  |
| 3.1.4 | Minor revisions by POP after review. IMPRACE removed. | 10/10/2018 |  |

**Points of Contact**

| **ROLE** | **RESPONSIBILITY** | **NAME** | **Phone**  **Email** | **DIVISION** |
| --- | --- | --- | --- | --- |
| Chief Decennial Program Branch | Demographics | Colleen Keating | 301-763-9483  [colleen.hughes.keating@census.gov](mailto:colleen.hughes.keating@census.gov) | POP |
| Decennial Program Branch | Demographics | C Peter Borsella | 301-763-4966  c.peter.borsella@census.gov | POP |

**Key Stakeholders**

| **STAKEHOLDER NAME** | **IMPACT** | **INFLUENCE** |
| --- | --- | --- |
| POP/SEHSD SMEs | High | High |
| GEO | Medium | High |
| ACSO | Medium | Medium |
| CDAR | High | High |
| DITD | Medium | Medium |
| DCMD | Medium | Medium |

Table of Contents

[1 Introduction 7](#_Toc522871427)

[2 Purpose 7](#_Toc522871428)

[2.1 In Scope 7](#_Toc522871429)

[2.2 Out of Scope 7](#_Toc522871430)

[3 Security 7](#_Toc522871431)

[4 Assumptions, Dependencies, and Constraints 7](#_Toc522871432)

[4.1 Assumptions 7](#_Toc522871433)

[4.2 Dependencies 7](#_Toc522871434)

[4.3 Constraints 7](#_Toc522871435)

[5 Inputs 8](#_Toc522871436)

[6 Outputs 8](#_Toc522871437)

[6.1 Production Output 8](#_Toc522871438)

[6.2 Validation Output 8](#_Toc522871439)

[7 Glossary and Conventions used in Record Layouts 9](#_Toc522871440)

[8 Record Layouts 10](#_Toc522871441)

[8.1 MDF.Person 10](#_Toc522871442)

[8.2 MDF.Unit 14](#_Toc522871443)

[9 Traceability Matrix 21](#_Toc522871444)

[10 Contact Persons 21](#_Toc522871445)

[11 Acronyms 21](#_Toc522871446)

# Introduction

This is a specification for creating the Microdata Detail File (MDF), which will be used to create 2018 Data Products.

# Purpose

The purpose of this document is to give Decennial Census Management Division (DCMD), Census Disclosure Avoidance Research (CDAR), and Decennial Information Technology Division (DITD) the specifications needed to create the Microdata Detail File. This specification contains the Record Layouts for the two sections of the MDF.

## In Scope

The Census Edited File (CEF).

## Out of Scope

N/A

# Security

MDF will be non-Title 13.

# Assumptions, Dependencies, and Constraints

## Assumptions

* Center for Disclosure Avoidance Research (CDAR) will not have issues completing the creation of the MDF.
* The MDF specification will allow Census Subject Matter Experts to use the MDF as needed.
* The MDF will only contain variables required for tabulation. Recoded variables will be created by the Tabulations staff as part of the Tab-MDF. However, many recodes from the Unit file have been kept in this specification, due to the uncertainty of whether the Person and Unit files will be able to be linked.

## Dependencies

* CDAR

## Constraints

* New methodologies proposed by CDAR.

# Inputs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Title** | **Data File Name** | **Layout File Name** | **Source**  **(Division/System)** | **Frequency** | **Delivery Date** |
| Census Edited File (CEF) | TBD |  |  |  |  |
| Disclosure Avoidance System | TBD |  |  |  |  |

# Outputs

## Production Output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Title** | **Data File Name** | **Layout File Name** | **Destination**  **(Division/System)** | **Frequency** | **Delivery Date** |
| 2018 Microdata Detailed File (MDF) | TBD |  |  |  |  |

## Validation Output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Data Title** | **Data File Name** | **Layout File Name** | **Destination**  **(Division/System)** | **Frequency** | **Delivery Date** |
| MDF Final Review | TBD |  |  |  |  |

# Glossary and Conventions used in Record Layouts

| **Terminology** | **Definition** |
| --- | --- |
| CENHISP | A recode of the eight edited Hispanic origin codes into 2 values representing Hispanic and not Hispanic. |
| CENRACE | A recode of the eight edited race codes into a single 2-digit code representing one of 63 race group categories. |
| CHAR(#) | A fixed-width field of # characters long.  **CHAR is used for numbers if the numbers are not used for mathematical operations. CHAR is used for zero-filled numbers.** |
| Disclosure Avoidance (DA)  (yellow background) | Items noted with Disclosure Avoidance (DA) and displayed with a yellow background have undergone disclosure avoidance in accordance with DSEP policy. |
| FINAL\_POP | Final Population Count from the CUF – includes count imputation. |
| Linkage Variable | A variable that links between two tables. |
| INT(#) | An Integer up to # characters wide. Not zero-filled. |
| Not Reported  (orange background) | Items noted as Not Reported and displayed with an orange background represent data that are planned to be included in the 2020 MDF but are not present in the 2018 MDF due to policy or procedural reasons. |
| Pipe delimited | A “pipe-delimited” file is a text file in Unicode UTF-8 encoding in which each field is separated by the Unicode Character “VERTICAL LINE” (U+007C) (e.g. “|”) also known as the “pipe” character from its use in Unix pipelines. |
| QAGE | Edited Age as defined in the 2018 Edits and Characteristics Imputation Specification. |
| QRACEX | Edited Race Groups as defined in the 2018 Edits and Characteristics Imputation Specification. |
| QREL | Edited Relationships as defined in the 2018 Edits and Characteristics Imputation Specification. |
| QSEX | Edited Sex as defined in the 2018 Edits and Characteristics Imputation Specification. |
| Recode | A recode is a new variable that is created by combining or collapsing the value categories of an existing variable. |
| Protected recode  (sand background) | A protected recode is a new variable created from **existing** **protected** variables. |
| RTYPE | Record Type. |
| TEN | Edited Tenure. |

# Record Layouts

## MDF.Person

Microdata Detail File (MDF) Person Data.

Data will be pipe-delimited.

This table links to MDF.Unit using the EUID linkage variable.

This table links to GRF-C using the TABBLKST, TABBLKCOU, TABTRACTCE, TABBLKGRPCE, and TABBLK linkage variables.

| ***MDF.Person*** | | | | |
| --- | --- | --- | --- | --- |
| ***#*** | ***Name*** | ***Label*** | ***Type*** | ***Values*** |
| 1 | **SCHEMA\_TYPE\_CODE** | Schema Type Code | CHAR(5) | MPD |
| 2 | **SCHEMA\_BUILD\_ID** | Schema Build ID | CHAR(5) | 3.1.4 |
| 3 | **TABBLKST** | 2018 Tabulation State (FIPS) | CHAR(2) | 01-02 |
| 04-06 |
| 08-13 |
| 15-42 |
| 44-51 |
| 53-56 |
| 72 |
| 4 | **TABBLKCOU** | 2018 Tabulation County (FIPS) | CHAR(3) | 001-840 |
| 5 | **TABTRACTCE** | 2018 Tabulation Census Tract | CHAR(6) | 000100-998999 |
| 6 | **TABBLKGRPCE** | 2018 Census Block Group | CHAR(1) | 0-9 |
| 7 | **TABBLK** | 2018 Block Number | CHAR(4) | 0001-9999 |
| 8 | **EUID** | Privacy Edited Unit ID | INT(9) | 0-999999999 |
| 9 | **EPNUM** | Privacy Edited Person Number | INT(5) | 0-99999 |
| Note: For households, EPNUM = 1 assigned to the householder (QREL = 01) |
| 10 | **RTYPE** | Record Type | CHAR(1) | 3 = Person in housing unit |
| 5 = Person in group quarters |
| 11 | **QREL** | Edited Relationship | CHAR(2) | 01 = Householder |
| 02 = Opposite-sex husband/wife/spouse |
| 03 = Opposite-sex unmarried partner |
| 04 = Same-sex husband/wife/spouse |
| 05 = Same-sex unmarried partner |
| 06 = Biological son/daughter |
| 07 = Adopted son/daughter |
| 08 = Stepson/stepdaughter |
| 09 = Brother/sister |
| 10 = Father/mother |
| 11 = Grandchild |
| 12 = Parent-in-law |
| 13 = Son-in-law/daughter-in-law |
| 14 = Other relative |
| 15 = Housemate/roommate |
| 16 = Foster child |
| 17 = Other nonrelative |
| 18 = Institutional Group Quarters Person |
| 19 = Non-institutional Group Quarters Person |
| 99 = Not reported in 2018 End-to-End |
| 12 | **QSEX** | Edited Sex | CHAR(1) | 1 = Male |
| 2 = Female |
| 9 = Not reported in 2018 End-to-End |
| 13 | **QAGE** | Edited Age | INT(3) | 0-115 |
| Note: For 2018 End-to-End QAGE = 17 assigned to minors, and QAGE = 18 assigned to voting age persons |
| 14 | **CENHISP** | Hispanic Origin | CHAR(1) | 1 = Not Hispanic |
| 2 = Hispanic |
| 15 | **CENRACE** | Census Race | CHAR(2) | 01 = White alone |
| 02 = Black alone |
| 03 = AIAN alone |
| 04 = Asian alone |
| 05 = NHPI alone |
| 06 = SOR alone |
| 07 = White; Black |
| 08 = White; AIAN |
| 09 = White; Asian |
| 10 = White; NHPI |
| 11 = White; SOR |
| 12 = Black; AIAN |
| 13 = Black; Asian |
| 14 = Black; NHPI |
| 15 = Black; SOR |
| 16 = AIAN; Asian |
| 17 = AIAN; NHPI |
| 18 = AIAN; SOR |
| 19 = Asian; NHPI |
| 20 = Asian; SOR |
| 21 = NHPI; SOR |
| 22 = White; Black; AIAN |
| 23 = White; Black; Asian |
| 24 = White; Black; NHPI |
| 25 = White; Black; SOR |
| 26 = White; AIAN; Asian |
| 27 = White; AIAN; NHPI |
| 28 = White; AIAN; SOR |
| 29 = White; Asian; NHPI |
| 30 = White; Asian; SOR |
| 31 = White; NHPI; SOR |
| 32 = Black; AIAN; Asian |
| 33 = Black; AIAN; NHPI |
| 34 = Black; AIAN; SOR |
| 35 = Black; Asian; NHPI |
| 36 = Black; Asian; SOR |
| 37 = Black; NHPI; SOR |
| 38 = AIAN; Asian; NHPI |
| 39 = AIAN; Asian; SOR |
| 40 = AIAN; NHPI; SOR |
| 41 = Asian; NHPI; SOR |
| 42 = White; Black; AIAN; Asian |
| 43 = White; Black; AIAN; NHPI |
| 44 = White; Black; AIAN; SOR |
| 45 = White; Black; Asian; NHPI |
| 46 = White; Black; Asian; SOR |
| 47 = White; Black; NHPI; SOR |
| 48 = White; AIAN; Asian; NHPI |
| 49 = White; AIAN; Asian; SOR |
| 50 = White; AIAN; NHPI; SOR |
| 51 = White; Asian; NHPI; SOR |
| 52 = Black; AIAN; Asian; NHPI |
| 53 = Black; AIAN; Asian; SOR |
| 54 = Black; AIAN; NHPI; SOR |
| 55 = Black; Asian; NHPI; SOR |
| 56 = AIAN; Asian; NHPI; SOR |
| 57 = White; Black; AIAN; Asian; NHPI |
| 58 = White; Black; AIAN; Asian; SOR |
| 59 = White; Black; AIAN; NHPI; SOR |
| 60 = White; Black; Asian; NHPI; SOR |
| 61 = White; AIAN; Asian; NHPI; SOR |
| 62 = Black; AIAN; Asian; NHPI; SOR |
| 63 = White; Black; AIAN; Asian; NHPI; SOR |
| 16 | **QSPANX** | Edited Hispanic Origin Group | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 17 | **QRACE1** | Edited Detailed Race 1 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 18 | **QRACE2** | Edited Detailed Race 2 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 19 | **QRACE3** | Edited Detailed Race 3 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 20 | **QRACE4** | Edited Detailed Race 4 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 21 | **QRACE5** | Edited Detailed Race 5 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 22 | **QRACE6** | Edited Detailed Race 6 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 23 | **QRACE7** | Edited Detailed Race 7 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 24 | **QRACE8** | Edited Detailed Race 8 | CHAR(4) | 9999 = Not reported in 2018 End-to-End |
| 25 | **CIT** | Citizenship | CHAR(1) | 9 = Not reported in 2018 End-to-End |

## MDF.Unit

Microdata Detail File (MDF) Unit Data.

Data will be pipe-delimited.

This table links to MDF.Person using the EUID linkage variable.

This table links to GRF-C using the TABBLKST, TABBLKCOU, TABTRACTCE, TABBLKGRPCE, and TABBLK linkage variables.

| ***MDF.Unit*** | | | | |
| --- | --- | --- | --- | --- |
| ***#*** | ***Name*** | ***Label*** | ***Type*** | ***Values*** |
| 1 | **SCHEMA\_TYPE\_CODE** | Schema Type Code | CHAR(5) | MUD |
| 2 | **SCHEMA\_BUILD\_ID** | Schema Build ID | CHAR(5) | 3.1.4 |
| 3 | **TABBLKST** | 2018 Tabulation State (FIPS) | CHAR(2) | 01-02 |
| 04-06 |
| 08-13 |
| 15-42 |
| 44-51 |
| 53-56 |
| 72 |
| 4 | **TABBLKCOU** | 2018 Tabulation County (FIPS) | CHAR(3) | 001-840 |
| 5 | **TABTRACTCE** | 2018 Tabulation Census Tract | CHAR(6) | 000100-998999 |
| 6 | **TABBLKGRPCE** | 2018 Census Block Group | CHAR(1) | 0-9 |
| 7 | **TABBLK** | 2018 Block Number | CHAR(4) | 0001-9999 |
| 8 | **EUID** | Privacy Edited Unit ID | INT(9) | 0-999999999 |
| 9 | **RTYPE** | Record Type | CHAR(1) | 2 = Housing unit |
| 4 = Group quarters |
| 10 | **GQTYPE** | Group Quarters Type | CHAR(3) | 000 = NIU |
| 101 = Federal detention centers |
| 102 = Federal prisons |
| 103 = State prisons |
| 104 = Local jails and other municipal confinement facilities |
| 105 = Correctional residential facilities |
| 106 = Military disciplinary barracks and jails |
| 201 = Group homes for juveniles (non-correctional) |
| 202 = Residential treatment centers for juveniles (non-correctional) |
| 203 = Correctional facilities intended for juveniles |
| 301 = Nursing facilities/skilled nursing facilities |
| 401 = Mental (psychiatric) hospitals and psychiatric units in other hospitals |
| 402 = Hospitals with patients who have no usual home elsewhere |
| 403 = In-patient hospice facilities |
| 404 = Military treatment facilities with assigned patients |
| 405 = Residential schools for people with disabilities |
| 501 = College/university student housing (college/university owned/leased/managed) |
| 502 = College/univeristy housing (privately owned/leased/managed) |
| 601 = Military quarters |
| 602 = Military ships |
| 701 = Emergency and transitional shelters (with sleeping facilities) for people experiencing homelessness |
| 702 = Soup kitchens |
| 704 = Regulary scheduled mobile food vans |
| 706 = Targeted non-sheltered outdoor locations |
| 801 = Group homes intended for adults |
| 802 = Residential treatment centers for adults |
| 900 = Maritime/merchant vessels |
| 901 = Workers' group living quarters and job corps centers |
| 903 = Living quarters for victims of natural disasters |
| 904 = Religious group quarters and domestic violence shelters |
| Note: For 2018 End-to-End, values will be assigned as follows:   * 000 = NIU * 101 = 101..106 * 201 = 201..203 * 301 = 301 * 401 = 401..405 * 501 = 501..502 * 601 = 601..602 * 701 = 701..706, 801..802, 900..904 |
| 11 | **TEN** | Tenure | CHAR(1) | 0 = NIU |
| 1 = Owned with a mortgage |
| 2 = Owned free and clear |
| 3 = Rented |
| 4 = Occupied without payment of rent |
| 9 = Occupied unit in 2018 End-to-End |
| 12 | **VACS** | Vacancy Status | CHAR(1) | 0 = NIU |
| 1 = Vacant, for rent |
| 2 = Vacant, rented, not occupied |
| 3 = Vacant, for sale only |
| 4 = Vacant, sold, not occupied |
| 5 = Vacant, for seasonal, recreational, or occasional use |
| 6 = Vacant, for migrant workers |
| 7 = Vacant, other |
| 9 = Vacant unit in 2018 End-to-End |
| 13 | **FINAL\_POP** | Population Count | INT(5) | 0-99999 |
| 14 | **HHT** | Household/Family Type | CHAR(1) | 0 = NIU |
| 1 = Married couple household |
| 2 = Other family household: Male householder |
| 3 = Other family household: Female householder |
| 4 = Nonfamily household: Male householder, living alone |
| 5 = Nonfamily household: Male householder, not living alone |
| 6 = Nonfamily household: Female household, living alone |
| 7 = Nonfamily household: Female household, not living alone |
| 9 = Not reported in 2018 End-to-End |
| 15 | **HHT2** | Household/Family Type (NEW) | CHAR(2) | 00 = NIU |
| 01 = Married couple household: With own children < 18 |
| 02 = Married couple household: No own children < 18 |
| 03 = Cohabiting couple household: With own children < 18 |
| 04 = Cohabiting couple household: No own children < 18 |
| 05 = Female householder, no spouse/partner present: Living alone |
| 06 = Female householder, no spouse/partner present: With own children < 18 |
| 07 = Female householder, no spouse/partner present: With relatives, no own children < 18 |
| 08 = Female householder, no spouse/partner present: Only nonrelatives present |
| 09 = Male householder, no spouse/partner present: Living alone |
| 10 = Male householder, no spouse/partner present: With own children < 18 |
| 11 = Male householder, no spouse/partner present: With relatives, no own children < 18 |
| 12 = Male householder, no spouse/partner present: Only nonrelatives present |
| 99 = Not reported in 2018 End-to-End |
| 16 | **NPF** | Number of People in Family | INT(2) | 0 = NIU |
| 2-97 |
| 99 = Not reported in 2018 End-to-End |
| 17 | **CPLT** | Couple Type | CHAR(1) | 0 = NIU |
| 1 = Opposite-sex husband/wife/spouse household |
| 2 = Same-sex husband/wife/spouse household |
| 3 = Opposite-sex unmarried partner household |
| 4 = Same-sex unmarried partner household |
| 9 = Not reported in 2018 End-to-End |
| 18 | **UPART** | Presence and Type of Unmarried Partner Household | CHAR(1) | 0 = NIU |
| 1 = Male householder and male partner |
| 2 = Male householder and female partner |
| 3 = Female householder and female partner |
| 4 = Female householder and male partner |
| 5 = All other households |
| 9 = Not reported in 2018 End-to-End |
| 19 | **MULTG** | Multigenerational Household | CHAR(1) | 0 = NIU |
| 1 = Not a multigenerational household |
| 2 = Yes, a multigenerational household |
| 9 = Not reported in 2018 End-to-End |
| 20 | **HHLDRAGE** | Age of Householder | INT(3) | 0 = NIU |
| 15-115 |
| 999 = Not reported in 2018 End-to-End |
| 21 | **HHSPAN** | Hispanic Householder | CHAR(1) | 0 = NIU |
| 1 = Not Hispanic |
| 2 = Hispanic |
| 9 = Not reported in 2018 End-to-End |
| 22 | **HHRACE** | Race of Householder | CHAR(2) | 00 = NIU |
| 01 = White alone |
| 02 = Black alone |
| 03 = AIAN alone |
| 04 = Asian alone |
| 05 = NHPI alone |
| 06 = SOR alone |
| 07 = White; Black |
| 08 = White; AIAN |
| 09 = White; Asian |
| 10 = White; NHPI |
| 11 = White; SOR |
| 12 = Black; AIAN |
| 13 = Black; Asian |
| 14 = Black; NHPI |
| 15 = Black; SOR |
| 16 = AIAN; Asian |
| 17 = AIAN; NHPI |
| 18 = AIAN; SOR |
| 19 = Asian; NHPI |
| 20 = Asian; SOR |
| 21 = NHPI; SOR |
| 22 = White; Black; AIAN |
| 23 = White; Black; Asian |
| 24 = White; Black; NHPI |
| 25 = White; Black; SOR |
| 26 = White; AIAN; Asian |
| 27 = White; AIAN; NHPI |
| 28 = White; AIAN; SOR |
| 29 = White; Asian; NHPI |
| 30 = White; Asian; SOR |
| 31 = White; NHPI; SOR |
| 32 = Black; AIAN; Asian |
| 33 = Black; AIAN; NHPI |
| 34 = Black; AIAN; SOR |
| 35 = Black; Asian; NHPI |
| 36 = Black; Asian; SOR |
| 37 = Black; NHPI; SOR |
| 38 = AIAN; Asian; NHPI |
| 39 = AIAN; Asian; SOR |
| 40 = AIAN; NHPI; SOR |
| 41 = Asian; NHPI; SOR |
| 42 = White; Black; AIAN; Asian |
| 43 = White; Black; AIAN; NHPI |
| 44 = White; Black; AIAN; SOR |
| 45 = White; Black; Asian; NHPI |
| 46 = White; Black; Asian; SOR |
| 47 = White; Black; NHPI; SOR |
| 48 = White; AIAN; Asian; NHPI |
| 49 = White; AIAN; Asian; SOR |
| 50 = White; AIAN; NHPI; SOR |
| 51 = White; Asian; NHPI; SOR |
| 52 = Black; AIAN; Asian; NHPI |
| 53 = Black; AIAN; Asian; SOR |
| 54 = Black; AIAN; NHPI; SOR |
| 55 = Black; Asian; NHPI; SOR |
| 56 = AIAN; Asian; NHPI; SOR |
| 57 = White; Black; AIAN; Asian; NHPI |
| 58 = White; Black; AIAN; Asian; SOR |
| 59 = White; Black; AIAN; NHPI; SOR |
| 60 = White; Black; Asian; NHPI; SOR |
| 61 = White; AIAN; Asian; NHPI; SOR |
| 62 = Black; AIAN; Asian; NHPI; SOR |
| 63 = White; Black; AIAN; Asian; NHPI; SOR |
| 99 = Not reported in 2018 End-to-End |
| 23 | **PAOC** | Presence and Age of Own Children Under 18 | CHAR(1) | 0 = NIU |
| 1 = With own children under 6 year only |
| 2 = With own children 6-17 years only |
| 3 = With own children under 6 years and 6-17 years |
| 4 = No own children |
| 9 = Not reported in 2018 End-to-End |
| 24 | **P18** | Number of People Under 18 Years in Household | INT(2) | 0 = NIU |
| 1-97 |
| 99 = Not reported in 2018 End-to-End |
| 25 | **P60** | Number of People 60 Years and Over in Household | INT(2) | 0 = NIU |
| 1-97 |
| 99 = Not reported in 2018 End-to-End |
| 26 | **P65** | Number of People 65 Years and Over in Household | INT(2) | 0 = NIU |
| 1-97 |
| 99 = Not reported in 2018 End-to-End |
| 27 | **P75** | Number of People 75 Years and Over in Household | INT(2) | 0 = NIU |
| 1-97 |
| 99 = Not reported in 2018 End-to-End |

# Traceability Matrix

| **Spec ID** | **Solution Req ID** | **Solution Requirement text** | **Link/Location** |
| --- | --- | --- | --- |
| TBD |  |  |  |

# Contact Persons

| **Name** | **Topic** | **Contact Information**  **Email address** |
| --- | --- | --- |
| Colleen Keating | Microdata Detail File | 301-763-9483  colleen.hughes.keating@census.gov |
| C Peter Borsella | Microdata Detail File | 301-763-4966  c.peter.borsella@census.gov |
| Simson L. Garfinkel | Microdata Detail File Disclosure Avoidance | 301-763-5361  simson.l.garfinkel@census.gov |

# 11 Acronyms

| **Acronym** | **Meaning** |
| --- | --- |
| ACSO | American Community Survey Office |
| AIAN | American Indian or Alaska Native |
| CDAR | Center for Disclosure Avoidance Research |
| CEF | Census Edited File. CEF consists of the CUF, the tabulation geography table, and the tables of edited data. |
| CUF | Census Unedited File, consisting of tables that are an input to the CEF |
| DSEP | Decennial Stewardship Executive Policy |
| GQ | Group Quarters |
| IPT | Integrated Project Team |
| MDF | Microdata Detailed File |
| NHPI | Native Hawaiian or Other Pacific Islander |
| POP | Population Division |
| RPO | Response Processing Operation |
| TEA | Type of Enumeration Area |
| TSD | Technical Specification Document |
| SEHSD | Social, Economic, Housing and Statistics Division |
| SOR | Some Other Race or Ethnicity |

**-- END OF DOCUMENT --**